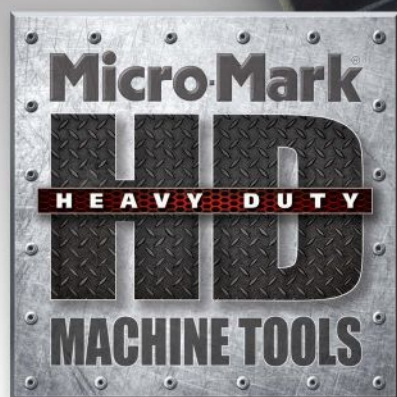


Micro-Mark®

THE SMALL TOOL SPECIALISTS



7x16
Lathe &
R8 Milling
Machine
See page 22



Order Toll Free: 1-800-225-1066
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Early Winter 2021 • Prices in this catalog valid Jan. 1, 2021 – Mar. 31, 2021.



#89633 Fujiya Reversible Jaw Adjustable Wrench and Pipe Wrench

Two tools in one compact design! Measuring just 8-1/2" in length, this clever tool allows you to put its hardened jaws to work in close and confined spaces where other wrenches can't fit. With a smooth jaw on one side and finely serrated, angled teeth on the other, this wrench easily handles all bolts sizes from 0 to 1-5/16" and pipe sizes from 5/32" to 1-3/4". The serrated jaw side will even help remove damaged, stripped hardware by grabbing screws and bolts by their heads. Heavy duty rubberized handle covering provides sure grip. List \$45.95 ... Our Price **\$35.95**



#89630 Fujiya Thin Jaw Adjustable Wrench

This is not your ordinary adjustable wrench! The thinnest of jaws allow you to access nuts and bolts in those otherwise impossible-to-access areas, like when two nuts are jammed together to prevent component slippage and a regular wrench is too wide to grab only one nut; or, when you find that the clearance provided to mount a caster wheel onto a chair is nowhere near enough for your regular adjustable wrench. Problems solved! This tool will save valuable time because you'll always have the right wrench for the job in-hand.

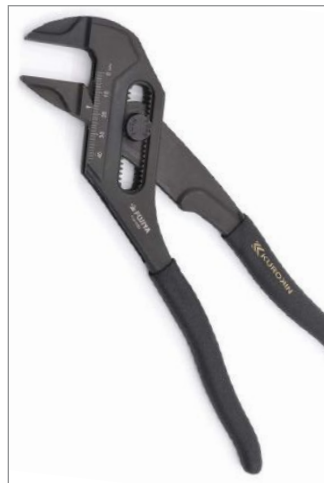
Jaws are just over 1/8" thick and open from 0 to 1-5/16" with a depth of 1-1/8". Handle is rubber coated for sure grip. Overall length: 6-5/8". List \$44.95 ... Our Price **\$35.95**



#89631 Fujiya 2-in-1 Adjustable Wrench with Quick Alligator Jaw

If you have multiple nuts and bolts to remove and install ... metric, standard and square head ... this is a must-have tool. Its quick multi-notched alligator jaw turns nut and bolt head sizes from 3/16" to 11/16" without damaging corners. Just grasp the head, latch onto the corners and go to work. This tool is great for holding one side of a bolt and nut combo while fastening, and it can also be used to grab the round shanks of most stripped slotted, Phillips or hex driven screws within its working range in order to remove them.

The adjustable wrench side securely fits screw sizes from 0 to 1-5/16" across the flats on bolts and nuts. A well-made tool for serious craftsmen and mechanics. 7-3/4" total length. List \$42.95 ... Our Price **\$33.95**



#89632 Fujiya Rapid Clutch Plier / Wrench Combo

With a simple push of the button in the center channel, the clutch mechanism of this Plier / Wrench Combo rapidly adjusts jaws from 0 to 1-5/8" to fit hardware size. Toothed grooves inside the slip joint allow the jaws to be adjusted to 18 different positions for the most secure fit. Unlike other adjustable-jaw tools on the market, this tool's adjustable jaw features a spring-like closing action which moves the jaw over 1/4" toward the fixed jaw in parallel, providing far more gripping strength than angled jaws as you close the handles. Smooth jaws are 5/16" wide x over 1" deep; overall tool length is 10-1/4". List \$69.95 ... Our Price **\$57.95**



Fujiya Electrician's and Mechanic's Pliers

Professional quality 8-1/2" long electrician's and mechanic's pliers by Fujiya are beautifully crafted and well-balanced in the hand. Angled channels guide stranded and solid core wire into super-sharp cutting edges that easily remove wire coatings from 10 to 22-gauge on one side and .3 to 5.5 mm on the other. 3" long serrated nose reaches into narrow openings to retrieve wires, and concave, serrated jaw tips are ideal for grasping bolt heads. Two integral screw cutters (M4 .125" and M3 .094") cut-off screws that are too long for the job, and two built-in crimpers put the finishing touch on wire connectors. Tools are designed for use with copper and tin-coated copper wires only. Choose handle style below.

#89634 Fujiya Electrician's Plier with Straight Handles. List \$44.95 ... Our Price **\$37.95**

#89635 Fujiya Electrician's Plier with Ergonomic Curved Handles. List \$44.95 ... Our Price **\$37.95**



Fujiya Heavy Duty Wire / Bolt Cutters

Typically, wire and bolt cutters are made of steel, are over-weight, and feel heavy in the hand. Fujiya solved this problem by using aluminum alloy in the handles of these well-designed tools, wrapping them in comfortable, nicely-formed resin hand grips, and topping them with finely-crafted, hardened steel cutting heads. Just shy of 8-1/2" in length, each Fujiya Wire / Bolt Cutter weighs only about 5 ounces, but packs the strength and toughness of much bigger and heavier counterparts. Cuts steel bolts and wire up to 4 mm (5/32"/.156") or equivalent to AWG 11, and piano wire up to 2 mm (5/64"/.078") or equivalent to AWG 14. Each includes adjustable stopper bolt and handle closure strap.

#89636 Fujiya Heavy Duty Wire / Bolt Cutter with Flat, Straight Jaws. \$29.95

#89637 Fujiya Heavy Duty Wire / Bolt Cutter with Curved, Angled Jaws. \$33.95



More Superior Quality Hand Tools from Fujiya of Japan

Our strong relationship with Fujiya has allowed us to offer a selection of top-quality tools you won't find anywhere else in the United States. Joining our selection of superior quality Fujiya tools are these exceptional items:

#88618 Fujiya Super-Long-Nose Straight Pliers with Cutter

Slim, pencil-thin, black powder treated tips are thin and long enough to reach almost anywhere. Blackened finish reduces glare. Tips reach 2"; 6" long overall. Includes internal soft wire cutter with smooth jaws and spring return. **\$19.95**

#88619 Fujiya Super-Long-Nose Angled-Tip Pliers with Cutter

same features as above, but with 3/4" tips angled at 45°. **\$19.95**

#88620 Fujiya Short-Handle Adjustable Wrench

This must-have tool packs full-size 1-1/8" jaw capacity into only 4-1/4" of space. Specially notched jaws prevent round-off and hold tight with 1-1/4" deep reach; rubberized handle coating provides sure grip. **\$19.95**

#88691 3-piece Fujiya Plier & Wrench Set

Includes all three of the tools above for one great price. **\$54.95**



#88692 5-piece Fujiya Hand Tool Set \$103.95

Set includes the two Fujiya Long-Nose Pliers and Short Handle Adjustable Wrench shown at left, plus:

#87609 Fujiya 13" Super-Sharp Sprue Cutter

slices through plastic sprues up to 3/16" diameter with virtually zero stress, leaving the cleanest parts we've ever seen. **AND #87626 Fujiya 25" Sprue Cutter** Originally designed for superior plastic sprue cutting, we have also found this amazing tool to be the best soft wire cutter on the market, making the quickest, cleanest cuts in common soft 30 gauge to 14 gauge wire (.010" to .064", or 1/16") with ease.



FormBox Large-Format Vacuum Forming Machine

Seeing Those Big Ideas Come To Life Never Seemed So Simple



The Mayku FormBox is a desktop vacuum former that brings your ideas to life. It works with any vacuum cleaner and a whole selection of different materials. Use it to make molds in minutes with no additional software or digital model manipulation needed.

As a perfect partner for your 3D printer, the Mayku FormBox offers you total power over the design and pace of production. Print one, mold 20 and start your production line from home. Experiment with materials to find the perfect design. It's your creation.

Features at a glance **Universal vacuum adapter** Connect the Mayku FormBox using the provided adapter that fits any standard vacuum cleaner. **Auto on/off** When the trays are pulled down, an automatic trigger will turn on the suction of your connected vacuum cleaner. **Timer** A timer is activated after the plastic has been inserted and the temperature set. The built-in speakers will alert you when the plastic is ready to be formed. **Heat control** A 200W ceramic heater with a range of 160C to 340C, and a dial to precisely set the correct temperature for your plastic to form.

Specifications Height: 12.4" / 315 mm • Length (with handles): 18.3" / 466 mm • Width: 10.7" / 274 mm • Forming bed: 7.8" x 7.8" / 200 mm x 200 mm • Draw Depth: 5.1" / 130 mm • Weight: 28.66 lbs. / 13 kg.

#88422 FormBox Vacuum Forming Machine

Super Buy \$699.00

Do It Yourself Vacuum Forming is an illustrated guide to small-scale vacuum forming you can do at home without special skills and little equipment. By Douglas E. Walsh. 129 pages.

#80868 \$15.95



Multipurpose Plastic Sheets

Use for fabricating model structures, airplane cowls, car bodies, dollhouse and miniature furniture "glass," windshields and other window glazing. Easily glued, they can also be vacuum formed to create specialized shapes.

Item #	Size	Thick	Material	Pcs./Pkg.	Price/Pkg.
85881	8.5" x 11"	.010"	Clear Vivak	6	\$18.95
85882	8.5" x 11"	.015"	Clear Vivak	6	\$20.95
85883	8.5" x 11"	.030"	Clear Vivak	6	\$20.95
81335	11" x 14"	.020"	White Styrene	6	\$23.95
80902	11" x 14"	.030"	White Styrene	3	\$23.95
80903	11" x 14"	.060"	White Styrene	3	\$29.95
83478	11" x 14"	.030"	Black Styrene	3	\$23.95
83479	11" x 14"	.060"	Black Styrene	3	\$23.95
81336	11" x 14"	.020"	Clear Vivak	6	\$35.95
80905	11" x 14"	.030"	Clear Polycarbonate	2	\$21.95
80906	11" x 14"	.060"	Clear Polycarbonate	2	\$27.95

STYRENE Multipurpose high-strength opaque plastic. Great for structure walls and roofs.

VIVAK Multipurpose high-strength clear plastic. Use for airplane canopies and other glazing.

POLYCARBONATE Unbreakable, high-temperature plastic.



#88040 Mini Angled Precision Shear

Ergonomically designed shear is a pleasure to use while slicing your way through all kinds of materials. Leaf spring action takes the work out of normal shears, which require reopening the handles manually to perform long line cutting. Super-sharp blades cut plastic, leather, rubber, wood veneers, paper, and thin sheet metal with minimal effort.

\$14.95

Forget Everything You've Ever Known about Cutting... the More Powerful Wondercutter S is Here!

See videos on YouTube



Micro-Mark has exclusive rights to distribute Wondercutter in North America. Companies interested in reselling Wondercutter, please contact us for details.

Note: faceplate color may vary.

Wondercutter uses the amazing power of ultrasonic technology to revolutionize cutting from this moment forward. Producing a mind-boggling 40,000 vibrations PER SECOND, Wondercutter breezes through an amazing array of materials with such ease you simply will not believe your eyes...in fact, the oscillations are so rapid, you literally can't see or feel it move! This innovative tool will not only replace practically every other knife in your shop, it will expand your capabilities, enhance your creativity and allow you to execute the most intricate cuts even in the most difficult materials with a level of precision, ease and accuracy that was never possible before. Model makers, prototype builders, industrial designers, crafters, leather workers, florists and DIYers of all kinds will find this ingenious, ground-breaking tool essential for cutting plastic, cardboard, balsa, fabrics, plywood, rubber, acrylic, MDF, leather, bonsai and more! Ergonomic handpiece is comfortable and easy to hold, even for people with hand problems. Best of all, the tool does all the work for you! Set includes base workstation with built-in lithium-ion battery pack, handpiece, charger cable, 40 extra blades and user's manual.

#88195 Wondercutter S **\$399.95**

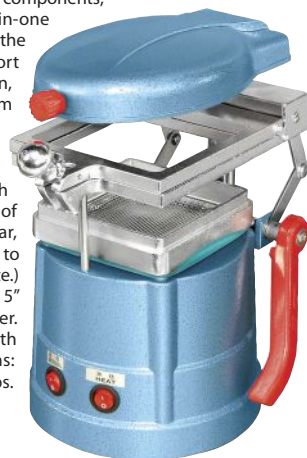
#88475 Blades for Wondercutter, package of 40 **\$6.95**

Compact All-In-One Vacuum Forming Machine



For making small, highly-detailed vacuum formed components, this desktop machine can't be beat. The all-in-one design includes an overhead heater for softening the plastic sheet, a clever lever-operated transport frame that lowers the plastic sheet over the pattern, and a base unit containing an extra-strong vacuum chamber to draw the plastic tightly over the pattern. Use it to make aircraft canopies, tire molds, rock and retaining wall molds, hopper car loads, coal piles, wall and roof panels and so much more. Industrial-quality machine is capable of making thousands of moldings. Works with clear, white, black, tinted or opaque plastic sheets up to .040" thick. (Note: Not for use with polycarbonate.) Sheet size: 5" square. Maximum pattern length: 5" when placed diagonally in the 4" square chamber. Includes steel beads that support patterns with irregular bottom surfaces. Overall dimensions: 8" wide x 10" deep x 12" high. Weight: 10-1/4 lbs. 4" long cord plugs into standard 120VAC outlet.

#85756 Compact Vacuum Forming Machine
List \$224.95... Our Price **\$124.95**



High-Power Rare Earth Super Magnets Have Dozens of Uses in a Wide Variety of Projects

With massive pull force of nearly 6.5 lbs. each, these small but powerful Super Magnets are sure to find their way into all sorts of projects where there is a need for a strong and durable – yet removable – closure, attachment point, holder, etc. Magnets are only 1/8" thick x 1/4" wide x 1/2" long and magnetized all the way through. Great for cosplay and prop-making applications! **Railroad modelers:** Repower, restore and improve performance of old motors by replacing original Alnico magnets with Super Magnets!

Ships by ground to 48 contiguous U.S. only.

#84991 Super Magnets (Package of 20) **\$19.95**



NEW!

Micro-Mark UNCUPLE LITE



Take our advice,
UncoupleLITE™
is the best new
tool for model
railroad hobbyists!

A Micro-Mark Exclusive!



Perfect
for use as a
go-anywhere precision
pinpoint flashlight, too!

Custom designed by our Product Development Team and manufactured exclusively for Micro-Mark, UncoupleLITE provides the easiest, most accurate way of uncoupling HO, N, On30 and O scale locomotives and cars at any location on your model railroad, even in total darkness. A click of the button sends a brilliant beam of cool LED light through the clear acrylic rod right to the tip of the tool, illuminating couplers with a clarity and focus no other tool can match for precision uncoupling action. To use, simply slide the tapered tip of the tool between the knuckles of the couplers and twist gently, smoothly separating the cars.

With a lighted tip length of 4" and less than 1/4" diameter at its thickest, UncoupleLITE is also extremely useful as a precision pinpoint flashlight, providing focused, non-glare illumination inside machinery and confined areas where no other light can go. Includes 4" x 1/2" stainless steel body with push-button on/off switch, removable 4" x 1/4" acrylic light rod, and key ring. Requires 1 AAA battery, not included.

#89536 UncoupleLITE™ \$19.95



Model, tools and
supplies not included.

**#86325 Soft Touch
Model Mat** Place this
mat on your work area
to prevent scratches,
paint abrasion, dings
and dents that can ruin
your project. Made from
closed-cell foam in just
the right texture and
stiffness to keep models
from sliding around
while you work. 12" x
18" x 3/8" thick. **\$14.95**



#89662 Trains® Magazine "Union Pacific's Big Boys" Hardcover Book is the complete story of the best-known and most-popular steam locomotives ever built, from their origins all the way through the much-anticipated restoration of No. 4014. This handsome edition, with a foreword by *Trains* editor Jim Wrinn, is the perfect reference book and collector's item! **\$43.95**



#89333 Professional 11-piece Marking and Measuring Set We built this set to give you the most useful selection of tools for the best value. Includes everything you need to start marking, measuring and gauging like a pro: 6" metric/standard ruler with a conversion chart on the back; 9" protractor with depth gauge; 6-1/2" bore/cylinder gauge; 48-leaf screw and pitch gauge with standard and metric markings; 2" screw-cutting profile gauge; 4" angle setting gauge; 4" machinist square; 5" aluminum handle with steel marking awl; 4" brass vernier caliper; 5" brass automatic center punch and 7" steel square legged divider; all packed in a sturdy, foam-lined wooden storage/transport case. Measuring tools are etched, stamped stainless steel. List \$61.95 ... Our Price **\$48.95**

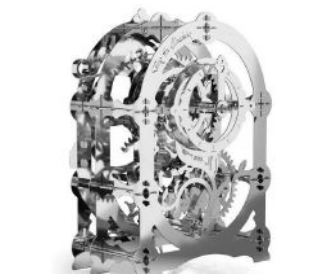
#89355 Nova Retractable Craft Knife

Pick up this unique tool and you'll feel the quality immediately. Unlike other precision craft knives, this unique design is retractable with perfect cutting angles at each stop including 45° and 60°. Only 5 mm thick, suitable for precise work for right- and left-handed users. Requires #89455 replacement blades. **\$12.95**

#89455 Nova No.11 Blades, 120 Pack Designed specifically for use with our #89355 Retractable Craft Knife and packaged in a money-saving 120 pack storage box. **\$17.95**



#89549 Metal Earth® Freight Train Set Metal Model Kit features amazing detail with parts cut from high quality 4" square steel sheets. Easy-to-follow instructions are included with each kit and NO GLUE OR SOLDER ARE REQUIRED! Simply snip out the pieces and bend the tabs through corresponding connection points. Includes locomotive, gondola, box car, hopper and caboose. Connected model length is 17". **\$34.95**



#89568 Time4Machine™ "Mysterious Timer 2" Metal Mechanical Model This amazing clockwork timer is not only beautiful, but also functional! The mechanism can be wound to measure up to an hour of time, after which an alarm will sound for you. You won't find a more fascinating and enigmatic model as this one anywhere else! **\$49.95**



#89460 OWIKIT VROOM STEM V8 Model Combustion Engine With a simple press of the power button, prepare to be amazed! The cooling fan spins, pistons fire up and down, light bulbs flick on and off. Runs on 3 AA batteries (not included). Includes a detailed instruction manual. Assembled dimensions: 11.02" x 7.48" x 7.28". **\$64.95**

#89254 Black Suede Shop Apron

Comfortable and velvety to the touch, yet tough and durable, our Black Suede Shop Apron will protect you and your clothes in comfort and style as you work. Above-the-knee length is just right for woodworkers, artists, crafters, machinists, metal casters, model makers and more, and its dual upper and lower pockets provide much-needed storage to keep tools readily at hand. Apron is nicely made and is straight-stitched all around; ties in the back. **\$32.95**



Explore the Art of Calligraphy



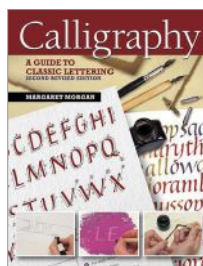
#89615 Feather Pen Writing Set, by Authentic Models

This beautiful set includes six assorted nibs and one bottle of sienna ink. Packaged in an attractive gift box. **Super Buy \$26.00**



#89616 Colorful Prose Inks, by Authentic Models

A collection of 12 ink bottles comprised of both subtle and brilliant colors. A perfect complement to item #89615 Feather Pen Set, above. **Super Buy \$52.00**



#89619 Calligraphy A Guide To Classic Lettering, by Margaret Morgan Learn the skills you need and get practical advice on pens, inks, papers, and methods to master letterforms. **\$17.95**



#89620 Super Simple Hand-Lettering Projects, by Kiley Bennett Learn to letter on fabric, wood, glass, and chalkboard, this is the ultimate source of inspiration for passionate hand letterers! **\$16.95**



#89621 Lettering For Absolute Beginners Workbook, by Danielle Stringer An absolute must-have guide for beginners. Learn in a simple, approachable, and fun way. **\$18.95**

NEW Diorama Display Bases



#89441 True Details® U.S. Flight Deck Section (WWII) Diorama Base, 1/48 Scale Very highly detailed, unpainted resin display base depicts a section of a WWII aircraft carrier flight deck complete with planking and tie down channels. Accommodates any 1/48 scale WWII Navy fighter aircraft model. Base measures 11" x 11". **\$22.95**
Paint, model and supplies not included.



#89442 True Details® Concrete Airfield "Tarmac" Section Diorama Base, 1/72 Scale Beautifully rendered, high-quality resin base depicts airfield tarmac. Base measures 9.5" x 9.5". **\$22.95**
Paint, model and supplies not included.



#89444 True Details® Rural Battlefield Section Diorama Base, 1/35 Scale Highly detailed, unpainted resin display base accommodates any armor model in 1/35 scale. Base depicts part of a dirt road with sloping side mound and molded-in debris (rocks, stones, branches, tank tracks, stumps, etc). Base measures 11" x 10". **\$32.95**
Paint, model and supplies not included.



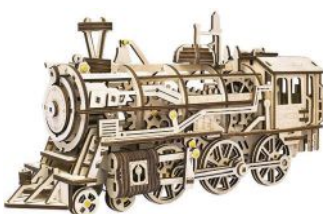
#89443 True Details® "Victory's Path" Diorama Base, 1/35 - 1/32 Scale Unpainted resin diorama base depicts a section of an old Roman paved road in a rural setting. Use for all time periods. Base measures 12" x 12". **\$32.95**
Paint and supplies not included.

Robotime Kinetic Wood Models Are Fun for All Ages!

No glue or batteries required to make them move!



#89490 Robotime Sound Control Robot, Wooden Kinetic T-Rex Model Kit This unique model moves and roars when you clap your hands! Precision laser cut wood model kit contains a total of 85 pieces that fit together perfectly to form a working T-Rex wooden robot. The interlocking mechanisms assemble without glue and no batteries are required to control the action. **\$39.95**



#89485 Robotime Self-Propelled Locomotive Kinetic Model Precision laser-cut wood parts fit together perfectly to build a working locomotive. The interlocking components assemble without glue and no batteries are required because spring tension provides all the power needed to make this fascinating model move. **\$59.95**

#89748 Marilyn Monroe Superb Scale Statue by Blitzway, 1/4 Scale Few stars have shown brighter through the ages than Marilyn Monroe, and this instantly recognizable image is an enduring icon from the Golden Age of Hollywood. From her gentle smile to the graceful flutter and flow of her skirt, the artists of Blitzway have perfectly recreated this amazing moment in 3D. Available for a limited time only, this striking 1/4 scale statue captures the exceptionally detailed likeness of Marilyn Monroe from the top of her bouncy blonde curls to the tips of her toes, her perfectly tailored and impeccably designed white dress, her dynamic posture and artistically rendered skin tone...all combined into a captivating collectible that is delightful from every angle. Includes a newly designed turntable diorama base. **\$474.95**



LIMITED TIME OFFER!



Wooden City® Kinetic Models

Fascinating laser-cut wood model kits require no glue or tools to build! Everything you need, including highly detailed instructions, is right in the box!



#88907 Royal Clock Wound with an adjustable plummet to ensure accuracy. Pendulum includes a hidden niche for coins. 126 pieces. **\$59.95**



#89209 Wooden Express Locomotive & Tender with Rails Starts with a special key. Wheels turn; moves forward and back. 384 pieces. **\$109.95**



#88910 Kinetic Picture Rotating patterns create delightful illusions. 185 pieces. **\$69.95**

#88908 4x4 Vehicle

Runs on rubber band power! Steerable wheels. 11" x 5.9" x 5.8"; 569 pieces. **\$94.95**



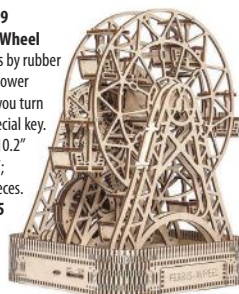
#89208 Railway Station

175 pieces. **\$59.95**



#88909 Ferris Wheel

Rotates by rubber band power when you turn the special key. 8.7" x 10.2" x 12.7"; 429 pieces. **\$99.95**

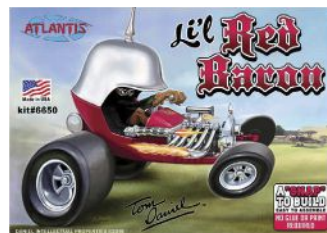


MicroMark Model Challenge

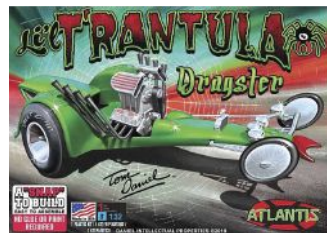
Build ANY Tom Daniel Model Kit and You Could Win Our \$1000 Grand Prize!



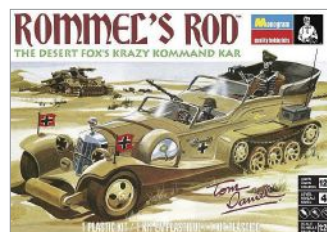
#89373 Atlantis® Tom Daniel King Chopper Trike Plastic model kit, 1/8 scale. **\$44.95**



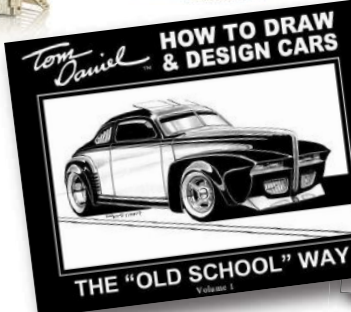
#88953 Atlantis® Tom Daniel Lil' Red Baron Plastic "snap" model kit, 1/32 scale. **\$21.95**



#88954 Atlantis® Tom Daniel Lil' Trantula Plastic "snap" model kit, 1/32 scale. **\$21.95**



#88480 Revell Monogram Tom Daniel Rommel's Rod Plastic model kit, 1/24 scale. **\$24.95**



#88951 How to Draw & Design Cars The "Old School" Way Vol. 1, Soft-Cover Book written and signed by Tom Daniel Whether you wish to learn from one of the Great Masters or you just can't get enough of his iconic automotive art, this impressive book is both an exceptional reference guide and a unique collectible every hot rod enthusiast simply must have! Not only will you gain invaluable insight and step-by-step instruction on drawing and designing hot rods, customs, trucks, dragsters, futuristic vehicles and classics, **each book is autographed by hand by Tom Daniel himself!** Printed on a heavy stock and spiral bound in order to lay flat as you go through each informative lesson, this large format 11" x 8-1/2" soft cover book puts over 110 pages of black and white illustrations, tips and techniques at your fingertips. Follow along and see your skills improve before your eyes as you learn to use the tools of the trade, discover the secrets of shading and rendering chrome, develop your own design concepts, explore perspective drawing, and much more. **\$29.95**

See any Tom Daniel model kit on our website for full contest rules and details.





Micro-Mark® Premier Elite Micro Chisel and Gouge Sets – Ultimate Carving Tools for the Discerning Craftsperson

For years, Micro-Mark customers have been asking us for an expansion line to our super-popular 7-Piece Stainless Steel Chisel Set. After much work to develop an exclusive selection, we are proud to introduce The Premier Elite Line of Chisels and Gouges by Micro-Mark. Over a 2-year period, we designed and tested a wide variety of materials, shapes and designs to provide our customers with the best micro hand-chiseling tools on the market in terms of quality, durability and utility. We then secured a manufacturer with decades of experience, capable of meeting or exceeding our requirements for consistently high workmanship. We are pleased to say that we have not been disappointed, and neither will you!

Expertly crafted from premium Japanese and French stainless steels and combined with titanium, each top-quality chisel and gouge is hand-honed to perfection. Their unique handle design employs a joined deep diamond knurling with lateral channels that provide a positive gripping area for precise control. Unless otherwise noted, each tool is 6-1/2" long with 3/8" diameter handle. Premier Elite chisels feature an extremely low profile of approximately .25". These exceptional and handsome tool sets will provide the precision and long-life that enthusiasts demand and deserve.

Introducing our NEW Premier Elite U Gouge and Dogleg V Gouge Sets

Complementing and expanding our line of Premier Elite tools are these new U and V Gouge sets. Both sets are ideal for adding detail, texturing, creating soft curves and delicate undercuts in your projects. These beautifully made gouges are hand-honed on the top and bottom of the cutting edge to provide the very sharpest cuts.

#88704 Premier Elite 7-Piece U Gouge Set

This set is equivalent to a #8 design, as we consider the #8 to be one of most useful U Gouge styles. U Gouge widths included are approximately: 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 7 mm and 7.5 mm. Each tool is 5-3/4" long. List \$99.95 ... Our Price **\$89.95**

#88707 Premier Elite 5-Piece Dogleg V Gouge Set

Also known as parting tools, these Dogleg V Gouges include the following approximate widths: 2.5 mm, 3 mm, 4 mm, 4.5 mm and 5.5 mm. Each tool is 6-5/8" long. List \$99.95 ... Our Price **\$89.95**

#88704

#88707

#88702 Premier Elite 10-Piece Straight Tip Micro Chisel Set

in widths separated by approximately .5 mm in the following sizes: 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5 and 5.0 mm. List \$149.95 Our Price **\$129.95**

#88701 Premier Elite 10-Piece Skew Tip Micro Chisel Set

in widths separated by approximately .5 mm in the following sizes: 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5 and 5.0 mm. List \$149.95 Our Price **\$129.95**

#88705 Premier Elite 3-Piece Specialty Blade Chisel Set

features the most sought-after angles and shapes for working in places where standard chisels cannot go. Includes "sheep's foot" straight-angled side chisel, needle point angled chisel and concave curved chisel for side removal and pull removal in carvings. List \$39.95 Our Price **\$34.95**



#88703 Premier Elite 10-Piece Left and Right Radius Chisel Set with widths separated by approximately 1 mm in the following sizes for both left and right removal: 1, 2, 3, 4 and 5 mm. The range provided allows easy carving of slow and tight-area curved forms on flat surfaces **and**, since the working angle is from the side, it enables you to carve raised (convex) and recessed (concave) sloped sections as well, such as carving ears in a figure, for example. These shapes cannot be carved with straight or skewed chisels since the direction of removal is forward only. List \$155.95 ... Our Price **\$122.95**



#88706 Premier Elite 5-Piece Dogleg Chisel Set in widths of 1, 2, 3, 4 and 5 mm provide a higher angle of stock removal, allowing deeper, quicker carving than standard straight chisels. The location of the bevel is ideal for finishing flat recesses and backgrounds on a relief carving where clearance is limited. List \$84.45 ... Our Price **\$69.95**



Titanium-Plated Super-Fine Tweezer Set

With the luster and durability of titanium, these super-fine-tipped, non-serrated forceps/tweezers have perfectly mating halves for ultimate precision. Set includes: 2 Rose Gold Titanium Forceps, each with 3 pairs of stamped holes in the handle for reduced weight and non-slip grip. Raised 1/4" flat shoulders inside the tip halves provide extra gripping power. Rose Gold Forceps are 3-1/2" and 4-1/4" long. 2 Dynamic Blue Titanium Forceps, one featuring a super-fine, shouldered and angled tip, weight-reducing oblong cut-out, and grooved gripping area; the other is a Boley-style, featuring a long nose and super-fine, non-shouldered, pointed tip. Dynamic Blue Forceps are 3-5/8" and 4-3/4" long overall.

#88591 4-Piece Titanium-Plated Tweezer Set \$82.95



#88578 Curved Watchmaker's Tweezer
Titanium plated for luster and durability. Smooth points. 4-5/8" long. Bend lets you rest your hand on a workbench while using. **\$12.95**



#88590 Pearl Tweezer
Spherical indentations in the tips of our Pearl Tweezer securely grip round or irregularly contoured objects so you can easily place them in the exact position you need. Titanium plated for luster and durability. Approx. 4-1/2" long. **\$19.95**



#89589 Titanium "B&W" Micro Squeeze Scissor Set With origins traced back to the brilliant work of ophthalmologists Jose Ignacio Barraquer and Louis de Wecker ("B&W"), these uniquely-designed scissors provide the most delicate, precise control imaginable, even in awkward positions. Fingertip squeezing action actuates the ultra-sharp, super-hard, 60° angled offset blades for the finest cuts you've ever seen. Made of Japanese surgical stainless steel combined with our special titanium plating process, these professional-quality, long-lasting scissors will be your go-to choice for precision cutting from the moment you try them. The "B" style scissor is 2-1/2" long; the "W" style is 4-3/8" long; cutting tips of both are 3/8" long. **\$42.95**



#88581 Slide Lock Soldering Tweezer
Titanium plated for luster and durability. Medium sharp points. 4-3/4" long. **\$14.95**



#88577 Swiss Style Watchmaker's Tweezer
Titanium plated for luster and durability. Fine, smooth points. 4-5/8" long. **\$12.95**



#88579 Boley Style GG Tweezer
Titanium plated for luster and durability. Hollow, very light spring tension. Smooth points. 4-3/4" long. **\$12.95**



#88582 Cross Locking, Self-Closing Tweezer
Titanium plated for luster and durability. Serrated points. 6-1/2" long. **\$19.95**



#88585 Micro Tweezer, Straight Tips
Titanium plated for luster and durability. Fine serrated points. Approx. 4" long. **\$12.95**



#88586 Micro Tweezer, 45° Curved Tips
Titanium plated for luster and durability. Fine serrated points. Approx. 4" long. **\$13.95**



#88587 Micro Tweezer, 90° Curved Tips
Titanium plated for luster and durability. Fine serrated points. Approx. 4" long. **\$13.95**



#88588 Flat / Smooth Decal Tweezer
Titanium plated for luster and durability. For perfect decal placement. 4-1/2" long. **\$12.95**



#88589 Giant Long-Reach Tweezer
Titanium plated for luster and durability. Serrated, rounded tips. 12" long. **\$22.95**



Surgical Hemostats, Titanium Plated
Originally made for surgeons, hemostats are now used extensively by makers. Use these small, light duty hemostats as a super slim needle nose plier, clamp, heat sink, vice, etc. Quality box joint construction. Titanium plated for luster and durability. Approx. 5" long. Choose tip style below:

#88583 Surgical Hemostat, Straight Tip **\$14.95**



#88584 Surgical Hemostat, Curved Tip **\$15.95**



#88580 Double Bend Dental Tweezer
Titanium plated for luster and durability. Fine serrated points. 6" long. **\$14.95**

**Keep an Eye on
Our Website for More
Exclusive Titanium Tools!**

A Micro-Mark Exclusive!



The MicroLux® Tilt Arbor Table Saw is more powerful, more accurate, and smoother running than any other saw its size. And it's the world's first variable speed table saw...so it will cut metal and plastic, as well as wood. This is, without a doubt, the most feature-packed machine ever designed for the precision craftsman:

- High torque, electronically rectified 3,600 to 7,000 rpm variable speed DC motor produces more torque and power than many 1/2 hp motors... and torque remains high, even at low rpm; cuts plastic, aluminum, brass and non-ferrous metals without overheating
- Ball bearing spindle and no-slip timing belt for more torque
- Blade height adjusts from 0" to 1" and cuts a full 1" at 90°, 3/4" at 45°; tilting arbor for angle cuts up to 45°
- 11-1/2" x 9-1/2" table with 9-1/2" x 9-1/2" machined aluminum surface and two miter gauge slots
- Up-front controls for on/off, speed, blade height and tilt; includes vacuum cleaner attachment for dust control and table extension for cross-cutting long sheet stock
- Compact size - only 10" long x 11-1/2" wide x 7" high; weighs approximately 11 lbs.

#80463 MicroLux® Tilt Arbor Table Saw includes self-aligning rip fence, calibrated miter gauge, blade guard and 80 tooth fine cut blade for balsa and basswood up to 1" thick; hardwood up to 1/4" thick (for hardwood up to 1", use #86326 Carbide Blade). Uses 3-1/4" blades with 10 mm hole. Plugs into a standard 120VAC outlet. This high-quality saw is made in Japan and backed by a 1 year warranty. List \$537.95 ... Our Price **\$349.95**

#81387 Easy-Mount Bench Bracket for Table Saw (mounts to tables up to 2" thick). **\$39.95**



What have YOU made with the Tilt Arbor Table Saw? Share your projects on our Facebook page!



More precise and powerful than any other table saw its size!

MicroLux® Tilt Arbor Table Saw Super Value Package

Take our best-selling saw, add some of our most popular accessories for it, and what do you get?

A versatile mini woodworking and metal-cutting workstation like no other.

Package includes:

- #80463 MicroLux® Tilt Arbor Table Saw
- #80898 Featherboard and Fence Set
- #86326 40 Tooth Carbide Blade
- #82593 Ferrous Cut-Off Disk
- #70224 Ripping Gauge Set
- #84904 Blank Blade Plates
- #60299 Angle Setter/Protractor
- #80605 Taper Jig

#87727

MicroLux® Tilt Arbor Saw Super Value Package. Value \$529.60

Super Buy \$399.95*

#87727K MicroLux® Tilt Arbor Saw Accessory Value Package. Includes 7 accessories from #87727, minus the saw, for one great price. Value \$189.65 **Super Buy \$119.95**



\$10
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES

#87727

MicroLux® Tilt Arbor Table Saw Accessories



Saw Blades and Accessories

3-1/4" dia. with 10 mm hole unless otherwise noted

#80464 80 Tooth Standard Blade, .070" kerf. For softwood up to 1" and hardwood up to 1/4" thick. **\$29.95**

#80465 24 Tooth Carbide Tip Blade, .070" kerf. For super-smooth cuts in all softwood, plywood and hardwood up to 1" thick, plastic over 1/16" thick, plus thin soft brass and aluminum. **\$49.95**

#86326 40 Tooth Carbide Tip Blade, .070" kerf. For superior ultra-smooth cuts (including rip cuts) in all softwood, plywood and hardwood up to 1" thick and plastic over 1/16" thick (not recommended for cutting metal). **\$49.95**

#81524 Premium Quality Diamond Blade for tile, stone, etc. .040" kerf. **\$69.95**

#88640 MicroLux® Tilt Arbor Table Saw Blade Super Value Package includes all 10 blades and adapter above for one unbeatable price. Value \$332.00 **Super Buy \$299.95**

#82593 Aluminum oxide disk for ferrous materials like steel and cast iron. **\$12.95**

#82594 Silicon carbide disk for non-ferrous materials like brass, aluminum, copper, bronze, zinc, white metal, etc. **\$12.95**

High Speed Steel Slitting Saws. 3" dia., 1/2" hole. Must be used with adapter #83515, sold below. For slitting and slotting thin wood and plywood; cross-cutting brass tubing and soft brass sheet under 1/16" thick; cross cutting delicate wood and plastic structural shapes. **\$25.95 each**

#80466 168 teeth, .045" kerf

#80803 168 teeth, .032" kerf

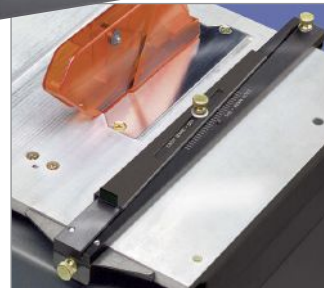
#80804 230 teeth, .025" kerf

#80805 230 teeth, .020" kerf

#83515 Adapter for blades 80466 – 80805. Reduces 1/2" blade hole to fit 10 mm shaft on MicroLux® Table Saw. **\$7.95**



#87355 MicroLux® Dado Cutting System Specially designed washers mount behind the blade to create a controlled "wobble" which allows the blade to cut perfect 1/16", 3/32", 1/8" and 3/16" dado slots every time. Includes 4 color-coded dado washers, 80-tooth saw blade and a special blade guard. **\$44.95**



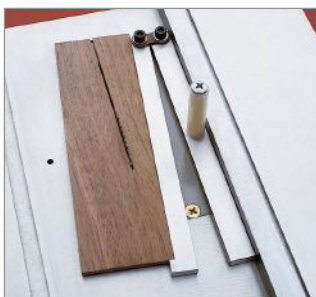
#80467 The Accuriser II Rip stock to precise tolerances with this vernier adjustable rip fence. Self-aligning T-square design includes positive lock that holds it perfectly parallel to the blade. The sliding face of the fence adjusts in .005" increments so your cuts will be more accurate than you ever thought possible. Order today and experience the difference precise cuts can make. List \$93.95 ... Our Price **\$69.95**



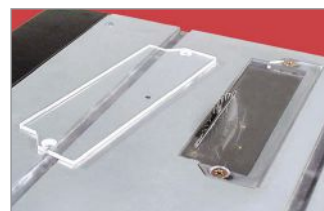
#80898 Featherboard & Fence Set The support provided by a high fence allows you to make cuts that are safer, easier and more accurate. A high fence also allows you to mount jigs and other attachments. Set includes 2" high x 10" long extruded aluminum Rip Fence; Vertical Featherboard to help prevent kick-back; Horizontal Featherboard with flexible fingers holds stock tight against rip fence. **\$39.95**



#80468 Sliding Table Guides on the bottom of the table slide in the grooves of the saw for precise cross cuts. The wide fence gives your work more support for 90° cuts. The triangles we supply give you perfect 30°, 45° and 60° cuts without resetting the miter gauge each time you change the angle of cut. Recommended for cuts in material up to 1/2" thick. Table is 10" x 12". Fence is 1-1/2" high. **\$29.95**



#80605 Taper Jig Beautifully machined tool is used for making a wood or plastic part with an angled cut on its long dimension. Adjusts easily to any taper. Made of machined aluminum and steel with a nylon handle. 6" long. **\$29.95**



#84904 Blank Blade Plates The MicroLux® Tilt Arbor Saw has a gap alongside the blade which permits the blade to be tilted, but also allows thin strips of wood to fall through the table. To eliminate the gap, install the blank plate and raise the blade to cut a new slot. Now, thin strips of wood will stay above the table. For MicroLux® Tilt Arbor Saws with 5-3/8" long blade plates only. Set of 4 blank blade plates. **\$24.95**

#70224 Ripping Gauge Set (not shown) helps rip stock into strips quickly and accurately to within .003". Set includes 1/16", 3/32", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8" and 1/2" gauges. For other widths, use 2 or more gauges in combination. All gauges approx. 4" long. **\$11.95**



NEW!



Introducing the Micro-Mark HD Tool Case

A Micro-Mark Exclusive!

Our Mini Tilt Arbor Table Saw is renowned for its precision, capability, power and reliability. And now, with the custom-fit Micro-Mark HD Tool Case, you can add true go-anywhere portability to that impressive list of attributes. From your workbench to the jobsite and back again, the Micro-Mark HD Tool Case assures that your saw gets there easily and safely in style. Because the best deserves the best, we designed the Micro-Mark HD Tool Case from the ground up, selecting only the toughest, premium-quality materials and assembling them with a fit and finish typically reserved for high-end luggage. Features include a water-, scuff- and tear-resistant heavy-gauge woven nylon outer cover with dual zipper closure, thick padded top with impact-resistant inner core, 3/16" rigid, high-impact plastic interior shell with full wrap-around, high-density foam lining.

Additional clever interior features include two large 6" x 5-1/2" x 2" deep storage pockets with hook-and-loop closures for safely and securely holding extra blades, gauges, tape measures and more, plus a 3" x 4" x 2" deep open-top pocket and hook-and-loop strap for holding rulers, fences and other long accessories. Built-in carry handle and adjustable-length, over-the-shoulder strap with thick shoulder pad and metal swivel connectors attaching to metal D-rings round out this beautifully-made case. Interior dimensions are 12-1/4" x 11-1/2" x 8-1/2"; exterior dimensions are 13" x 12-1/4" x 9". While designed as an exact-fit for the Tilt Arbor Table Saw, the Micro-Mark HD Tool Case can be used to transport and protect many other tools as well.

#89348 Micro-Mark HD Tool Case. \$59.95

Micro-Make™ Super Value Packages are an economical way to expand your workshop or get involved in a new hobby.

Our Super Value Packages are designed to take the guesswork out of building your ultimate workshop by offering you the best tools and the perfect complement of accessories to give you the most "bang for your buck" and get you up and running right out of the box. Plus, you'll save money, because all of our Super Value Packages feature significantly discounted pricing compared to purchasing the components separately. It's a win/win!



8 x 12 Woodturner's Lathe Super Value Package

Endless hours of woodturning enjoyment await you!

Package includes: #86892 MicroLux® 8 x 12 Woodturner's Lathe • #86911 8-piece Mini Wood Turning Tool Set • #86916 3-Pocket Suede Leather Carver's Apron • #87138 Woodworker's Guide To Turning by Back To Basics.

#87896 MicroLux® 8 x 12 Woodturner's Lathe Super Value Package
Value \$287.84

Super Buy \$269.95*
#87896K Woodturner's Lathe Accessory Value Package includes the turning tool set, apron and guide book from the set above, without the lathe.
Value \$157.89 **Super Buy \$144.95**

\$21
ADDITIONAL
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ANYWHERE IN
LOWER 48 STATES

Ultimate Airbrush Outfit Super Value Package



Getting started with airbrushing has never been easier!

\$10
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES

Package includes: #86112 MicroLux® Airbrush Set • #86104 Fold-Up Spray Booth • #86108 MicroLux® Portable Compressor • #80975 Cordless Paint Mixer • #86113 Regulator • #86117 Paint Jars • #29037 Acrylic Paint Set.

#86790 Micro-Make™ Ultimate Airbrush Outfit Super Value Package. Value \$363.65 **Super Buy \$249.95***



Proxxon Heavy Duty Miter/Chop Saw Super Value Package

High power and high precision make this saw a winner.

Package includes: #83418 Proxxon Heavy Duty Miter/Chop Saw • #80464 80 Tooth Standard Blade • #86326 40 Tooth Carbide Blade • #82593 Ferrous Cut-Off Disk • #82594 Non-Ferrous Cut-Off Disk.

#87897 Proxxon Heavy Duty Miter/Chop Saw Super Value Package

Value \$345.75 **Super Buy \$319.95***

#87897K Proxxon Heavy Duty Miter/Chop Saw Accessory Value Package includes the 2 saw blades and 2 cut-off wheels from the set above, without the saw.

Value \$85.80 **Super Buy \$59.95**

\$16
ADDITIONAL
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LOWER 48 STATES



Wire Jewelry Starter Set Super Value Package

Making wire jewelry is fun and easy with this all-inclusive set.

Package includes: #86486 Micro Crimping Plier • #85135 Wire Shaping Jig • #86487 Micro Plier Set • #86705 Double Flush Cutter • #86729 Cup Burr Tool • #86730 Nylon Jaw Pliers • #86731 20 Gauge Brass Wire, 15 yards • #86732 Wire Straightener • #86733 One-Step Wire Looping Tool • #86700 Jewelry with Wire book by Suzanne McNeill.

#86734 Wire Jewelry Starter Set Super Value Package

Value \$187.70 **Super Buy \$149.95**



Resistance Soldering Super Value Package

You'll never go back to regular soldering again!

Package includes: #85522 MicroLux® Resistance Soldering Unit • #86589 MicroLux® Soldering Tweezer • #80822 Stay Brite Silver Solder and Flux • #85151 Soldering Tweezer with Stand • #60381 Soldering Iron Stand • #70219 6" x 6" Soldering Pad • #14318 50 T-Pins • Metal Assortment.

#87726 Resistance Soldering Set Super Value Package

Value \$275.14 **Super Buy \$199.95****

#87726K Resistance Soldering Accessory Value Package includes everything in the set above except the R.S.U. Value \$105.19 **Super Buy \$84.95**



Sta-Wet Handy Palette Super Value Package

NEW!

A painter's package that keeps paint fresh and ready to use.

Package includes:

#81415 Rinse Well • #85941 Sta-New Brush Holder • #89655 Sta-Wet Handy Palette • #89657 Sta-Wet Sponge, 3 Pack • **BONUS!** Includes #89656 30-pack of Sta-Wet replacement acrylic sheets, a \$9.95 Value!

#89655K Sta-Wet Handy Palette Super Value Package

List \$80.75 **Super Buy \$64.95**



Wood Ship Modeler's Super Value Package

The right set of tools to build wood ship models like a pro.

Package includes:

#60378 5-piece Rigging Tool Set • #26104 20-Piece Micro-Size Drill Bit Set With Index, #61 – #80 • #60348 Micro Hand Drill • #84048 Sand-It • #15215 Dobson Miter-Rite • #85282 Pin Insertion Plier • #84419 Pin Collar Set • #14318 50 T-Pins • #60357 Ear Polypus, 5-1/2" • #84737 Tight Spot Scissor, 8".

#87891 Wood Ship Modeler's Super Value Package

Value \$221.50 **Super Buy \$149.95**



Inkjet Decal-Making Super Value Package

Everything you need to make your own custom decals.

Package includes: #82272 Decal Paper for Inkjet Printers (5 Sheets) • #85817 Glossy Lacquer Fixative Spray (3 oz) • #81204 Squeezers Decal Scissors • #85821 Sponge Applicators • 60907 Flat/Smooth Decal Tweezers • #88676 Decal Finishing System • #81742 Palette • #60416 Golden Eagle Paint Brush (#4, Flat).

#86791 Inkjet Decal-Making Super Value Package

Value \$78.85 **Super Buy \$59.95****

MicroLux® Multi-Saw Super Value Package



Perfect for hobbyists, jewelers, crafters and DIYers, Multi-Saw is a power coping saw and scroll saw all in one!
Package includes: #87776 MicroLux® Variable Speed Multi-Saw • #81387 Easy-Mount Bench Bracket • #87607 "Big Book Of Scroll Saw Woodworking" • Plus 30 premium saw blades: 10 each #80856, #80857 and #87937.
#87947 MicroLux® Multi-Saw Super Value Package
 Value \$249.70 **Super Buy \$209.95**
#87947K MicroLux® Multi-Saw Accessory Value Package includes the bracket, book and blades only. Value \$109.75 **Super Buy \$79.95**



The thinnest rotary tool available in this power range.
Package includes: #86698 MicroLux® MINI Rotary Tool • #15238 3-Jaw Keyless Chuck • #86340 265-piece Accessory Set • #86676 10-piece Carbide Drill Bit Inch Set.
#87895 MicroLux® MINI Rotary Tool Super Value Package
 Value \$166.80 **Super Buy \$144.95**
#87895K MicroLux® MINI Rotary Tool Accessory Value Package includes the chuck, 265-piece accessory set and drill bits from the set above, minus the rotary tool. Value \$101.85 **Super Buy \$89.95**

MicroLux® MICRO Rotary Tool Super Value Package



Step up to the most ergonomic rotary tool in the world.
Package includes: #86694 MicroLux® MICRO Rotary Tool • #86675 10-piece Metric High-Speed Steel Drill Bit Set • #60475 Micro Cutters, set of 4 • #87505 6-piece Grinding Wheel Set • #84447 Diamond Bits, set of 2.
#87894 MicroLux® MICRO Rotary Tool Super Value Package
 Value \$94.75 **Super Buy \$79.95**
#87894K MicroLux® MICRO Rotary Tool Accessory Value Package includes all the bits, wheels and cutters from the set above, minus the rotary tool. Value \$48.80 **Super Buy \$34.95**

Mega Mini R8 Milling Machine Super Value Package

Everything you need to start your own mini machine shop

Package includes: #84630 MicroLux® High Precision Heavy Duty R8 Miniature Milling Machine with 1/2" drill chuck and drawbar, table locks, column lock and drill stop, power supply with feedback-sensing power boost circuitry, V-way chip guards, chuck/collet chip guard, indicator scales for the X and Z directions, fine-adjust knob for the Z direction, safety cut-off switch, wrench set and instruction manual/parts diagram.

#84692 Digital Speed Readout with magnetic base plugs into control panel; displays spindle speed in RPM.

#87348 Super Duty Power Feed controls table speed from 0 to 20" per minute in both directions to automatically power off motor at end of run.

#84700 ER Collet Set includes 3/64, 3/32, 1/8, 3/16, 7/32, 1/4, 5/16, 11/32, 3/8, 13/32, 7/16, 1/2, 17/32, 9/16 and 5/8 inch collets, plus wood case.

#82576 8-piece End Mill Set (Single End) includes eight center cut, 2-flute end mills: 1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 9/16 and 5/8 inch.

#82577 Quick-Lock Milling Vise bolts directly to top of milling table. Jaws are 4" wide x 7/8" deep and open 3-1/8". Overall height 2-5/8".

#89255 Mega Mini R8 Milling Machine Super Value Package

Value \$1,859.70 **Super Buy \$1,699.95**

#89255K Mega Mini R8 Milling Machine Accessory Value Package

If you already own the Mini R8 Milling Machine, you can still get all the accessories above for one great price! Value \$859.75 **Super Buy \$699.95**

MicroLux® Powered Chisel Super Value Package



Create amazing carvings in a fraction of the time it would take to carve by hand.
Package includes: #86720 MicroLux® Powered Chisel • #86721 5-piece Carving Blade Set • #86727 Chisel Sharpening Stone.
#87893 MicroLux® Powered Chisel Super Value Package
 Value \$188.85 **Super Buy \$169.95**
#87893K Powered Chisel Accessory Value Package includes the carving blade set and sharpening stone from the set above, without the powered chisel. Value \$58.90 **Super Buy \$49.95**

Micro-Make™ Sanding Tool Super Value Package



#87340T Micro-Make™ Sanding Tool Super Value Package
WITH Transformer Value \$339.80 **Super Buy \$269.95**

#87340 Micro-Make™ Sanding Tool Super Value Package
WITHOUT Transformer* Value \$279.85 **Super Buy \$244.95**



2 spray booths connect together to paint models up to 31" long, then fold-up to save space.
Package includes: TWO EACH #86104 Fold-Up Spray Booths • #86105 Spray Booth Exhaust Ducts with Window Vent • #86106 Spray Booth Filters (10 total).
#87898 Fold-Up Spray Booth Super Value Package
 Value \$293.80 **Super Buy \$269.45**
 Used individually, each spray booth is 16" wide x 13" high x 15" deep; 16" wide x 8" high x 6" deep when folded.

Micro-Make™ Mini Shop Super Value Package



#88067T Micro-Make™ Mini Shop Super Value Package
WITH Transformer Value \$304.80 **Super Buy \$254.95**

#88067 Micro-Make™ Mini Shop Super Value Package
WITHOUT Transformer* Value \$244.85 **Super Buy \$204.95**

See additional Super Value Packages throughout the catalog and at www.micromark.com

Micro-Make™

MINIATURE POWER TOOL LINE

These versatile German-made hobby tools easily fit in the palm of your hand, but don't let their small size fool you. They're dependable and powerful enough even for the most demanding hobby projects.

A Micro-Mark Exclusive!

Micro-Make™ Digital Transformer

This latest evolution 15 amp maximum output transformer not only contains special feedback circuitry that automatically boosts the power to the tool when it is under load so that the speed remains constant, it now offers separate controls for speed and torque. Switchable LED display shows the exact setting for each control for ultimate precision. Compact unit includes 2 power output sockets and built-in cooling fan for longer run-time. Plugs into standard 110VAC household outlet.

#87365 Micro-Make™ Digital Transformer. List \$115.95 Price **\$64.95**

See our website for videos of these items in action

Please note: The #87365 Transformer is REQUIRED for ALL Micro-Make™ Power Tools. The tools will not operate without it.

Micro-Make™ Palm-Size Belt Sander

Performs those tough sanding jobs with ease. Fabric-backed belt rides on nylon rollers mounted in ball bearings. Pressure pad is impregnated with graphite to prevent friction and heat build up. Has 1" wide belt and 7/8" dia. rollers. Includes one 120 grit belt and Allen wrench.

#15229 Palm-size Belt Sander **\$99.95**

Palm-Size Belt Sander Accessories

Sanding Belts – \$7.95 each

#15239 80 grit #15240 120 grit

#60528 Benchtop Belt Sander Holder secures the tool on its side so you can use the tool hands-free. **\$14.95**

Micro-Make™ High Torque 1/4" Drill

Generates 3 times the torque of previous models which, combined with its extra-low-speed capability, lets you drill perfect holes in steel, brass and other metals without overheating bits...and plastic won't melt, because there's virtually no friction heat build-up. Speed: 140 to 1,500 rpm; motor output: 110 watt peak; stall torque: 23 in.-oz. Includes 3-jaw keyless chuck with 1/64" to 1/4" capacity and on/off trigger switch.

#82822 High Torque 1/4" Drill **\$79.95**

Micro-Make™ Gourd / Cross Saw

Our Cross Saw easily cuts through irregular, non-flat objects, including gourds. The saw's small, rounded shoe permits high maneuverability on both smooth and bumpy surfaces and keeps the cutting line visible for increased accuracy. Max. cutting thickness: 9/32". Includes Allen wrench and 10 blades for soft woods and other craft items.

#82088 Gourd / Cross Saw. List \$89.95 Our Price **\$79.95**

Gourd / Cross Saw Accessories

#84563 Coarse Saw Blades (10) **\$8.95**

#15244 Fine Saw Blades (10) **\$8.95**

#15252 Diamond Grinding Blade for micro filing and grinding most materials **\$17.95**

Micro-Make™ Powered Sander / Filer

Weighing in at a mere 6 oz, this ergonomic detail tool features a 360° pivoting head and rapid 5 mm (3/16") sanding/filing action. Includes 6 different heads that snap onto the ball-joint mandrel at the end of the tool: 7/16" and 11/16" circular, 3/4" and 1/2" triangular, 5/8" square and 3/16" x 1" rectangular, plus 2 sheets of 120 grit sandpaper you trim to size for each sanding head. The tool also accepts smooth file shanks up to 1/8" diameter to a depth of 1-1/2".

#86844 Powered Sander / Filer **\$79.95**

Powered Sander / Filer Accessories

#86845 Extra Sanding Heads and Sandpaper **\$14.95**

#87190 12-piece Micro File Set **\$16.95**

Micro-Make™ Orbital Sander

Orbital Sander oscillates in a circular pattern, giving you smooth, scratch-free finishes. Use whenever you need a small, compact sanding tool. Now includes our new Hook-and-Loop Sandpaper System, with 2 sheets of loop-backed sandpaper and one PSA-backed hook sheet to be applied to the tool's sanding pad.

#15225 Orbital Sander **\$74.95**

Orbital Sander Accessories

#88199 Hook-And-Loop Sandpaper, 10 sheets; 3 each 80 and 120 grit, 4 sheets 180 grit; aluminum oxide **\$8.45**

#15248 Extra Sander Pad lets you keep different grits mounted and ready to use **\$6.95**

Micro-Make™ Jig Saw / Scroll Saw

Cuts intricate patterns and model parts in softwood, hardwood, plastic, fiberglass, thin plywood and non-ferrous metal. Max. cutting thickness: 9/32"; speed: 1,800 to 6,900 rpm. Includes Allen wrench and 10 saw blades for wood.

#15226 Jig Saw / Scroll Saw **\$69.95**

Jig Saw / Scroll Saw Accessories

#84563 Coarse Saw Blades (10) **\$8.95**

#15244 Fine Saw Blades (10) **\$8.95**

#15252 Diamond Grinding Blade for micro filing and grinding most materials **\$17.95**

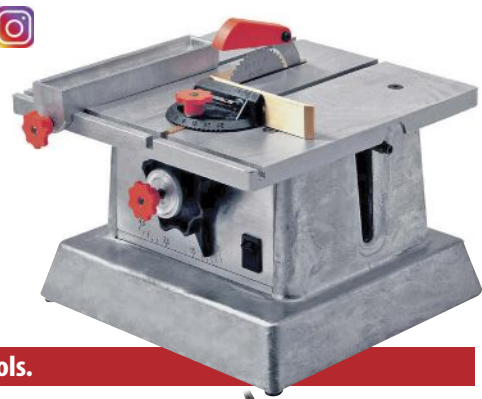
#15245 Stationary Table Attachment holds tool securely for hands-free use; saw turns on automatically **\$11.95**

Micro-Make™ Variable Speed Mini Table Saw with Tilting Arbor

We are pleased to introduce one of the more significant additions to the Micro-Make™ tool line in years...the Micro-Make™ Variable Speed Mini Table Saw with Tilting Arbor. This versatile German-designed saw is sure to become one of your most valued assets in the ultimate Micro-Make™ mini shop you've been building! Like our other Micro-Make™ mini tools, the Mini Table Saw gets its power and variable speed capability from our technologically advanced Digital Transformer (#87365, available separately). Make clean, quick and accurate cuts in soft woods up to 1/2" thick, hard woods up to 3/8" thick and plastics up to 1/8" thick. This well-constructed saw is built on a solid aluminum housing with a finely machined 8.66" x 8.26" aluminum worktable with 2 milled miter gauge slots. Features include: Adjustable blade height, 0 to 0.59"; and angle from 0° to 45°; compact footprint and light weight – only 8" x 8.5" and under 7 lbs.; 700 to 6000 rpm motor speed; built-in vacuum port; uses 63 mm saw blades with 16 mm arbor. Includes 2 blades, one general purpose and one carbide for cutting harder materials, aluminum rip fence, miter gauge and hex key.

These saws are built by hand and made to order, one at a time. Reserve yours now or risk missing out!

#88155 Micro-Make™ Variable Speed Mini Table Saw \$399.95



Please note: The #87365 Transformer is REQUIRED for ALL Micro-Make™ Power Tools.



**Micro-Make™
Power Plane**

Special spiral cutter works as well on balsa as it will on hardwood or even Plexiglass! Easy-to-adjust knob lets you set depth of cut in an instant. Will plane material up to 1" wide in one pass. A truly unique and versatile tool. Includes Allen wrench for cutter replacement.

#15228 Power Plane \$74.95

#15237 Extra Cutter for Power Plane \$18.95



**Micro-Make™
Sword Saw**

Twin blades slide back-and-forth next to each other at 100 to 2,000 strokes per minute. You can hold it like a pencil and cut the most intricate patterns in balsa, basswood and other soft materials up to 3/8" thick; pine up to 3/16" thick. Includes 1 pair of blades.

#81858 Sword Saw. List \$89.95 Our Price \$74.95

#81859 Extra Blades (2 pair) \$7.95



**Micro-Make™
3D Contour
Sander**

*3 rotating pendulum
wheels hug tight to
concave, convex and
planed surfaces.*

Unique sander makes easy, clean work of the difficult task of shaping/finishing 3D objects. 3 rotating pendulum wheels, spinning from 100 to 1,500 rpm, hug tight to concave, convex and planed surfaces. From quick material removal to fine finishing on all kinds of complex objects, this tool gets it done. Includes 1 set of 3 quick-change hook-and-loop-backed sanding disks. 1-9/16" diameter disks sand a 3-3/8" path in a single pass.

#87470 3D Contour Sander \$129.95

Hook-and-Loop Sanding Disks (9/pkg.) \$9.95/pkg.

#87471 60 grit #87472 120 grit #87473 220 grit



**Micro-Make™
Precision
Plunge
Router**

With speeds up to 18,500 rpm and torque to spare, our Mini Router's compact size and light weight (only 1.35 lbs.) allow you to work on pieces a full-size machine could never touch. Features include 2-column suspension, adjustable depth stop and parallel guide for straight, accurate profiles. Includes 1 HSS 1/4" straight cutter, chuck wrench, 1/8" and 4 mm collets, and shaft-locking tool. Plunge depth: 0 to 3/8".

#87474 Precision Plunge Router \$99.95



**Micro-Make™
High Speed
Drill / Grinder**

The smallest and lightest drill/grinder available. It weighs just 5.4 oz. compared to the Dremel rotary tool at 16 oz. It's only 6-3/4" long and 5/8" in dia. at the working end, yet powerful enough for the toughest modeling projects. 5,600 to 21,000 rpm operating speed. Includes 3 precision collets and wrench.

#15230 Drill / Grinder. List \$69.95 Our Price \$59.95

#15238 3-Jaw Keyless Chuck. Use in place of collets for quick change of bits. 1/64" to 1/8" capacity. \$14.95



**Micro-Make™
Heavy-Duty
Right Angle
Disk Sander /
Drill***

*Micro-Mark Tip:
This is also the perfect
tool for cleaning and
finishing gourds!*

A versatile tool for removing rust, grinding metal, shaping and smoothing wood, plastic and more, plus drilling holes* in places no other tool will go. Uses hook-and-loop sanding disks. Speed: 400 to 3,300 rpm. Includes semi-rigid disk mounting wheel for flat surfaces, hex wrench and 2 sanding disks. **#82376 Sander/Drill. List \$109.95 Our Price \$99.95**

Hook-and-Loop Sanding Disks (6/pkg.) \$8.45/pkg.

#88196 60 grit #88197 120 grit #88198 240 grit

Disk Mounting Wheels (3/pkg.) \$12.95/pkg.

#82378 For curved surfaces #82379 For flat surfaces

***#15238 3-jaw Keyless Chuck; REQUIRED to convert sander to drill. 1/64" – 1/8". \$14.95**



**Micro-Make™
Mini Flex Shaft
Machine**

*At a mere 2 ounces and only 5" long,
the pen-like handpiece provides
precision control with
minimal effort.*

*See our website
for a wide selection of
3/32" shank accessories.*

Operating at speeds from 1,500 to 11,000 rpm, the pen-like handpiece of our Mini Flex Shaft Machine offers amazing control for intricate work. Includes 31" long shaft, 1 grinding bit, collet hex key and built-in hang-up hook.

#87475 Mini Flex Shaft Machine. List \$109.95 Price \$99.95



**Micro-Make™
Power
Screwdriver**

Ideal for slow-speed drilling as well as driving screws, this powerful tool delivers 12.5 ft./lbs. of torque at speeds from 240 to 2,500 rpm. Includes 1/64" to 1/4" capacity precision chuck, no. 1 Phillips bit, hang-up hook and 44" cord.

#82478 Power Screwdriver. List \$89.95 Our Price \$79.95

#82479 Phillips Bit Set (1 each #0 and #1) \$9.95

#82480 Flat Blade Bit Set (1 each 1/8" and 5/32") \$9.95



More Micro-Make™ Accessories

#15233 Auto Adapter
powers tools from your
car's 12V port. **\$14.95**

#15234 Bare-End Battery
Adapter turns any 12VDC
power source into a
mobile power unit. **\$7.95**

#15235 10 Foot
Extension Cord extends
the reach of the adapters
above. **\$11.95**



Proxxon Heavy Duty Miter / Chop Saw
Combines High Power with High Precision

Uses the same blades as the **MicroLux® Tilt Arbor Table Saw!**

- #80464 80 Tooth Standard Blade \$29.95
- #80465 24 Tooth Carbide Tip Blade \$39.95
- #86326 40 Tooth Carbide Tip Blade \$39.95
- #81524 Premium Diamond Blade \$69.95
- #82593 Aluminum Oxide Disk \$12.95
- #82594 Silicon Carbide Disk \$12.95
- High Speed Steel Slitting Saws \$25.95 ea.
- #80466 168 teeth, .045" kerf
- #80803 168 teeth, .032" kerf
- #80804 230 teeth, .025" kerf
- #80805 230 teeth, .020" kerf
- #83515 Adapter for blades 80466 – 80805. REQUIRED for use with #83418 saw \$7.95

Overall size: 9" x 9" x 9"

The Proxxon Heavy Duty Miter/Chop Saw cuts and miters hobby materials precisely and quickly. The rotating work table incorporates a beautifully machined vise which clamps the workpiece at the exact angle you need. Vise jaws have a V-groove to securely hold round pieces, plus a top groove to hold thin stock. The blade is belt-driven at 4,000 rpm by a smooth-running 1/4 hp DC motor. Cutting capacity is 1" at 90° and 3/4" at 45°. The base rotates 45° in both directions from 0, with latching detents every 15° for quick and accurate setup. Includes 3-1/8" dia. carbide-tipped saw blade for cutting non-ferrous metals, wood and plastic, plus finger-tip safety release, motor-start switch, automatic blade guard and adjustable stop plate for lengths up to 12". Plugs into 120VAC wall socket.

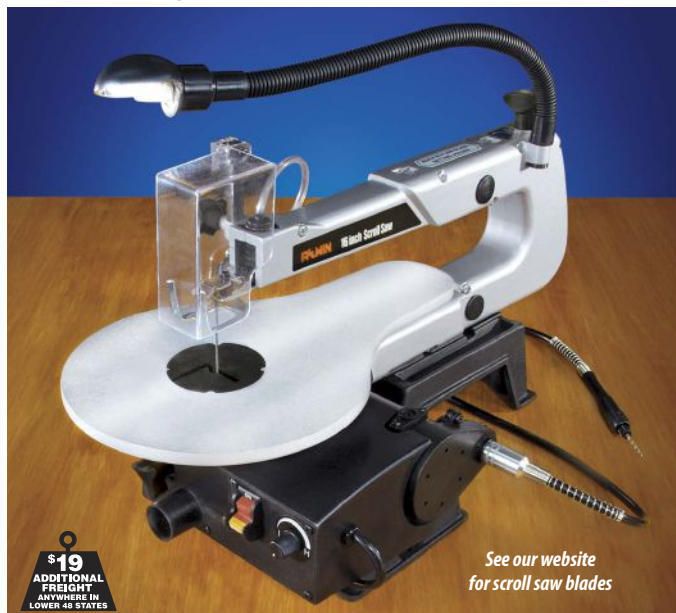
#83418 Proxxon Miter/Chop Saw. List \$329.95 ... Our Price **\$259.95***

#87897 Proxxon Miter/Chop Saw Super Value Package includes saw plus 80 tooth standard blade, 40 tooth carbide blade and 2 cut-off disks (see page 10 for details). Value \$345.75 **Super Buy \$319.95***

#87897K Proxxon Miter/Chop Saw Accessory Value Package includes the 4 blades/cut-off disks in the set above, minus the saw. **Super Buy \$59.95**

\$11
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES

16" Benchtop Scroll Saw with Flexible Shaft Attachment



See our website for scroll saw blades

\$19
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES

Designed for the hobbyist with limited shop space, this well-made, versatile machine combines a sturdy, variable-speed, full function scroll saw with a flexible shaft attachment compatible with hundreds of Dremel-type accessories.

Features: 16" throat depth and metal frame • Cutting capacity: 2" at 0°; 1" at 45° • Variable speed: 550–1600 strokes per minute (saw); 1650–4800 RPM (flex shaft) • Tool-less blade holder • Blade stroke: .593" • Uses 5" long pin-end or pin-less blades • Blade can be turned 90° • Power-take-off for 42" flex shaft (included) • Integrated flex-arm lamp • 10" x 16-1/4" cast-aluminum table tilts up to 45° • Self-powered blower • Vacuum port • Overall dimensions: 15" high x 13" wide x 25" deep • Motor: 120V 60Hz, 1.2 amps • Weight: 32 lbs. • Includes starter set of blades, blade holder, drill bit and wrenches. **#84641 16" Scroll Saw. List \$237.45 Our Price \$139.95***

Proxxon Professional-Quality 10" Variable Speed Disk Sander



Use Dry or Wet!

#86794 #87344

\$12
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES

For smoothing, polishing, deburring and beveling of hard and soft wood, non-ferrous metal, steel, plastic (also plexiglas and fiberglass reinforced plastics), cork and rubber. Includes miter gauge and a silicon disk attachment which allows sanding disks to be easily removed and replaced. Includes 2 each 80 and 240 grit aluminum oxide sanding disks. High-quality, made in Germany. 2 year warranty.

#86794 Proxxon Professional-Quality 10" Variable Speed Disk Sander **\$349.95**

10" Aluminum Oxide Cloth-backed Self-adhesive Disks – \$6.95 each

#80862 80 grit #80863 120 grit #80864 180 grit #80865 240 grit

#82212 **Cooling Set for Proxxon 10" Sander** includes reservoir, adjustable valve, tubing, gasket and collection tray for water-drip cooling of sandpaper and workpiece. Necessary when sanding hardened steel tools, stone, ceramics, tiles, glass and other hard, heat-generating materials. Must be used with special waterproof sanding disks. **\$49.95**

10" Silicon Carbide Waterproof Self-adhesive Disks – \$6.95 each

#82229 80 grit #82230 120 grit #82231 180 grit #82232 240 grit

#87344 **Water-Cooled Sanding System** includes: Proxxon 10" Disk Sander, Cooling System, 240 Grit Sanding Disk and MicroFlow Coolant (#83340). List \$425.00 **\$399.95**



Beware of cheap imitations!

Powered Miter / Cut-Off Saw for Wood, Metal, Plastic

Our Miter/Cut-Off Saw cuts steel, aluminum, brass, wood and just about everything else in a fraction of the time it takes to cut by hand. The cuts are so smooth and accurate, you may never have to file or sand cut ends again!

Overall size: 5" x 8" x 6"

Cuts rods, tubing, squares, miniature molding, brass and plastic shapes. Has a built-in vise that adjusts for cuts from 45 to 90 degrees. 2" diameter blade cuts material 3/8" thick x 1/2" wide x any length at 90° and 3/8" wide at 45°. 110/120VAC, 7800 rpm motor is encased in a high impact plastic housing. Base and vise are die cast aluminum. Includes one fine-cut high speed steel saw blade for wood and plastic.

#84656 MicroLux® Mini Miter/Cut-Off Saw. List \$75.00 ... Our Price **\$49.95**

#84657 Extra steel blade for above **\$14.95**

Reinforced Abrasive Cut-Off Wheels, .040" thick, package of 3

#84689 For Ferrous Metals **\$8.95**

#84690 For Non-Ferrous Metals **\$9.95**



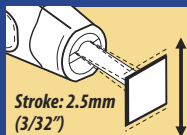
#80243 Anti-Vibration Pad reduces noise and vibration of benchtop power tools including saws, sanders, air compressors and more. Cut to size with a scissor. 12" x 18", 3/8" thick. **\$14.95**

120VAC

A Micro-Mark Exclusive!



Micro Power Sander Gives You Professional Finishes with Little Effort



Our Micro Reciprocating Sander does in minutes what used to take hours...if you could do it at all! And it works in places even your fingertip can't fit. 8 different interchangeable sanding shapes snap into the working end with just a twist. Works on wood, metal or plastic. If you build models or miniatures, it's the tool you've been waiting for! Set includes power sander, 8 tips (4 straight and 4 curved), and 60 self-stick sanding pads. 120VAC. 7-1/2" long overall. 7,000 strokes/minute. Made in Japan.

#81266 Micro Power Sander. List \$117.50 ... Our Price **\$79.95**

Extra Sanding Tips (set of 4) - \$11.95 each #81266A Straight #81266B Curved

60 Replacement Sanding Pads (15 of each shape) \$6.95 each

#81279 #81280 #81281
180 grit 240 grit 400 grit
Sanding pad shapes shown actual size



Benchtop Mini Disk/Belt Sander

Our disk/belt sander is a rugged, solidly-built tool that can save you hours of hand sanding. Beautifully designed, with features found in heavy duty professional woodworking machinery. Use for shaping, smoothing, sharpening and for trimming parts precisely to your marked line. Can be used on all woods, metals and plastics. Miter gauge and calibrated disk tilt table allow sanding of compound shapes.



Color may vary

Benchtop Mini Disk/Belt Sander Features:

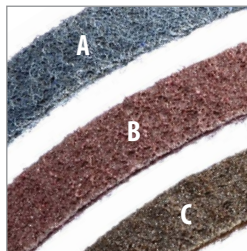
- 5-3/4" round cast aluminum table tilts up to 60° for bevel sanding
- Removable belt support platen for finishing intricate or curved work
- Belt tracking and tension adjustment keeps belts on rollers and makes belt changes easy
- Heavy duty metal frame
- 1/3 hp, 120VAC quiet-running induction motor
- Base is fitted with rubber feet for smoother, quieter operation
- On/off rocker switch
- Outlets for attaching standard vacuum cleaner hoses
- Uses 1" wide x 30" long sanding belts
- Top pulley lets you sand inside curves
- 5" disk sander with a 7-1/4" x 4" cast aluminum tilting table with miter gauge
- Overall dimensions: 15" wide x 11" deep x 15-1/2" high
- Weight approx. 16 lbs.
- Includes one sanding disk and one belt

#86174 Allwin Disk/Belt Sander. List \$149.95 ... Our Price **\$79.95***



Sanding Belts and Disks - \$9.95 per package

- | | |
|---------------------------------------|---------------------------------------|
| #38103 80 grit (medium) belt (2) | #38106 240 grit (ultra-fine) belt (2) |
| #38104 120 grit (fine) belt (2) | #38109 80 grit (medium) disk (5) |
| #38105 180 grit (extra-fine) belt (2) | #38110 120 grit (fine) disk (5) |



- A. #85653 Fine grit
B. #85654 Medium grit
C. #85655 Coarse grit

Long Lasting Nylon Mesh Abrasive Belts for Cleaning and Buffing

Nylon mesh belts impregnated with silicon carbide abrasive remove tarnish, rust and scale, and buff rough surfaces to a smooth finish. The open pores of the mesh work as a kind of "air conditioning" to carry off heat that would otherwise damage delicate finishes. Abrasive particles are embedded throughout the mesh, so fresh abrasive is exposed as the belt wears, giving up to 10 times the life of a standard sanding belt. Tap water washable. Fits our disk/belt sander and other machines that use a 1" wide x 30" long belt.

\$14.95 ea. 3 or more of any one grit **\$11.95 ea.**

Turn Your Shop into a Mini Lumber Mill

A Micro-Mark Exclusive!

Sands wood up to 1/2" thick and 5" wide



Weighted in-feed roller (non-powered) and table locks assure precise sanding.



Fine adjuster for fast, easy and accurate thickness setting.



1-1/4" vacuum port on back for dust removal.

The MicroLux® Drum Thickness Sander is designed for serious hobbyists who need wood in sizes not available commercially. The rotating drum sands wood sheets and strips to the exact size needed for your project, and can even be used to manufacture lumber from resawn board or other sources.

"I needed about ten sheets of scribed sheet wood reduced from 1/16" to 1/32" thick. The drum thickness sander was a trooper and buzzed through them in a few minutes. I used a micrometer and the variation between boards and along each board was less than 0.003 inch. Bravo!"

— Wayne W., Tucson, AZ

Specifications

Drum size: 2" diameter x 5-1/2" long
Capacity: Sands wood up to 1/2" thick and 5" wide
Motor: 1/3 horsepower, 120VAC
Drum speed: 5800 rpm
Sanding sleeves: Various grits available (see below)
Machine construction: Cast iron and steel plate

Drive system: Multi-V-belt
Accuracy: Table is adjustable side-to-side for uniform thickness
Vacuum port: Located on rear... 1-1/4" diameter
Overall size: 9" wide x 10" deep x 11" high
Weight: 33 lbs.
Includes one 120 grit sanding sleeve

#83507 MicroLux® Drum Thickness Sander. List \$639.95 ... Our Price **\$379.95***



Extra Sanding Sleeves **\$12.95 ea.**

3 or more, same item no. **\$11.45 ea.**

- | | | |
|----------|----------|----------|
| #83508 | #83556 | #83543 |
| 120 grit | 240 grit | 320 grit |



See our website for a video of this item

*Use our website shopping cart to calculate freight charge for shipments outside 48 contiguous U.S., or call our order line for assistance.

ORDER ONLINE www.micromark.com

A Micro-Mark Exclusive!

The MicroLux® Variable Speed Multi-Saw is a Power Coping Saw And Scroll Saw...All In One!

Perfect for Hobbyists, Jewelers, Crafters and Do-It-Yourselfers!

After 25 years in production, one of the most popular Micro-Mark saws ever offered has been re-engineered, making this already great saw better than ever!

Packed with these great features: Almost twice the stroke length – increased from .200" to .375" (3/8") • Integrated blower device provides a clean view of your sawing line • Elbow-jointed overhead yoke arm provides easy, fast (45 seconds or less) re-positioning of material being sawn; ideal for making complex interior cuts • Larger-size side compartment with tool-less push-button removal mechanism • Easier blade installation for quicker blade swaps • Improved vacuum port attachment design.

This is one of the few power saws in the world that can use coarser coping saw-type blades and ultra-fine blades for the finest cuts you've ever seen... re-designed and sized for hundreds of small projects. Cuts just about everything from balsa to pine, basswood, cherry, walnut, mahogany and other exotic woods to light gauge, non-ferrous materials...copper, brass, silver and other precious metals, aluminum, and plastics. It will even cut styrofoam without shredding or tearing!

Made in Japan for Micro-Mark, Multi-Saw features a 90 watt (1/10 hp) motor which runs on 110VAC household current. Variable speed: 500 – 1,700 strokes per minute. Overall size: 12" high x 13-1/2" wide (with vacuum adapter installed: 9-1/2" without adapter) x 19" deep. Weight: 7 lbs. Table size: 6-1/4" x 6-1/4" cast aluminum with smoothly machined surface. Multi-Saw cuts soft woods up to 2" thick, hardwood up to 1/2" thick, circuit boards and non-ferrous metals up to 5/64" thick.

#87776 MicroLux® Multi-Saw includes 6 premium blades: 2 fine (#80856) and 2 medium blades (#87937) for wood, plastic and metals such as aluminum, brass, silver, gold, plus 2 coarse blades (#80857), primarily for wood cutting; adjustable rip fence; 0–90° miter gauge; 2 C-style bench clamps for mounting the saw on work surfaces up to 1-7/8" thick; assorted mounting screws; extra-long hex key and set-up instructions. List \$229.95... Our Price **\$149.95**

#87947 MicroLux® Multi-Saw Super Value Package Includes #87776 saw, #81387 Easy-Mount Bench Bracket, #87607 "Big Book Of Scroll Saw Woodworking," plus 30 premium saw blades (10 ea. #80856, #80857 and #87937). Value \$249.70 **Super Buy \$209.95**

#87947K MicroLux® Multi-Saw Accessory Value Package Includes everything in the Super Value Package above except the saw. Value \$109.75 **Super Buy \$79.95**

Standard Saw Blades for the MicroLux® Multi-Saw • 12/pack – \$9.95

ITEM #	W	THICK	TPI	USE	TYPE
60496	.022	.010	28	WP	PLN
60497	.029	.012	20	WP	PLN
60498	.038	.016	12	WP	PLN
60503	.024	.012	48	MP	PLN
60504	.033	.016	36	MP	PLN

Premium Saw Blades • 10/pack – \$14.95

ITEM #	W	THICK	TPI	USE	TYPE
60505	.041	.019	30	MP	PLN
81117	.034	.032	46	WP	SP

W = wood, P = plastic, M = metal, PLN = plain end, SP = spiral blade, plain end, cuts in any direction. TPI = teeth/inch
All blade dimensions subject to 10% variation.

MicroLux® Miniature Table Saw is Ideal for Ultra-Miniature Sizes

A Micro-Mark Exclusive!

Designed specifically for rip-cutting narrow strips from sheet stock and for cross-cutting to close tolerances, the MicroLux® Mini Table Saw will even cut plastic, thin non-ferrous metals and printed circuit board with our optional fine-tooth blades.

Features include: Pivoting action clear blade guard for better visibility • Tool-less dust compartment door latch • Adjustable, angled vacuum port attachment • Built-in sliding scale on the table top for precise cuts • Wide-body, self-aligning rip fence with undercut clamp for more secure positioning.

#87775 MicroLux® Miniature Table Saw includes sturdy 6-1/4" x 6-1/4" stationary aluminum table, adjustable rip fence, 0–90° miter gauge, blade guard, dust catcher compartment, benchtop mounting holes, up-front on/off switch, standard blade (#50320, 2" dia. with 10 mm hole and 80 teeth), 3600 rpm, 1/10 hp, 110VAC motor with belt drive and 6' cord. Fixed-position 2" blade. Overall size: 9-1/2" wide x 7-1/4" deep x 4" high. Weight: 4 lbs. High-quality, made in Japan for Micro-Mark. List \$239.95... Our Price **\$129.95**

#87775K MicroLux® Mini Table Saw Super Value Package Includes #87775 saw, #15220 and #86619 saw blades, and #82147 Mini Square. Value \$181.80 **Super Buy \$169.95**

#50320 Standard Saw Blade, 80 teeth, .040" kerf. For soft wood up to 3/8"; hard wood up to 3/16" **\$34.95**

#15220 Fine Saw Blade, 100 teeth, .020" kerf. Produces extra smooth cross cuts (not for ripping). Cuts thin woods and non-ferrous soft metals up to 1/32"; plastic up to 3/32" **\$32.95**

#86619 Carbide-Tipped Saw Blade, 20 teeth, produces a thin .043" kerf. Long-lasting, razor-sharp blade makes fast, smooth cuts in soft and hard woods – even plywood – up to 3/16" thick; PCB up to 3/64" and plastic up to 1/8" **\$34.95**

#81387 Easy-Mount Bench Bracket Custom-fit bracket includes hardware and instructions for securely mounting saws #80463, #87775 and #87776 to work tables up to 2" thick. Foam pads protect table surface. **\$39.95**

#84446 Powered Detail Engraver lets you carve and engrave the finest details in metal, wood, plastic and glass. And, because it's so lightweight (just 2 ounces), you'll have more control than you ever thought possible. Beautifully finished machined aluminum barrel includes finger-tip on/off push button switch; holds two AAA cells (included) for cordless power. Set-screw-type 3/32" chuck holds miniature diamond engraving bit (also included). Packed in a handsome molded case. List \$27.05... Our Price **\$19.95**

#84447 Diamond bits, 3/32" shank (pkg. of 2) **\$8.95**

Downdraft Worktable Keeps the Dust at Bay



Particles are instantly drawn from the air, leaving a perfectly clear work-space. Table is 10.5" x 9" x 5" high. Built-in fan operates on 120V, 60Hz AC household current. Storage included for rotary bits, polishing compounds and cut-off disks. For maximum efficiency and best dust-containment results, we recommend our optional #86697 Duct Hose. This flexible hose is designed specifically for use with the Downdraft Worktable to move dust to a receptacle up to 32" away from the work area.

#86695 MicroLux® Downdraft Worktable **\$109.95**

#86696 Extra Filters for Downdraft Worktable. Package of 3. **\$9.95**

#86697 Duct Hose for Downdraft Worktable **\$24.95**



#87205 Downdraft Worktable Soldering System includes laser-cut wood frame, charcoal filter and 4 super magnets for holding fixtures, etc. **\$14.95**

Foot Pedal and Table Top Switches for Hands-Free Control of Your Power Tools



#80766
On/Off



#88343
Variable Speed

#80766 This high quality industrial foot switch is ideal for use with scroll saws, disk sanders, drill presses, airbrush compressors, etc. Press pedal for "on," release for "off." Has no-slip rubber pads on both sides. 10 amp capacity. 6' cord. List \$64.95 **\$29.95**

#88343 Table-top speed control for power tools lets you dial in the desired speed to suit the project at hand. 5" long x 5-7/8" wide; 2-3/4" high. 3 amps max. **\$84.95**

Your Search for a High-Quality, Affordable, Desktop Laser Cutter is Over... Introducing beamo by FLUX

beamo is a Powerful Laser Cutter Made Compact and Simple

FLUX proudly presents **beamo**, a powerful laser cutter with the smallest footprint ever... just 24" x 17" x 7". This never-before-seen design marries cutting-edge technology with FLUX's trademark simplicity, maximizing quality and functionality. beamo is loaded with features typically found only in industrial-grade laser cutters, giving you ultimate power to bring your vision to life.

Cut and engrave detailed patterns, intricate text and beautiful images for all kinds of projects, including model building and scratch building, prototypes, home decor, or just for fun. Narrower than the width of a human hair, beamo's laser engraves with an incredibly thin 0.05 mm layer spacing. The high 1,000 DPI resolution will amaze you.

Explore new creative possibilities with hundreds of materials. Shape, cut and engrave wood, leather, acrylic, fabric, cardboard, stainless steel, anodized metal, glass, cement and much more. The beamo online community provides inspiration and resources to help you make incredible things.

Beam Studio allows you create without limits. With many features common to professional graphics editing apps included, Beam Studio provides a one-stop design experience. Edit text and vector files, modify bitmap images, align and layout objects and use many other tools to transform your concepts into reality.

At the same time, Beam Studio's compatibility with JPG, PNG, SVG and DXF file formats makes it easy to use the graphics editor that's best for you – Adobe Illustrator, Autocad, Inkscape, CorelDraw, Silhouette Studio or even Microsoft Word and PowerPoint.

Use BeamCam, the mobile app, for an even easier creative process. Just take a picture, upload it using your phone, align the design, then let beamo do the rest. Prefer drawing by hand? Easily transform sketches into digital files by using beamo's Smart Trace software. Smart Trace is also perfect for anyone who loves to draw or paint. Inspire them by engraving their work onto hundreds of objects. There has never been a better time than now to get started!

#89338 beamo Desktop Laser Cutter, 30 Watt **\$1999.00**

#89339 Beambox Pro Desktop Laser Cutter, 50 Watt **\$4599.00**** (See our website for complete details of this machine)

beamo is a production workhorse, shown here manufacturing parts in-house for our own MicroLux Paint Rack.



For complete specifications and details, see our website.

NEW Product Showcase See more at www.micromark.com

#89332

Precision Feeler Gauges measure gaps and clearances between parallel components. Made of high carbon steel, the gauges can be used independently or combined. Includes plastic hang-up sleeve.

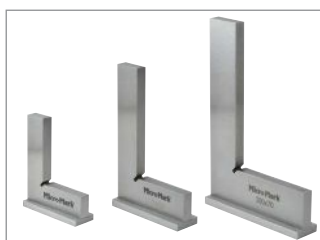
#89331 100 mm Metric Feeler Gauge includes 0.03, 0.04, 0.05, 0.06, 0.07, 0.08, 0.09 and 0.10 mm gauges. **\$8.95**

#89332 4" Standard Feeler Gauge includes .0015", .002", .003", .004", .006", .008", .010", .012", .015" and .025" gauges. **\$9.95**



#89325 Four-Inch Beveled-Edge Steel Square

The vertical blade of this specially-designed square features 60° beveled edges which provide excellent visual line contact for more accurate scribing and marking. Expertly crafted of high-quality tool steel, the hardened beam and blade are ground and lapped to ensure parallel and straightness with square accuracy of .0001". Beam is 5/8" x 3/4"; blade length is 4" from the inside edge of the beam, total length is 4-3/4". **\$29.95**



Wide Base Vertical Steel Mini Squares

Count on these specially designed, hardened and machined Steel Mini Squares to make the most accurate and true markings you've ever seen. Notched inside corner prevents accumulation of debris.

#89328 Wide Beam Mini Square, 2" \$15.95 ea., 2+ \$14.35 ea.	#89329 Wide Beam Mini Square, 3" \$19.95 ea., 2+ \$17.95 ea.	#89330 Wide Beam Mini Square, 4" \$24.95 ea., 2+ \$22.25 ea.
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#89252 All-Position Universal Clamp with Base

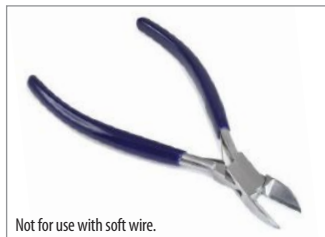
Ingenious tool holds small and odd-shaped parts at any angle and hands-free for carving, sawing, filing, etc. The eight included steel pins adjust to 60 different positions to hold even the most irregular shapes. The heavy base features molded-in holes for bench mounting. Includes 2" diameter solid aluminum head with steel guide pins and screw. **\$29.95**



#89245 16-Slot Wooden Tool Organizer

Store up to 16 small tools in 7" x 4" x 3-1/4" of space with this handsome organizer. Offset rows keep tools visible and accessible. **\$16.95** 2 or more **\$14.95 ea.**

#89244 12-Space Wooden Tool Organizer Hold up to 12 small tools in a 4" diameter space with this nicely-made wooden organizer. Round holes are approx. 1/2" diameter. Approx. 3" tall. **\$14.95** 2 or more **\$12.95 ea.**



#89117 Hard Wire-Cutting Plier with Carbide Jaw Inserts

Got a hard wire cutting job? Either you can get this plier or plan on trashing anything else! Carbide inserts at the jaws' cutting edge bite through music wire up to 13 gauge (.031") and other spring-type wire up to .048" with ease. Other quality features include box joint fulcrum for exceptional leverage without straining and spring return action. 7" long overall with 1" nose. **\$25.95**



#89119 90° Bent Nose Plier

This clever variation of needle nose pliers features non-serrated tapered jaws that are bent at a 90° angle, 3/8" from the tip. This allows the jaws to grip in tight spaces and at angles which ordinary pliers can't. Useful for many applications including soldering, wire and jewelry work, model building and more. Box joint construction with leaf spring return. 5-1/2" long. **\$9.95**



#86260 Precision Toolmakers Vise Set

Angled clamping screw on moveable jaw exerts downward force on workpiece. Jaws are 2" wide x 1" deep. Opens to 3-1/4". Overall height 2-3/16". Base plate is 6" long. Includes threaded hole and V-grooves for round workpieces. Includes 2 mounting blocks. List \$99.95 ... Our Price **\$89.95**

MicroLux® 8 x 12 Woodturner's Lathe



\$18
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES

#86892 MicroLux® 8 x 12 Wood Turner's Lathe Compact in size but large in capability, this lathe fits easily on top of your workbench and will provide endless hours of wood turning enjoyment. Features include variable speed (750 – 3200 rpm) 1/3 hp motor, 8" swing over bed, 12" length capacity, head spur drive, live tailstock center, 5-3/4" face plate, heavy duty cast iron base and 7" tool rest. Weight: 41 lbs. loaded; footprint: 28" long x 10" wide x 13" high. Headstock and tailstock have a #1 Morse internal fitting and the spindle has 1" x 8 tpi external threading. **Includes a FREE MT1 Tailstock Chuck – A \$38.45 value! \$189.95***

See page 10 for MicroLux® 8 x 12 Lathe Super Value Package and Accessory Value Package!



#87333 5-piece Pen Turning Tool Set includes 3/16" gouge, 9/64" diamond point, 1/8" \$79.95

#86911 8-piece Mini Wood Turning Tool Set includes 1/8" gouge, 3/16" gouge, 9/64" beading tool, 9/64" square nose, 9/64" diamond point, 1/8" round nose, 3/16" parting tool, 3/8" skew, plus 10 slot leather tool roll. Made in USA. **\$104.95**

#87336 8-piece Large Turning Tool Set with 9" long x 1" thick handles. 1" skew, 1/2" skew, 1/2" spear point, 1/8" parting tool, 1/2" round nose, and 1/4", 1/2" and 3/4" gouges. **\$24.95**

#86720 MicroLux® Powered Chisel Hammer-like reciprocating action activates automatically, providing incredible cutting power. Includes 3 blades: 9 mm #1 flat chisel, 6.4 mm 90° V parting chisel and 9 mm #9 sweep gouge, plus collet wrench. 110V; 50/50 Duty Cycle. High quality, Made in Japan. List \$165.86... Our Price **\$129.95**

See page 11 for MicroLux® Powered Chisel Super Value Packages!

Super-Sharp, Bi-Metal Chisel Blades
List \$16.95 each... Our Price **\$11.95 each**

#86722 14 mm #7 Sweep Gouge

#86723 7 mm (60°) V Parting Tool

#86724 16 mm #1 Flat Rounded Chisel

#86725 7 mm (90°) V Parting Tool

#86726 Special Offer!

Set of 4 Chisel Blades above for one low price. **Only \$39.95**

#86721 Set of 5 Chisel Blades includes 9 mm #1 rounded flat chisel, 6 mm #9 sweep gouge, 9 mm #1 flat chisel**, 6.4 mm 90° V parting chisel**, 9 mm #9 sweep gouge**. **\$37.95 **Included with Chisel**

#86727 Chisel Blade Sharpening Stone Approx. 4" x 2-1/2" x 5/8". **\$24.95**

#86566 Wet / Dry Utility Sharpener

spins at a slow 170 rpm through a water bath which washes away ground particles and prevents overheating. Twin tool rests and reversible motor accommodate a wide range of grinding angles. 120VAC. Wheel size: 5-1/2" diameter x 1-1/2" wide; 120 grit. **\$99.95**



NEW!



#89327 Bell Punch Center Finder quickly and easily locates the center of any solid, round rod from 3/8" to 1-1/2" in diameter and in any material, including wood, plastic and soft metals typically used for production on lathes, mills and drill presses. To use, insert the rod into the "bell" until the rod is in full 360° contact with the interior wall of the bell. A hammer-tap to the punch shaft produces a perfectly centered mark. A quality tool, made entirely of machined steel. **\$25.95**

NEW!



#89415 iGaging 15-piece "Right On" Precision Setup Block Set
Used to set bit and blade heights, drill press depth stop, plunge routers and virtually every machine in your shop physically, precisely and accurately. Each 3" long block is cast in solid aluminum with anodized finish. Blocks are accurate to within a thousandth of an inch in the following thicknesses: 1/16", 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 7/16", 15/32", 1/2", 23/32" and 3/4". Also includes a precision 1" x 2" x 3" block engraved in 1/32" increments, plus case. **\$79.95**



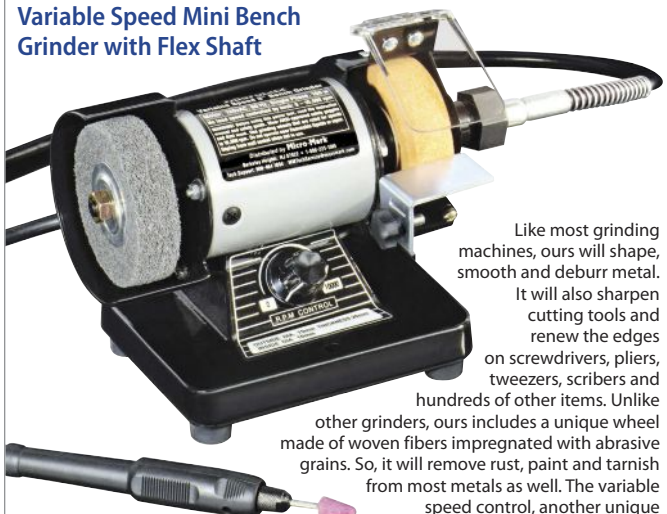
#89414 iGaging Digi Align Digital Saw Gauge allows you to test your table saw alignment, fence alignment, saw, router and drill press arbor run out, set jointer knives, saw blade run out and much more. The Digi Align provides accurate measurements on any steel (cast iron) machine with a standard miter slot (3/8" x 3/4"). The easy to read, 3-way digital indicator gives you readings in metric, inch or fractional increments. It has a 1" range, will read to within 0.0005" and features both an ABS hold function and a data output for your computer. Battery included. Gauge dimensions: Dial: 2" diameter; 5" long x 1" high; sliding bar: 9-3/4"; miter bar: 6-3/4". **\$64.95**

#25104 Micro Carving Tool Set

A must-have if your work requires small, intricate cuts in wood. Made of the finest quality tool steel then fully sharpened and honed to an incredibly sharp edge. This beautiful set includes 1 single bevel chisel edge, 1 skew chisel edge, 2 gouges and 1 parting tool (V shape), each with lacquered hardwood handle. 3 mm tips; 4-1/4" long. **\$69.95**



Variable Speed Mini Bench Grinder with Flex Shaft



Like most grinding machines, ours will shape, smooth and deburr metal. It will also sharpen cutting tools and renew the edges on screwdrivers, pliers, tweezers, scribers and hundreds of other items. Unlike other grinders, ours includes a unique wheel made of woven fibers impregnated with abrasive grains. So, it will remove rust, paint and tarnish from most metals as well. The variable speed control, another unique feature, lets you do intricate shaping of miniature parts. And, it includes a detachable 42" long flexible shaft with ergonomic handpiece and 1/8" collet to hold accessories that grind, buff, sand, drill and saw metal, wood and plastic. The all-metal motor housing with rubber feet includes a repositionable protective face shield. Overall size: 5" x 6" x 7". Wheels are 3" diameter x 3/4" wide with 10 mm hole. Variable speed: 0 to 10,000 rpm. Weighs just 6-1/2 pounds. 110VAC motor with 5' cord.

#85287 Miniature Bench Grinder. List \$92.50... Our Price **\$69.95**

Order Extra Wheels Below – \$9.95 each

#85919 3" Grinding Wheel, 120 Grit

#60736 3" Woven Abrasive Wheel

MicroLux® Mini and Micro Rotary Tools Bring Precision Carving, Shaping, Sanding and Grinding to the Next Level



#86694 MicroLux® Micro Rotary Tool is the most ergonomic hand-held rotary tool we've ever used. At just over 6 oz, it is extremely lightweight and perfectly balanced. Attachment of the 110V power cord to the side of the unit eliminates the awkward, top-heavy feel of other hand-held rotary tools and allows for more precise movements and amazing control. Speed is variable from 7,000 to 16,500 rpm; 20 watts; 50/50 duty cycle. Includes 8 accessories: 2 diamond bits, 2 steel cutters, 3 stone bits, 1 felt-tipped bit, plus collet nut wrench and storage case. Other 3/32" shank bits available separately. Made in Japan. **\$54.95**

#86675 10-piece Metric High-Speed Steel Drill Bit Set 3/32" shank is a perfect fit with our MicroLux® Micro Rotary Tool. Includes sizes: 0.7, 0.8, 0.9, 1.0, 1.2, 1.4, 1.6, 1.8, 2.0, 2.2 mm, plus sturdy storage box. Max. rpm: 18,000. **\$29.95**

#86811 12-piece Metric Drill Set Polished steel twist drills with uniform 3/32" shanks are a perfect fit with our MicroLux® Micro Rotary Tool. Includes 12 popular sizes from .45 mm to 1.55 mm in .10 mm increments. **\$29.95**

#86698 MicroLux® Mini Rotary Tool 35 watts of power and a variable operating speed between 8,000 and 18,000 rpm make the MicroLux® Mini Rotary tool strong enough for the most challenging projects. A total weight of just 8 oz and the thinnest design available in this power range (3/4" at the tip and 1-5/16" along the barrel) make for one of the most ergonomic high-powered rotary tools in the world. Includes collet set (1/32", 3/32" and 1/8") and wrench. Uses a wide variety of standard rotary tool bits and accessories. See website for details. 110V; 50/50 duty cycle. Made in Japan. **\$74.95**

#86694



#86698



#87834 Dremel Fortiflex Heavy Duty Variable Speed Corded Flex Shaft Tool This reliable, high-performance tool features a powerful 2.5 amp (1/5 hp) motor that provides high torque at low speeds. Precision hand-piece is engineered for control and comfort even with extended use and 3-jaw chuck enhances versatility. Heavy duty flexible shaft includes a patented bearing system for durability and cool operation. Variable speed foot pedal allows you to match the speed with the application, hands-free. Can be used with all Dremel rotary tool accessories. Includes Fortiflex motor unit and flex shaft with 0" - 5/32" hand-piece, variable speed foot pedal, mounting bracket, chuck wrench, hex key and 21 accessories. **\$220.95**

#89218 Dremel Lite 4V Cordless Multi-Purpose Rotary Tool Kit

The combination of ergonomic design, Lithium-Ion battery technology, and reliable motor makes the Dremel Lite beginner-friendly, ideal for precise work and great for a wide variety of tasks. Integrated EZ Twist nose cap makes accessory changes tool-less, fast and easy. Convenient slide switch controls speed. Includes 10-piece accessory assortment with storage box. Compatible with all Dremel rotary tool accessories. **Super Buy \$49.99**



Dremel 4300 Platinum Tool Set is a Complete Workshop in a Box

Makes a great gift, too! Since inventing the high-speed rotary tool in 1934, Dremel has continued serving makers with its full line of versatile, easy-to-use tool systems that deliver the perfect solution for almost any job. Billed as Dremel's "most versatile rotary tool," the 4300 is a bold next step in that evolution, as it's the first model designed to be fully compatible with ALL dremel accessories regardless of size. Leading the way to innovation is a new universal 3-jaw chuck for quick and easy tool-free accessory changes, an all-new adjustable pivot light to provide illumination even in the most difficult-to-reach angles and spaces, plus their most powerful motor ever with built-in variable speed (5,000 to 35,000 rpm) and electronic feedback circuitry. This amazing Platinum Edition Set offers a superior value, with 8 great attachments including the ever-popular Flex Shaft, plus 64 Dremel accessories. The beautiful ultra-large storage case is worth the price of admission alone, with metal latches, reinforced corners and foam-lined drawer with stay-closed glide system.

#87831 Dremel 4300 Platinum Rotary Tool Set. List \$299.99 ... Our Price **\$219.95**

#87832 Dremel 4300 Standard Rotary Tool Set includes the model 4300 tool described above, plus 5 highly useful attachments, 40 accessories and deluxe molded plastic storage/carry case. **\$125.95**

Dremel Stylo+ Versatile Craft Tool

#89030 Dremel Stylo+ Craft Tool Set The Stylo+ offers the precision you expect from a Dremel rotary tool, packaged into a sleek, lightweight design. Crafted with the comfortable ergonomics of a pen, the narrow profile and soft grip of Stylo+ allow creative users to etch, engrave, polish and sand with ease at speeds from 5,000 to 22,000 rpm. Set includes Stylo+ rotary tool, 15 accessories for carving, engraving, cleaning, polishing, sanding and more, plus a two-year manufacturer's warranty.

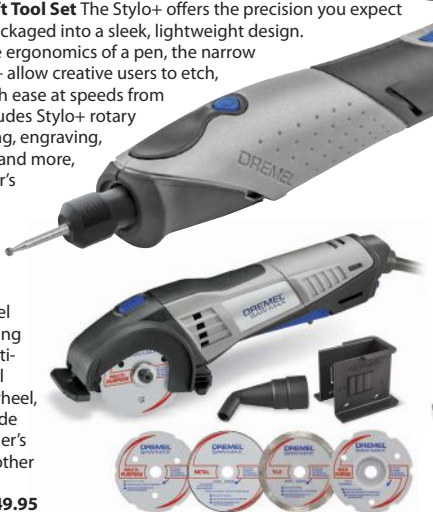
List \$88.62

Super Buy \$59.99

#86027 Dremel SM20-02

Saw-Max Kit includes Dremel Saw-Max SM20 tool, 2x4 cutting guide, dust port adapter, multi-purpose carbide wheel, metal cut-off wheel, tile diamond wheel, multi-purpose flush cut carbide wheel, storage case and owner's manual. See our website for other accessories.

List \$215.88 ... Our Price **\$149.95**



Dremel Ultra-Saw Mini Circular Saw

With a strong 7.5-amp motor and durable drive train, Ultra-Saw has the power to take on a wide variety of jobs lighter-weight tools just can't handle. 3.5" and 4" wheels provide fast cutting speeds and improved performance in a wide variety of materials.



#87833 Dremel Ultra-Saw Kit includes 3 cutting wheels: wood, wood flush cut and metal plus concrete surface prep wheel; auxiliary handle and carry/storage bag. **\$135.95**

Dremel Rotary Tools, Attachments & Accessories

See our website for complete descriptions and more Dremel items



Dremel Micro 8050 Cordless

The perfect combination of size, ergonomics and power make it the ultimate cordless rotary tool for both precise and light duty tasks

#86223 Dremel Micro 8050-N/18 Rotary Tool Set includes Cordless rotary tool with 8V Max Lithium-Ion battery • 5,000 to 28,000 rpm speed control • LED Smart Features, including front-end lighting, variable speed indicator and fuel gauge • Docking station with battery charger • 1/8" collet • Assorted accessories • Owners manual. List \$149.90 ... Our Price **\$99.95**



Dremel Rotary Tool Hobby Set

Maximum versatility and constant 120V power make this rotary tool the standard by which all others are measured

#85177 Dremel Hobby Set (model 3000-1/24) includes 120VAC corded Model 3000 rotary tool • 5,000 to 32,000 rpm speed control • EZ Twist™ nose cap for fast accessory changes • Sanding/grinding guide • Starter selection of accessories • Accessory organizer case • Guide book and storage case. List \$144.95 ... Our Price **\$89.95**



Dremel 8220 Cordless

Dremel's most powerful cordless rotary tool offers unmatched performance and versatility with superior 12V^{MAX} batteries

#85515 Dremel 8220-2/28 Rotary Tool Set includes Cordless rotary tool with 2 high-capacity 12V^{MAX} Lithium-Ion batteries • 5,000 to 30,000 rpm speed control • EZ Twist nose cap for fast accessory changes • Comfort grip housing • Battery fuel gauge • 1-hour battery charger • 2-year warranty • Cutting guide • 28 accessories • Carrying case. List \$246.80 ... Our Price **\$149.95**

265-piece Accessory Set for Rotary Tools

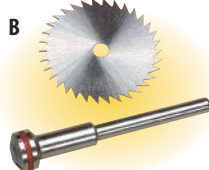


You'll be impressed with this most-complete selection of accessories that fit any rotary tool with a 1/8" collet or chuck. Includes sanders, grinders, drill bits, buffers, polishing cream, diamond bits, brushes and cut-off wheels...265 pieces in all!... everything you need to put your Dremel or other rotary tool to good use.

#86340 265-piece Rotary Tool Accessory Set. Value \$126.50 ... Our Price **\$59.95**



A. #87505 6-Piece Grinding Wheel Set includes one each coarse, medium and fine grit. Approx. 7/8" in diameter by 7/64" thick; included mandrels have 3/32" shanks. **\$9.95**



B. Mini Saw Blades cut wood, soft metals, plastic, fiberglass. Precision ground tools of drop forged, tempered high carbon steel. All are .015" thick with 1/8" hole.

#14133 3/4" dia., 36 teeth **\$13.95**

#14137 2" dia., 140 teeth **\$24.95**

#14134 3/4" dia., 60 teeth **\$13.95**

#14138X2 1/8" shank mandrel (2) **\$7.95**

#14135 1" dia., 68 teeth **\$13.95**

#14136 1" dia., 34 teeth **\$14.95**

#80324 1-1/2" dia., 100 teeth **\$19.95**

C. Tungsten Carbide Sanding Bands won't load up, break down, or overheat. Use on wood, fiberglass and plastic. Bands are 1/2" dia. x 1/2" long.

#14463 Coarse Grit Band **\$7.95**

#14563 Drum, 1/8" Shank **\$3.95**

#14464 Fine Grit Band **\$7.95**

#50292 **SAVE!** Set of all three **\$17.95**



BUY THE SET AND SAVE!
#81043 Saw and mandrel set. Includes 1 each of the above. **\$94.95**



D. - F. Diamond Coated Micro Burrs grind, engrave, smooth, shape and sharpen almost everything. 1/8" shanks. Each set includes a plastic storage case.

D. #80919 Standard Set 20 different shapes; cutting diameters up to 1/8" **\$16.45**

E. #82260 Expanded Set 30 different shapes; cutting diameters up to 3/16" **\$25.45**

F. #86573 Jumbo Set 10 different shapes; cutting diameters up to 5/16" **\$17.45**

G. #80470 10-piece Titanium Coated High Speed Steel Cutter Set includes all shapes shown. Use for shaping, cutting and hollowing soft brass, wood and plastic. 1/8" shank. Value \$64.05 ... Our Price **\$45.95**

H. - N. Solid Carbide Cutters last up to 20 times longer than steel. 1/8" shanks. Use to shape all materials except hard steel. **\$14.95 ea.**

Item #	Diameter	Item #	Diameter	Item #	Diameter
H. 60672	1/4"	K. 60676	1/4"	M. 38185	1/8"
J. 60674	1/4"	L. 60677	1/4"	N. 60679	1/16"

P. #12101 14-piece Drum Sander Set Get professional results in wood or metal with these hard-to-find tools. Abrasive band slips over rubber drum; tightening the screw or nut on arbor expands the drum to hold band securely in place. 1/8" shank fits rotary tools, flex shafts and drill presses. **\$14.95** See our website for sanding band refills.

Q. #83165 Radial Bristle Disk Set Embedded with 3M Cubitron™ and aluminum oxide grains, these radial bristle disks clean, deburr, sand and polish hard-to-reach intricate or flat areas on wood, metal, plastic or ceramics. 38-piece set includes 3/4" diameter disks in 80, 220, 400, 6 micron and 1 micron grits, plus pumice grit and 2 mandrels. **\$54.95**



Versatile 100-piece Accessory Set is an Amazing Value!



1/8" and 3/32" shanks

Includes an assortment of cutters, grinding stones, brushes, mandrels, sanding drums, cut-off wheels, reinforced abrasive disks, sanding bands, buffing tips, wheels and more, all contained in a finished wooden organizer/storage case. A great value!

#83097 100-piece Accessory Set
Value \$69.45 ... Our Price **\$19.95**

#85589 Wood case only **\$9.95**

Emery Cutting Wheels

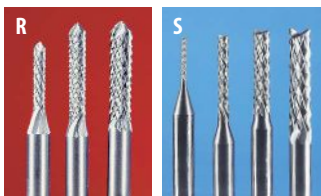


For cutting off metal rods, tubes, music wire and other hardened steel. 15/16" dia.

#38249X2 72 pieces/pkg. **\$9.95/pkg.**

#14142X2 Mandrels for above (2) **\$4.95**

Carbide Router Drills & Bits



R. Carbide Router Drills These unique tools let you cut any shape in wood, plastic, glass, ceramic, aluminum, brass, fiberglass and almost any material except hard steel. Use for enlarging and shaping holes, scroll cutting, smoothing. Cuts its own starting hole and any shape in any direction tool is moved. 1/8" shank fits in any rotary tool. Made of solid carbide for 30 times longer life than steel.

#60717 1/16" Cutting Diameter **\$13.95**

#60718 3/32" Cutting Diameter **\$13.95**

#60719 1/8" Cutting Diameter **\$13.95**

#60795 Set of all 3 Router Drills **\$38.95**

S. Fish Tail Carbide Router Bits cut smooth, flat bottom holes in wood, hard plastic and fiberglass. 1/8" shanks make them ideal for use in the Dremel router or shaper attachment (available separately). Can also be used in a drill press. Diamond pattern milled into side lets you smooth or shape edges of thin wood. 1-1/2" long.

#80245 1/32" Cutting Diameter **\$13.95**

#80246 1/16" Cutting Diameter **\$13.95**

#80247 3/32" Cutting Diameter **\$13.95**

#80248 1/8" Cutting Diameter **\$13.95**

#80254 Set of all 4 Fish Tail Bits **\$39.95**



Dremel Rotary Tool, #82546 Quick-Jaw Vise and #83239 Drill Bit Set are shown attached but are not included.

Dremel Workstation

- Workstation combines a drill press, rotary tool holder and flex shaft machine in one space-saving attachment.
- Headstock rotates for angle drilling; holds rotary tool at angle for sanding and shaping.
- 6" square metal work surface, 4" throat, 6" clearance under collet, slotted table.
- Column extends to 29" high for flex shaft use.
- Includes calibrated depth stop and storage system for accessories.

See our website for a rotary tool compatibility chart

T. #83453 Dremel Workstation
List \$61.06 ... Our Price **\$47.95**

U. #83239 Workstation Drill Bit Set includes 1/32, 3/64, 1/16, 5/64, 3/32, 7/64 and 1/8 inch drill bits, plus plastic index. **\$9.95**

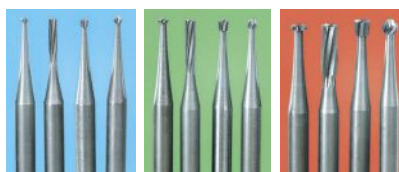
V. #82546 Quick-Jaw Vise Spring action spindle latch holds work tightly or releases in an instant. Jaws are 2-3/4" wide x 1" deep. One jaw has horizontal "V" grooves to hold round stock. 2-1/4" capacity. **\$29.95**



#84611X2 Diamond Cut-Off Wheel with Mandrel Large 1-5/8" diameter 80 grit diamond-coated cut-off wheel slices through hard materials quickly and easily. Includes special 1/8" shank mandrel for use with all brands of rotary tools and flex shafts, plus foam-lined storage case. 2-pack. **\$11.45**

High Speed Steel Micro Cutters

\$9.95/set



#60474

#60475

#60476

These small high speed steel engraving cutters are ideal for power engraving intricate details in wood, fiber, plastic and soft metals. 3/32" shanks fit Dremel and other high speed rotary tools. Sets of 4.

#60474 Approx.
1/32" dia. head

#60475 Approx.
3/64" dia. head

#60476 Approx.
1/16" dia. head

Rotary Tool Chucks Make Bit Changes Easy



#15264



#60301

#15264

Universal 3-jaw Chuck
1/8" shank fits all brands.
1/64" to 1/8" capacity.
\$19.95

#60301

Micro Drill Chuck
1/8" shank. #61 (.039") to #80 (.0135") capacity.
Closes to 0.
\$9.95

Use above chucks up to 10,000 rpm.

MicroLux® Heavy Duty Flex Shaft Machine

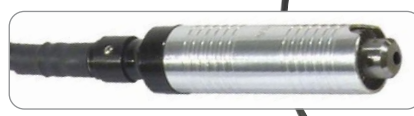
Designed and engineered for professional and serious craftsmen. Gives you much more power than standard rotary tools and other flexible shaft machines. Includes pendant-style 1/4 horsepower ball bearing motor with metal housing; electronic foot pedal to control speed from 500 to 22,000 rpm; #30 style ball-bearing handpiece with 5/32" (4 mm) capacity key-type chuck; and durable 40" long flexible shaft. 56" long line cord plugs into 120VAC wall socket.

#85288 MicroLux® Flex Shaft Machine
List \$169.95 ... Our Price **\$79.95**

Flex Shaft Stand

- Adjusts from 24" to 45" high.
- Bolts to any work table.

#85143 Flex Shaft Stand
List \$38.50 ... Our Price **\$27.95**



Includes motor, 40" flexible shaft, foot pedal, handpiece and chuck key

#85288

#85143 Stand sold separately.

Convert your Rotary Tool into a Flexible Shaft Machine

- Screws directly to end of rotary tool.
- Provides fingertip control.
- 36" long with 1/2" dia. ball-bearing handpiece.

See our website for a rotary tool compatibility chart

#50352 Dremel Flexible Shaft
List \$43.12 ... Our Price **\$34.95**

Protect Yourself

Heavy duty screw-on plastic shield provides a clear view of your work while protecting you from sparks and other debris while cutting, grinding, etc.

#87404 Rotary Tool Shield
\$11.45

Tool and saw not included.

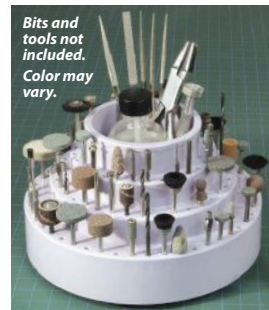


A New Spin on Rotary Tool Bit Holders

A Micro-Mark Exclusive!

Our rotary bit holder has 114 holes that neatly store your tool bits in full view for easy identification. Ball-bearing base lets you quickly spin to the tool bit you need.

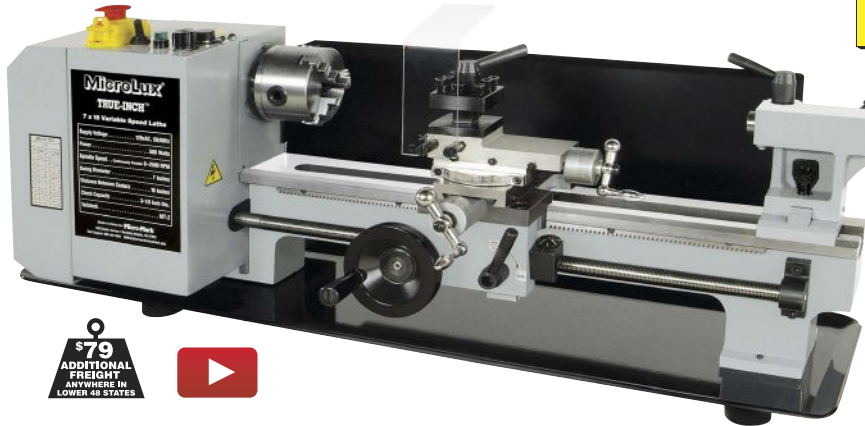
#84285 Rotary Bit Holder
List \$21.60
Our Price **\$17.95**



Bits and tools not included. Color may vary.

MicroLux® High-Precision Heavy-Duty 7 x 16 Lathe and R8 Mini Milling Machine... The ONLY "True Inch™" Machines on the Market!

Feature-packed design and robust construction make the MicroLux® 7 x 16 Lathe and R8 Miniature Milling Machine well-suited for your most demanding turning and machining projects. Powerful 500W (2/3 hp) variable-speed brushless motors with ultra-quiet belt-driven spindles provide the muscle, versatility and smooth operation required to create fine finishes on all machinable metals including carbon steel, stainless steel, cast iron, aluminum, brass, copper, bronze, and nickel-silver, plus non-metals such as wood and plastic. Careful workmanship and features including hardened and accurately finished main spindles supported by high precision centripetal roller bearings give you high dimensional accuracy and long life. For operating convenience, we've equipped both machines with .050 inch-per-turn "True Inch" table feed screws and dials...no tedious metric conversions required. And, with the optional accessories available separately, these machines will perform virtually any task you'll ever need. See our website for complete specifications.



TRUE-INCH™
Micro-Mark



\$79
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES



\$84
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES

Lathe features include: Super rigid, heat-treated cast-iron bed with precision-ground V-ways • Carriage power feed • Reversing switch for bi-directional automatic feed and thread cutting • Zero-resettable handwheels • Four-position tool post • Cam-lock tailstock • Packed in sub-assemblies for safe, easy transport.

#84631 MicroLux® 7x16 Lathe includes:

3-jaw self-centering chuck with inside/outside jaws and wrench, compound slide with 5/8" capacity four-position tool post and chip deflector, MT2 dead center for tailstock, carriage power feed with change-gear set for threading, thread position indicator, splash guard, chip tray, tool set and instruction manual/parts diagram.

List \$1,499.95 ... Our Price **\$1,099.95***

Milling Machine features include: Super rigid, heat-treated cast-iron base, column and headstock with precision-ground V-ways • Tilting column for angle milling/drilling • .050" per turn table feed screws with zero-resettable dials • Powerful adjustable-speed motor with feedback-sensing power boost circuitry • Lever-actuated spring-assisted headstock.

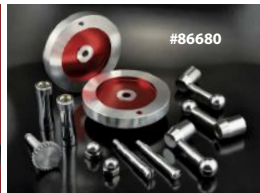
#84630 MicroLux® R8 Miniature Milling Machine includes: 1/2" drill chuck and drawbar, table locks, column lock and drill stop, power supply with feedback-sensing power boost circuitry, V-way chip guards, chuck/collet chip guard, indicator scales for the X and Z directions, fine-adjust knob for the Z direction, safety cut-off switch, wrench set and instruction manual/parts diagram.

List \$1,695.95 ... Our Price **\$1,099.95***

MicroLux® 7 x 16 H^{OT}ROD Lathe Super Value Package



\$81
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES



#86680



#86681

#88175 Micro-Make™ Hotrod Lathe Super Value Package includes #84631 MicroLux® 7 x 16 Mini Lathe, #84692 Digital Speed Readout, #86680 Lever & Handwheel Kit and #86681 Metal Gear Kit. List \$1,559.80 ... **Super Buy \$1,299.95***

#86680 Handwheel & Lever Kit Chrome-plated levers and anodized aluminum handwheels add gleaming shine and a blast of color, giving your MicroLux® machine the look of a hotrod in about 30 minutes. Plus, they feel as good as they look! **\$79.95**

#86681 Metal Gear Kit A superb upgrade to your MicroLux® Lathe. Replace your stock plastic gears with strong, dependable metal parts. A must for the professional and committed hobbyist alike. Never worry about downtime due to broken gears. Includes 80-tooth gears for power feed. **\$129.95**

#84692 Digital Speed Readout for 7 x 16 Lathe and R8 Milling Machine includes magnetic base. Plugs into control panel to display spindle speed in RPM. **\$199.95**



#84692

MicroLux® R8 Milling Machine Accessories

#87348 Super Duty Power Feed

Saves laborious hand cranking and feeds table at uniform rate to produce fine milled finishes. Electronic circuitry controls table speed from 0 to 20" per minute in both directions to automatically power off motor at end of run. Includes adjustable limit stops and clutch mechanism to disengage motor for easy hand-cranking of the table. Motor/clutch assembly mounts directly to the left end of the mill table. Limit switch assembly requires 6 holes to be drilled and tapped on back of mill table. Designed for use with MicroLux® Milling Machine. **\$399.95**



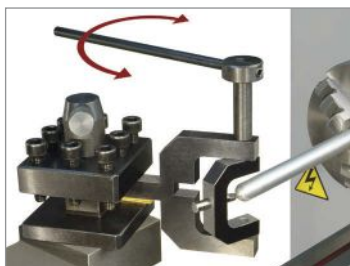
#87923 Digital Rotary Table can be mounted horizontally or vertically to the milling table for machining a wide variety of precision parts. One revolution of the handwheel rotates the 4" diameter table 5". Table has rotational accuracy of 10 seconds (0.0027"). Digital readout unit can be set to display in degrees and minutes or in decimal degrees. Readout resolution: 1 minute (0.0166"). Table has a MT2 hole and includes an adapter plate for mounting our #82512 3-jaw lathe chuck and #82505 4-jaw lathe chuck (sold separately). For use with MicroLux® Milling Machine. **\$365.95**

See more Lathe and Milling Machine Accessories on the following pages

Most Popular Lathe Accessories

#84900 Deluxe Starter Tooling Set for 7 x 16 Lathe
Includes

#82501 Cutters,
#82766 Cut-Off Tool,
#31114 Center Drills,
#82507 Tailstock Chuck,
#82509 Ball Bearing
Center, #82506
Quick Change Tool Post.
List \$256.70 ... Our Price **\$224.95**



#84833 Radius Turning Tool turns a radius or cuts a ball-shape up to 3/4" diameter on the end of a workpiece. Includes high speed steel tool bit. Made of blackened steel.
List \$87.50 ... Our Price **\$59.95**

#84834X2 Extra Tool Bits (2) **\$9.95**

Use the
Radius Tool
to make these
shapes:



#83185 MT2 Live Center Set with 7 Tips Ball bearing-equipped mandrel with MT2 shank installs in lathe tailstock. Rotates with the workpiece while supporting it during turning operations. Includes 7 interchangeable tips – 5 point centers in 4 sizes for center-drilled shafts, a cup center for pointed shafts or small diameter rods, and a cone for pipe – plus knock out pin and beautifully finished, compartmented wood storage box. **\$109.95**

#83164 Rotating 3-jaw Live Tailstock Chuck spins on smooth, sealed bearing to support small diameter stock while turning in the lathe. Use when there is insufficient room for follower rest. MT2 shank. Includes chuck key. 1/2" capacity. **\$69.95**



#82505 4-Jaw Independent Chuck
Allows turning off-center or holding irregular parts. Body dia. = 3.150". Internal jaws clamping range = .196 to 1.378". External jaws clamping range = 1.378 to 3.150". Approx. 7/8" diameter thru-hole. **\$99.95**

#86679 Carriage Stop provides adjustable stop for multi-pass turning. Speeds-up machining process and helps to lock carriage in position for facing cuts. Locking lever allows quick tool-less adjustment. **\$29.95**



#82507 Tailstock Chuck MT2 shank. Holds drills 1/32" to 1/2" diameter. Includes key. **\$49.95**



#82502 Face Plate bolts to lathe headstock spindle using bolts from 3-jaw chuck. 6-1/4" diameter. **\$39.95**



#82501 Carbide Cutters 11-piece set with 5/16" square shanks. **\$69.95**

Most Popular Milling Machine Accessories



For Lathes
& Mills!

ER Collet Sets for Milling Machines and Lathes have a wide gripping range (about .040") and provide a fast, easy and accurate way of holding tooling. When used in a lathe, they hold stock more accurately and have a better grip than chucks, and thin-wall tubes can be gripped without distortion. They're quick to set up and can be used at high speed. Our ER collet sets include a precision ground shank and "snap-in" collets with compression nut and spanner for easy tightening. Includes wood case.

Set #	Price	Type	Shank	Drawbar Hole
#84699	\$149.95	ER25	MT3 (Lathe)	M12 x 1.75
Includes collet sizes: 3/64, 3/32, 1/8, 3/16, 7/32, 1/4, 5/16, 11/32, 3/8, 13/32, 7/16, 1/2, 17/32, 9/16, 5/8				
#84700	\$139.95	ER25	R8 (Milling Machine)	7/16-20
Includes collet sizes: 3/64, 3/32, 1/8, 3/16, 7/32, 1/4, 5/16, 11/32, 3/8, 13/32, 7/16, 1/2, 17/32, 9/16, 5/8				



#87469



#83383

#87469 2" Self-Centering Machinist's Vise This 360°-rotating, self-centering vise features an adjustable gib to control side-play in the movement of the jaws, a removable handle that slides off for quick and easy repositioning, and 2" wide steel jaws that open to 2-1/16" to accommodate a wide variety of projects. Best of all, your workpiece will always be precisely aligned, thanks to the vise's unique self-centering design. 1/2" thick base includes 3/8" wide x 1/2" long slots at each end for mounting, either to T-slots on machine tool tables, or to a workbench. List \$199.95 ... Our Price **\$179.95**

#83383 Two-Way Vise for Milling Machine and Drill Press Mounts to milling machine or drill press table. Rotates 360 degrees and inclines from 0 to 90 degrees to mill or drill at any angle in-between. 2" wide x 1" deep jaws open 1-7/8". Height at 0 incline is 3-5/8". Includes engraved markings for degrees of incline and rotation. **\$169.95**



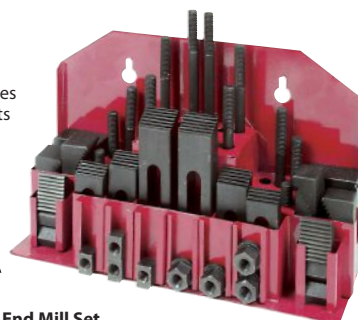
#84644 Precision 1-2-3 Blocks (1"x2"x3") are case hardened on all sides to 55-60 Rc and ground parallel, flat and square within 0.0003". They have 5 tapped holes (3/8-16) and 18 untapped holes so they can be bolted together in pairs to form custom sizes, angle plates, V-blocks, etc. Set includes 2 matched blocks. **\$29.95** per set

#82578 42-piece Clamping Set Includes 12 studs, 6 pairs of step blocks, 4 tee nuts (for 12 mm wide slots), 4 flange nuts, 4 coupling nuts and 6 hold-down bars, plus easy-access storage rack. **\$84.95***



\$12
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES

#82576 8-piece End Mill Set (Single End) Includes eight center cut, 2-flute end mills in the following sizes: 1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 9/16 and 5/8 inch. **\$69.95**



#82283 3-piece Countersink Set

High-speed steel, six-flute design makes smooth 82° countersinks for flush mounting flat head screws in wood, plastic, aluminum, brass and soft steel. 3-piece set includes 3/16", 1/4" and 3/8" dia. with 3/16" and 1/4" shanks. **\$22.95**



More Lathe and Milling Machine Accessories *Check tool holder capacity and shank size before ordering. User provides mounting hardware.*



#83371 Self-Centering 4-Jaw Chuck with 5/8" dia. bore. Body dia. = 3.150". Internal jaws clamping range = .079 to .866". Internal jaws jamming range = .984 to 2.756". External jaws clamping range = .866 to 2.480". Includes internal and external jaws, plus key. **\$144.95**



#82512 Self-Centering 3-Jaw Chuck Body dia. = 3.150". Internal jaws clamping range = .079 to .866". Internal jaws jamming range = .984 to 2.756". External jaws clamping range = .866 to 2.480". Approx. 5/8" dia. thru-hole. **\$139.95**



#83266 Larger Capacity Self-Centering 3-Jaw Chuck with 7/8" dia. bore allows full use of hole through Microlux® Lathe spindle. Body dia. = 3.937". Internal jaws clamping range = .078 to 1.181". Internal jaws jamming range = 1.181 to 3.543". External jaws clamping range = 1.181 to 3.150". **\$169.95**



#82757 Eight-Piece HSS Mini Tool Bit Set includes 8 different pre-shaped high-speed steel 1/4" square shank lathe tool bits that turn, thread, groove, bore and cut-off. 2-1/2" long. **\$44.95**



#82761 Eight-Piece HSS Micro Tool Bit Set includes 8 different pre-shaped high-speed steel 1/8" square shank lathe tool bits that turn, thread, groove, bore and cut-off. 2-3/8" long. **\$39.95**



#82511 Cutter Set includes 3 double ended tool bits for turning, facing, threading and parting, adapter for 6 mm (.236") square tool bits, and angled holder for 4.8 mm x 8 mm (3/16" x 5/16") rectangular bits. List \$99.95... Our Price **\$69.95**



#82766 Jumbo Cut-Off Tool and Holder Super sharp 1/2" high blade for heavy duty cutting-off of large diameter stock. 3/8" tool holder with black oxide finish fits lathe tool post. Blade is 4-1/2" long x 3/32" wide. *Note: Must be used with #82506 Quick Change Tool Post.* **\$29.95**

#82753 Micro Cut-Off Tool Holder with Blade includes 1/16" wide x 3/16" high x 2-1/2" long pre-sharpened HSS cut-off blade and hex wrench. 5/16" square shank. Black oxide finish. 3" long. **\$11.95**



#82754 Extra Cut-Off Blade **\$7.95**



#82734 Milling Attachment for Mini Lathes bolts to top of cross slide to hold stock while milling with a cutter mounted in the headstock. Moves 3-1/2" vertically. Rotates on the cross slide pivot. Tilts up to 50° left or right of vertical. Heavy duty 2-5/8" wide vise holds workpieces up to 2" high. 16 tpi lead screw. Includes adjustable gibs and lock lever. Cast iron and steel with molded handwheel. **\$299.95***



#82506 Quick Change Tool Post Mounting base with dovetail lock and three adjustable holders (3/8" capacity) let you preset tool bits to the perfect cutting height without shimming. Makes tool bit changes quick and easy. **\$124.95**

#82574 Extra Tool Holders (Set of 3) **\$69.95**



#82689 Rocker Tool Post lets you adjust position of tool bit to exact center of workpiece without shimming. Compensates for worn or resharpened cutting tools. Double-sided to hold two bits. Indexes on compound rest. 5/8" capacity. **\$49.95**

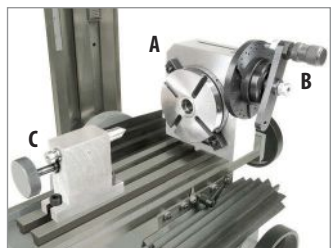


#82503 Steady Rest clamps onto bed to support long stock up to 1" in diameter. **\$59.95**

#82504 Follower Rest bolts to carriage. Follows cutting tool to prevent deflection of thin stock. **\$49.95**



#82570 Tool Rest & Spur Driver for Lathe Tool rest mounts to tool post for use with wood turning tools. Includes MT3 spur driver for headstock. **\$59.95**



A. — C. Rotary Table, Dividing Plate & Tailstock Set Buy these 3 precision milling tools together at a money-saving combo price. Set includes:

A. Rotary Table 4" diameter. One revolution of the handwheel rotates the table 5°. Allows you to create an incredible variety of precision parts. Table has MT2 hole. Includes adapter plate to mount the #82512 3-Jaw Chuck and #82505 4-Jaw Chuck. T-slot size = 5/16". See web site for full specifications.

B. Dividing Plate Replaces the handwheel on the rotary table. Accurately rotates stock a set number of degrees. Examples: for milling teeth on a gear, flats on a nut, or drilling equally spaced holes.

C. Tailstock Supports the end of a shaft when the rotary table is placed vertically on the machine table.

#82795 Rotary Table, Dividing Plate & Tailstock Set **\$479.95***

Each item available separately. See #82792, #82793 and #82794 at micromark.com



#82577 Quick-Lock Milling Vise bolts directly to top of milling table. Jaws are 4" wide x 7/8" deep and open 3-1/8". Overall height 2-5/8". Made of machined steel. **\$99.95**

6-piece End Mill Sets Double end, center cut, 3/8" shank. Sets include 1/8, 5/32, 3/16, 1/4, 5/16 and 3/8 inch end mills. 3/8" length of cut.

#84633 6-piece End Mill Set, 2-flute for milling aluminum and brass. **\$49.95**

#84634 6-piece End Mill Set, 4-flute for milling steel. **\$49.95**



#83413 20-piece Parallel Set Includes 10 pairs of 1/8" x 6" bars, from 1/2" to 1-5/8" high (for larger vises) in 1/8" increments, plus compartmented molded case. Color may vary. List \$69.95... Our Price **\$59.95**



#84753 Over/Under Chucking Reamer Set Includes .001" undersize reamers for press-fit and .001" oversize reamers for sliding-fit of pins and shafts. Nominal sizes 1/8, 3/16, 1/4, 5/16, 3/8, 7/16 and 1/2 inch...14 high speed steel reamers in all, plus vinyl storage case. List \$129.95... Our Price **\$109.95**

Boring Head Use to machine a pre-drilled hole or inside wall of a cylinder to final size (up to 3" dia.) and finish. Head offsets up to .625" and holds 1/2" shank boring tools sold below. Includes adjuster dial with .001" graduations and 2 wrenches. **\$99.95 each**

#83379 Boring Head with R8 shank (fits Microlux® #84630 Milling Machine)

#84685 Boring Head with straight 1/2" shank



#82765 Carbide Tipped Boring Tool Set for use with boring heads sold above. Includes 9 different sizes in tip lengths from 3/4" to 3" with 1/2" shanks and nicely finished wood storage rack. **\$44.95**

See Additional Lathe and Milling Accessories Online!



#86678 Knurling Tool produces a fine (0.8 mm pitch) diamond-pattern knurl on stock up to 2" (50 mm) in diameter. 13 mm mounting bar fits the stock tool post of MicroLux® Mini Lathe and many other machines. Tool is adjustable for various diameter workpieces and is designed to absorb the stress of the knurling operation without putting additional strain on your lathe. **\$59.95**



#82771 Diamond Pattern Knurling Tool Raises a series of crossed, angled ridges in a diamond pattern on workpieces and shafts, making decorative finishes and/or slip-proof grips. Pivoting head assures equal pressure of both wheels on workpiece. Dual 3/4" dia. x 5/16" wide wheels; 1/2" square x 4" long black oxide steel shank. **\$19.95**



#82743 Mini Cut-Off and Boring Bar Set includes extra-sharp 3/8" high x 1/16" wide high speed steel cut-off blade with 3/8" holder, plus 3/8" dia. carbide-tipped boring tool bit (makes cuts inside a cylinder) and 1/2" square holder. Note: Mini Cut-Off holder fits #82689 Rocker Tool Post (sold separately) and standard tool post provided with our #84631 7x16 Lathe. Not for use with #82506 Quick Change Tool Post. **\$49.95**



#82768 3-piece Fly Cutter Set Used in the milling machine to cut a large flat surface on a piece of stock. Includes 3 black oxide steel holders: 3/4", 1-1/8" and 1-3/8" diameter, 3 ready-to-sharpen tool blanks, and wood storage rack. 1/2" shanks. **\$29.95**

#82769 Set of 3 Fly Cutter Tool Blanks (one for each holder) **\$9.95**

#14255 Precision Ground V Blocks

V Blocks are the best way to hold round tubing or bar stock securely for milling, cutting, grinding, drilling and filing. Fine quality hardened tool steel is milled and polished on all 6 sides, making a perfectly matched set with all sides square to each other. Holds stock up to 1" dia. Blocks are approximately 1-1/4" square x 1-5/8" long. Set includes two V Blocks and two clamps. **\$49.95**

Keep Your Cool While You Work

#83338 MicroFlow™ Coolant System Compressor-less system directs a very fine stream of lubricating coolant only where the cutter meets the workpiece. Includes 4 liter heavy-duty tank with self-contained low-voltage pump and on/off switch, magnetic base with adjustable nozzle holder, 3 nozzles to adjust flow rate and 32' of tubing. Use with oil-less synthetic coolants only (see below). **\$59.95**

#83340 MicroFlow™ Coolant & Lubricant 16 ounce concentrate makes up to 4 gallons when mixed with water. **\$9.95**



#82284 Center Drill Set Drills properly contoured holes so workpiece can be mounted between centers. Four-piece set includes nos. 1, 2, 3 and 4. **\$19.95**



#82883 Grinder Attachment for Mini Lathe bolts to top of cross slide of mini lathes to grind stock smooth while turning in the headstock. 1/3 hp motor turns grinding wheels 6,000 rpm; plugs into 120VAC wall outlet. Includes two 3-1/8" dia. x 3/8" wide grinding wheels. **\$199.95***

Replacement Grinding Wheels – \$22.95 ea.

#82961 Wheel for workpieces (pink, 60/80 grit)

#82962 Wheel for tool bits (green, 60/80 grit)



#84843 Indexable Tool Holder Set Five 6 mm (.235") square x 2-1/2" long blackened steel shanks fit MicroLux® and other mini lathe tool holders. Triangular carbide inserts with 1/64" radius cutting tips index to 3 positions to restore the cutting edge when needed. Grade PC300 TiN-TiC-TiN coated for cutting at higher speeds and with greater lubricity. Includes 5 cutting angles: 2 left, 2 right, and 1 center, plus T8 wrench for retaining screws. **\$59.95**

#84844 5-piece Replacement Insert Set **\$39.95**

**High-Precision Miniature Digital Level Measures Exact Angles of Machine Tool Set Ups**

Carpenter levels are just too large and inaccurate for machine set-up. So, we encased our high precision digital level in a compact housing that's only 2" square by 1" deep. At the press of a button, the large LCD reads the relative angle between machine surfaces or the percent grade from sea level. Magnets embedded in the housing attach it securely to cast-iron/steel surfaces for hands-free measurement. Range: 0 to 45°/100%. Readability: 0.05°/0.01%. Hold button remembers last reading. Housing made from durable CNC-machined, satin-finish alloy. Includes 9V battery and auto shut-off battery saver.

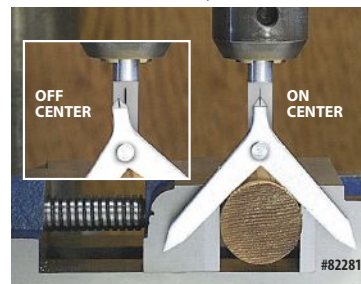
#84519 Digital Level. List \$64.95 ... Our Price **\$49.95**

**Indicators Locate Drill and Mill Chucks Exactly On Center**

Never drill off-center holes again! Our Center Finders quickly and easily position drill press and mill chucks directly above the exact center of a round workpiece. Indicator amplifies the slightest misalignment so you can adjust before drilling. **Choose size below.**

NEW! #89326 Mini Center Finder, 1/4" dia. x 7/8" long shank. **\$11.95**
Fits MicroLux® Drill Presses!

#82281 Center Finder, 3/8" dia. x 1-1/2" long shank.
List \$17.95 ... Our Price **\$14.95**



#83291 Machine Stand Supports machines weighing up to 400 lbs. at a comfortable working height of 35". Adjustable feet provide stability on uneven floors. 14" x 31" composite wood top with honey-color veneer includes pull out shelf for holding tools while you work. Frame and legs have rust-resistant black powder coat finish. No light weight...this stand weighs a hefty 29 lbs. Shipped unassembled. **\$124.95***



#86548 Lighted Magnifier with Magnetic Base Industrial-quality lighted magnifier has magnetic base that securely attaches to machine tool table, machine frame or steel workbench. Push-button activated ring of battery-powered LEDs provides the light you need to see your workpiece through the crystal-clear 3-1/4" diameter magnifying lens. Main magnification: 4x plus 3/4" diameter 8x spot viewer. 9" long flexible metal arm holds lens right where you want it. Bonus: Includes a double-duty 8" x 2" steel center-finder ruler/protractor that also provides a base for the magnifier. Batteries included. **\$44.95**



#85594 High Intensity LED Worklight Includes 3-mode switch for high beam, low beam and flash. Light is housed in a compact aluminum body with 1x2000 zoom fisheye lens. Includes a detachable 8" flexible arm with a super-strong – 40 lbs. of pull – magnetic base. Worklight is ideal for use on the steel work tables of machine tools, automotive applications and other magnetic surfaces. Includes 3-cell AAA battery. **\$39.95**

Cordless Power Tools from Proxxon...

Four Tools – One System!

These 10.8V Lithium-Ion-driven power tools give you greater versatility for situations where cords can get in the way and/or outlets are not available. Each tool features a variable speed control and specially balanced DC motor which is powerful, quiet and durable. The Micromot battery system is thoughtfully designed so the same battery and charger is used for all four tools. These precision workhorses run for up to 30 minutes on a single charge, even at maximum power. **Each tool includes a battery, rapid charger and sturdy storage/carry case.**

#89257 Cordless Belt Sander BS/A

Light, compact and user-friendly, this unit makes sanding, smoothing and shaping in tight spaces faster and easier than ever. Ideal for use with plastic, wood and metal, this unique tool is ideal for model building, sculpting, finishing, tool and die making and more. Use it for sanding and grinding in tight places, finishing molds, grooving, deburring, smoothing and chamfering of precision parts. Head rotates through 60° with the push of a button. Includes suction connection with vacuum adapter to remove dust while working and four sanding belts: two each 80 and 180 grit. Belts are 13" x 13/32". Order extras below. **\$275.00**

Extra Sanding Belts, Set of 5 - \$5.40/set

#89261 80 grit

#89262 120 grit

#89263 180 grit

#89286 Silicon Carbide Sanding Belts for glass, ceramic, brass, steel and cast iron.

180 grit.

Set of 5.

\$6.95



Unimat 6-in-1 MetalLine Modular Power Tool System

Unimat is a professional-quality production powerhouse, packing the functionality of a horizontal metal-turning lathe, vertical milling/drilling machine, horizontal mill, center drilling machine, benchtop and hand-held disk sander and hand drill into one incredible system which takes up less than 18" of workspace and weighs under 15 lbs.! Unimat is the ideal tool system for model builders, miniature crafters and all other makers for its compact size, robust construction and exceptional features.

See our website for full description of features, specifications and capacities of each tool configuration.

#88037 Unimat 6-in-1 MetalLine Modular Power Tool System includes machine bed (271 mm + 140 mm), 12V motor, 12V safety adapter, headstock, tailstock, 2 cross slides (90 mm), longitudinal slide (200 mm), metal intermediate pieces, metal-3 jaw chuck, 10 precision collets (1 mm to 6 mm), stabilization plates, steel face plate, stabilizing angle and precision live center. List \$899.00... Our Price **\$749.95**

#89257

#89260

#89258

#89259

#89260 Professional Rotary Tool IBS/A

Running at speeds from 7000 to 23000 rpm and weighing only 1-1/2 lbs., this versatile, hard-working tool produces an exceptional power to weight ratio. Streamlined die-cast aluminum head provides a stable housing for the ground steel spindle. Precision double ball bearing assembly keeps bits spinning straight and true with a maximum runout of only .001". Use it for drilling, milling, grinding, polishing, engraving, cleaning, cutting and more. Includes six steel collets from 1/32" to 1/8", 20 mm collar for holding tool in optional drill stand, plus a set of 34 accessories (image below). Compatible with many rotary tool accessories. **\$235.00**



#88509 Micromot Tool Clamp for stationary use of Proxxon hand-held tools, including the Rotary Tool and Angle Polisher.

Must be clamped in a bench vise for use. **\$10.95**



#89258 Cordless Long Neck Angle Grinder LHW/A

Packing power and efficiency into a light and easy-to-control tool, this handy unit is the best alternative to heavy, bulky pneumatic tools. Use this versatile tool for grinding, deburring, roughing and finishing steel, non-ferrous metal, glass, ceramics, wood and plastic. Also great for paint and rust removal, cutting small items and sharpening. Fits into spaces where other tools can't go and handles tough jobs with ease. Includes 60 grit corundum grinding disk, 100 grit fan sander and reinforced cutting disk. **\$255.00**

Grinding & Sanding Accessories

#89104 Backing Disk for Angle Grinder 50 mm dia. (2"), hook-and-loop **\$6.95**

#89287 Flap Disk for Angle Grinder 100 grit, aluminum oxide **\$7.95**

#89288 Corundum Bound Cut-Off Wheel for Angle Grinder 60 grit **\$11.95**

#89289 Grinding Disk for Angle Grinder 60 grit, corundum **\$4.95**

#89290 Grinding Disk for Angle Grinder 60 grit, silicon carbide **\$4.95**

Corundum Sanding Disks with Hook-and-Loop Backing \$5.95/pkg. of 12

#89291 50 mm (2"), 80 grit

#89292 50 mm (2"), 150 grit

Sanding Fleece Disks with Hook-and-Loop Backing \$8.95/pkg. of 5

#89293 50 mm (2"), medium

#89294 50 mm (2"), fine

#89259 Cordless Angle Polisher WP/A

This tool is a proven winner for finishing and polishing a wide variety of surfaces and materials, and now even more versatile in cordless form. Easy to handle and maneuver with exceptional control even in tight spaces, this tool is ideal for cleaning, removing rust, finishing painted and varnished pieces, and of course, polishing. Includes rubber backing disk with hook-and-loop fastening system, medium hard polishing sponge, lambswool polishing disk, medium hard polishing felt for metal and non-ferrous metal, twelve 2000 grit sanding disks, 75 ml Nigrin polishing emulsion and microfiber cloth. **\$279.00**

Polishing & Sanding Accessories

#89110 Polishing Set includes 80 mm (3.15") extension and 30 mm (1.2") backing pad, twelve each 1,000 and 2,500 grit wave-edged sanding disks, and one each soft, medium and hard conical polishing sponges. **\$39.95**

Conical Sanding Sponges, 50 mm (2"), \$8.95 each

#89111 Soft

#89112 Medium

#89113 Hard

Wave-Edge Sanding Disks, 50 mm (2"), Pack of 12, \$5.95/pack

#89107 400 grit

#89108 1000 grit

#89109 2000 grit

#89105 Lambswool Polishing Disk \$8.95

#89106 Polishing Felt \$7.95



Cushioned Sanders for Rotary Tools, Flex Shafts, Drills & More

Cushioned Sanders are just the right size for smoothing contours with delicate control, even inside bowls, gourds, model ship hulls and more...and the flexible, semi-soft abrasive mount conforms to and glides over rounded surfaces instead of digging into them. Also great for smoothing lathe-turned workpieces to perfection. Hook-and-loop fastening system makes abrasive disk swaps quick, clean and easy (disks sold separately).

#86926 1" Cushioned Sander; 1/8" Shank **\$11.95**

#86925 1" Cushioned Sander; 1/4" Shank **\$11.95**

#86924 2" Cushioned Sander; 1/4" Shank **\$12.95**

#86930 1" Abrasive Disks; 80 Grit **\$10.95**

#86931 1" Abrasive Disks; 120 Grit **\$10.95**

#86932 1" Abrasive Disks; 220 Grit **\$10.95**

#86927 2" Abrasive Disks; 80 Grit **\$10.95**

#86928 2" Abrasive Disks; 120 Grit **\$10.95**

#86929 2" Abrasive Disks; 220 Grit **\$10.95**

Precision-Engineered Proxxon Tools are World-Renowned for Quality Construction and Value

#88512 Micro Mill MF 70 The unit is supplied with a stable base of cast iron. Both vertical column and compound table are of treated, high quality aluminum. All axes are play-free and have adjustable slides. The headstock, made of die-cast aluminum, houses the 24 pole balanced special motor and provides stability even at high operating speeds. This stability facilitates the use of the finest cutters. Six triple slit, hardened Micromot steel collets come with the machine and cover shank sizes of 1/32", 1/16", 5/64", 3/32", 7/64" and 1/8" (1.0, 1.5, 2.0, 2.35, 3.0, 3.2 mm). The table is fitted with three T-slots of the 15/32" x 15/64" x 13/64" (12 x 6 x 5 mm) Micromot-norm. An adjustable ruler scale eases the positioning of the workpiece. All handwheels are zero adjustable with 1 revolution = 1/32" (1.0 mm), 1 division = .002" (0.05 mm). **\$399.95**

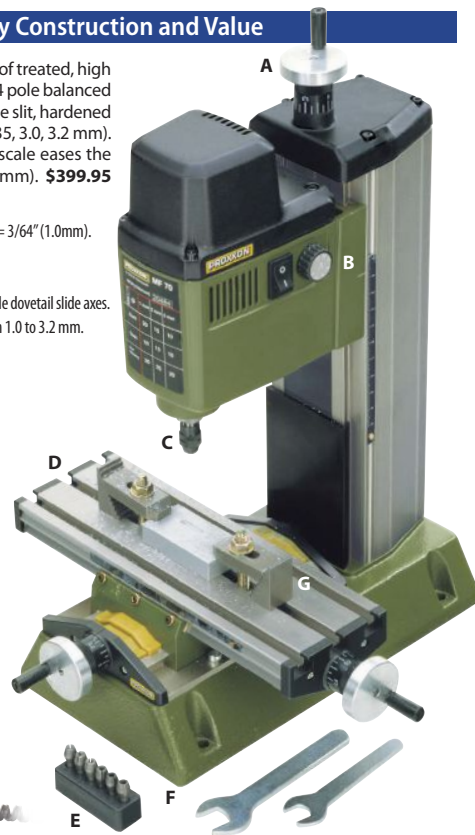
Specifications

Speed 5,000 – 20,000 rpm
Table Size 7-7/8" x 2-3/4" (200 x 70 mm)
X-Y Travel 5-17/64" and 1-13/16" (134 & 46 mm)
Vertical Travel 2-3/4" (70 mm)

Footprint 5-7/64" x 8-55/64" (130 x 225 mm)
Height 13-25/64" (340 mm)
Max. Power 1/8 hp (100W)
Volts 110 – 120VAC, 60Hz
Weight 15.5 lb. (7 kg)

Features

- A.** Hand wheels with zero adjustable scales: 1 revolution = 3/64" (1.0mm).
- B.** Continuously variable speeds from 5,000 – 20,000 rpm
- C.** Cutter clamping in Micromot system collets.
- D.** Aluminum KT 70 MICRO Compound Table with adjustable dovetail slide axes.
- E.** Micromot Steel Collet Set, triple slit and hardened, from 1.0 to 3.2 mm.
- F.** Stable cast iron base.
- G.** Supplied complete with steel stepped clamp blocks.



#88511 Hot Wire Cutter Thermocut 115/E Ideal for architects, designers, decorators, artists and teachers. For building architectural models and prototypes as well as classic model railroad, plane and boat items. 15-11/32" x 11" table ensures smooth and easy movement of the workpiece, while the printed grid and protractor assist with marking and cutting. Solid aluminum overarm has a 13-3/4" throat and 5-1/2" height. The holder and included wire coil (98' x 0.008" diameter) may be shifted and adjusted along the overarm to enable miter cutting. A LED indicates operation and thus reminds you not to touch the hot wire to prevent burnt fingers (the wire heats to maximum in less than 1 second). **\$169.95**

#88504 Hand-held Hot Wire Cutter Thermocut 12/E Great for freehand cutting in thick styrofoam for diorama and model railroad construction. Stable frame with pivotal fixture at the top and extendable lower wire fixture. Maximum extension: 7.9"; maximum workpiece height: 5.9". Variable cutting wire temperature control. Heat up time is 1 second. Includes 5 shapable cutting wires. **\$51.95**

REQUIRES #88515 Transformer below. Tool will NOT operate without it.

**#88515 Micromot AC Adapter NG 2/5**

12V adapter powers hand-held Proxxon tools, including #88504 above. Plugs into standard household outlet. Features polarized socket for Micromot plug, LED readiness indicator, tool holder and heat-resistant housing. **\$34.95**



#88514 Angle Polisher WP/E Features include quiet planetary gear drive in die-cast aluminum housing and continuously variable speed control for constant speeds even during high contact pressure. Balanced motor is powerful and long-lasting. Includes stylish case, rubber backing disk with hook and loop fastening system, polishing sponge (medium hard), lambswool polishing disk, polishing felt for metals and non-ferrous metals (medium hard), 12 K 2000 sanding disks, Nigrin polishing emulsion (75 ml) and a microfiber cloth. **\$164.95**

Polishing and Sanding Accessories

#89110 Polishing Set includes 80 mm (3.15") extension and 30 mm (1.2") backing pad, twelve each 1,000 and 2,500 grit wave-edged sanding disks, and one each soft, medium and hard conical polishing sponges. **\$39.95**

Conical Sanding Sponges, 50 mm (2"), \$8.95 each

#89111 Soft #89112 Medium #89113 Hard

Wave-Edge Sanding Disks, 50 mm (2"), Pack of 12, \$5.95/pack

#89107 400 grit #89108 1000 grit #89109 2000 grit

#89105 Lambswool Polishing Disk \$8.95 #89106 Polishing Felt \$7.95

#88509 Micromot Tool Clamp for stationary use of Micromot hand-held tools, including the Angle Polisher and Rotary Tool. Note: Must be clamped in a bench vise for use. **\$10.95**

**#88513 Professional Rotary Tool Set IBS/E**

This high-revving tool has variable full-wave electronic speed control capable of producing 5,000 to 20,000 rpm and is usable for extended periods of time without failure. Features include an exceptional power to weight ratio, streamlined die-cast aluminum head and ground steel spindle. Ball bearing assembly minimizes play (max. runout 0.001"). Set includes 6 collets: 1/32", 1/16", 5/64", 3/32", 7/64" and 1/8" (1.0, 1.5, 2.0, 2.4, 3.0 and 3.2 mm), collet nut, a selection of 34 industrial quality bits and cutters with 3/32" (2.3 mm) shanks and premium storage/carry case. **\$134.95**

#88510 Micromot Drill Stand MB 200

Gear rack and pinion feed with return spring allows effortless and sensitive operation. Enables bevelled drilling and versatile milling operations. Max. travel: 18". 4/5" collar holds Micromot tools, including #88513. 5-1/2" throat capacity. Vise sold separately. **\$109.95**

#88506 Machine Vise MS 4

Die-cast zinc with 3 machined sides. Slot fits the adjustable fence of the #88510 Drill Stand. Jaw width 2"; 2/5" high. Max. clamping width 1-11/32". **\$21.95**



SHERLINE PRODUCTS

Micro-Mark is proud to welcome the return of made-in-the-USA Sherline Products to our machine tool offering!

Sherline tools are used throughout the world in every application from industry and production to hobbyists and model makers; wherever there is a need for small, high-quality, precision-machined parts in metal, plastic and wood, you'll find Sherline tools. Designed to be operated by any craftsman with a "common sense" knowledge of mechanics, the skills of an experienced machinist are not required to get started and achieve great results. And, no matter how your interests may change or grow in the future, Sherline tools will adapt to suit your needs.

Unless you are replacing an existing Sherline machine, most machinists new to the hobby have an immediate need for a selection of key accessories including chucks, holding fixtures and cutting tools in order to set up shop and start making things. Purchasing these essential accessories as a package with the machine offers two significant advantages: first, we make it easy to identify exactly what you need by pre-selecting the most important items for you; second, we are able to offer each machine package at a money-saving price as compared to buying all the items individually. It's a win/win!

Sherline Ultimate Machine Shop Packages...

Set up a complete mini machine shop with just one purchase!

#88652 Sherline 6280 NexGen Ultimate Machine Shop Package includes: Sherline 5800 Series Milling Machine and all of its standard equipment; Sherline 4400 Series 3.5" x 17" Lathe and all of its standard equipment; additional milling accessories including step block hold-down set; fly cutter; boring head; 3-piece mill collet set with drawbolt; boring tool (5/16" min. hole, 1" max. depth); 1/4" drill chuck and key with #1 morse arbor and drawbolt; 3/8" end mill holder; milling vise; 4" manual rotary table; tilting angle table; 6-piece 3/8" shank double-ended, 2-flute end mill set; additional lathe accessories including 3.1" 3-jaw self-centering chuck; 3/8" drill chuck with key; #0 and #1 Morse arbors and drawbolt; steady rest; live center; rear-mount cut-off tool and holder; 3-piece 1/4" HSS cutting tool set (rh, lh, boring); plus additional accessories including Sherline 5/32" hex T-driver; 3-piece center drill set; safety glasses and Sherline Accessories Shop Guide instruction book. **\$3,833.00**

**\$42
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES**

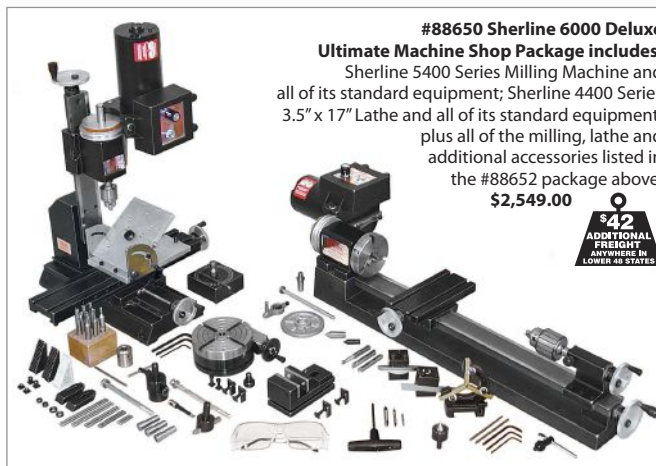


#88650 Sherline 6000 Deluxe Ultimate Machine Shop Package includes:

Sherline 5400 Series Milling Machine and all of its standard equipment; Sherline 4400 Series 3.5" x 17" Lathe and all of its standard equipment; plus all of the milling, lathe and additional accessories listed in the #88652 package above.

\$2,549.00

**\$42
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES**



#88651 Sherline 6200 8-Direction Ultimate Machine Shop Package includes:

Sherline 2000 Series Milling Machine and all of its standard equipment; Sherline 4400 Series 3.5" x 17" Lathe and all of its standard equipment; plus all of the milling, lathe and additional accessories listed in the #88652 package above.

\$2,833.00

**\$42
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES**



See our website for additional information and specifications.

Like its full-size counterparts, Sherline Lathes will perform all the operations you would expect, including turning, facing, boring, drilling, reaming, polishing and cutting tapers and threads with precision and ease.

#88653 Sherline 4400 Series 3.5" x 17" Lathe Package
\$1,035.00



#88654 Sherline 5400 Series Deluxe Vertical Milling Machine Package
\$1,102.00



#88656 Sherline 2000 Series 8-Direction Vertical Milling Machine Package
\$1,329.00



#88655 Sherline 5800 Series NexGen Vertical Milling Machine Package
\$2,329.00



MicroLux® Drill Presses Are Just the Right Size with Just the Right Features for All Small Drilling Projects

Features include: Changeable speeds to accommodate various materials • Rugged cast metal housing • No-flex solid steel column • Precision 3-jaw chuck and key • Ball bearing spindle assures low vibration, high accuracy and long life • Calibrated depth control with positive stop • High-torque motor plugs into standard 120VAC outlet • Quick release handle lets you adjust chuck-to-base distance instantly • Cast metal base with machined surface keeps your work square and true and takes up minimal workbench space.

MicroLux® Heavy Duty Drill Press with Variable Speed Control and Digital Depthfinder

- Spindle travel: 1-9/16" • Chuck to base distance: 8"
- Center of chuck to front of column: 6-1/2" • Column diameter: 1.181" • Chuck capacity: 1/64" to 1/4"
- Drive: 2-step pulley with 150W variable speed motor
- Base size: 6-1/2" x 10-13/16" • Spindle: 0 to 3600 rpm; 0 to 5000 rpm; JT1 taper (male) • Headstock and base construction: cast iron • Digital depthfinder with re-zero indicates spindle movement in inches or mm
- Dial speed control with PWM for high torque at low speed
- Weight: 27 lbs.; Height: 16"

#82959
MicroLux®
Heavy Duty
Variable Speed
Drill Press **ONLY**
List \$419.95
Our Price **\$299.95***

\$22
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES

#87728
MicroLux® Heavy Duty
Variable Speed Drill Press
Super Value Package

MicroLux® Standard Duty 3-speed Mini Drill Press

#88537 MicroLux®
Variable Speed Mini Drill
Press Super Value Package

- High quality... Made in Japan
- Spindle travel: 1-1/4"
- Chuck to base distance: 7"
- Center of chuck to front of column: 5-1/2"
- Column dia: .787"
- Chuck capacity: 1/64" to 1/4"
- Spindle speeds: 2100, 4500, and 6500 rpm
- Spindle: 3/8-24 male
- Drive system: 3-step pulley with 90 watt constant speed motor
- Base size: 5" x 9"; Height: 14"
- Headstock and base construction: cast aluminum
- Weight: 8 lbs.

#81631 MicroLux® Standard Duty 3-speed Mini Drill Press ONLY. List \$269.95 Our Price **\$199.95**
#15117 Extra Drive Belt for above \$9.95

MicroLux® Heavy Duty Variable Speed Drill Press Super Value Package

Package includes: #82959 MicroLux® Heavy Duty Variable Speed Drill Press with Depthfinder • #88421 60-piece High Speed Steel Drill Bit Set • #82546 Quick Jaw Vise • #10101 Machinist's Center Punch.

#87728 MicroLux® Heavy Duty Variable Speed Drill Press Super Value Package. Value \$379.95 **Super Buy \$334.95***

#87728K Variable Speed Drill Press Accessory Value Package includes the drill bit set, vise and center punch from the set above, minus the drill press. Value \$79.85 **Super Buy \$55.95**

**Use our website shopping cart to calculate freight charge for shipments outside 48 contiguous U.S., or call our order line for assistance.*

MicroLux® Variable Speed Mini Drill Press Super Value Package

This package transforms the MicroLux® Standard Duty 3-speed Mini Drill Press into a variable speed machine.

Package includes: #81631 MicroLux® Mini Drill Press • #88343 Table-top Speed Control • #15118 Drill Press Vise • #14143 8-Piece Drill Bit Set, 1/64" to 1/8". **#88537 V.S. Mini Drill Press Super Value Package.** Value \$374.95 **Super Buy \$299.95**

#88537K MicroLux® Variable Speed Mini Drill Press Accessory Value Package converts your existing #81631 MicroLux 3-Speed Standard Duty Mini Drill Press into a variable speed machine. Includes the 3 accessories from #88537, minus the Drill Press, for one great price. Value \$137.95 **Super Buy \$119.95**

Drill Press Vise



Grooved base fits on MicroLux® Standard Duty Drill Press sliding gauge, or mount with clamps to X-Y Table. Made of cast aluminum with easy grip plastic knob and steel screw. Jaws are 2" wide with grooves for holding round stock. Also has a handy anvil top with a cast-in hole for supporting micro size parts while drilling. Jaws open to 1-1/4".

#15118 Drill Press Vise \$29.95

X-Y Table Attachment Increases Drill Press Accuracy by 30 Times!

The MicroLux® X-Y Table Attachment increases the accuracy of hole locations to within .0005" of true position – 30 times better than "eyeball" center-punching! Table positioning is controlled in the X and Y directions by smooth-acting zero-adjustable handwheels. Adjustable gibs in dovetail guides maintain accuracy and eliminate side play even after many years of use, and special retractable covers keep the lead screws free of chips. Although designed specifically for both MicroLux® Drill Presses, our table attachment can be easily mounted to other machines. Includes sliding front scale, hold-down clamps, mounting hardware and template, and hardware for mounting the #15118 Vise (at left). Made of steel, aluminum and engineering polymers.

X Direction travel: 5-1/4"

Y Direction travel: 1-3/4"

Table size: 8-1/4" L x 2-3/4" D

Dial graduations: .001"; .050" per revolution

Base size: 3-3/4" x 5-1/2"

Overall size: 10-1/2" L x 7-1/2" D x 1-11/16" H

#82389 MicroLux® X-Y Table Attachment. List \$155.80 ... Our Price **\$99.95**

Step Clamp Set for X-Y Table



Step blocks and clamp bars adjust to the height you need to clamp workpieces to the #82389 X-Y Table Attachment shown above. See our website for details.

#84762 Step Clamp Set \$49.95



#86676



#86677



#86675

10-piece Carbide Drill Bit Sets These super sharp, longer-lasting bits cut cleaner holes – and do it fast – in a wide variety of materials. 1/8" shank. Plastic storage case included. List \$45.00 ea. Our Price **\$39.95 ea.**

#86676 10-piece Carbide Drill Bit Inch Set includes: 1/64, #75 (.021"), 1/32, #61 (.039"), 3/64, 1/16, 5/64, 3/32, 7/64 and 1/8.

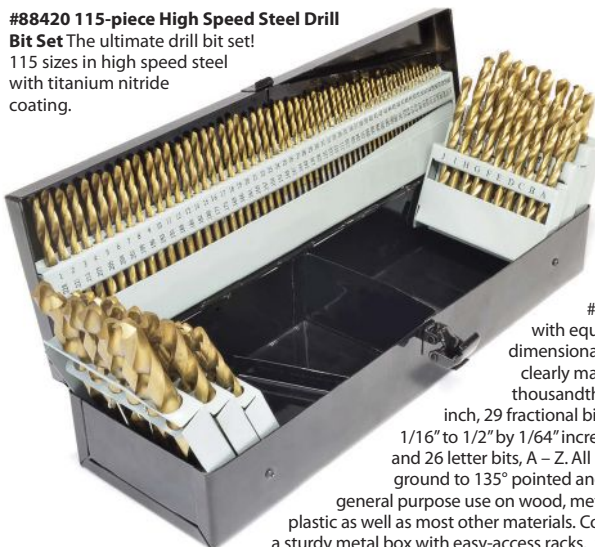
#86677 10-piece Carbide Drill Bit Metric Set includes: .5, .6, .7, .8, .9, 1.0, 1.5, 2.0, 2.5, 3.0 mm.

#86675 10-piece HSS Metric Drill Bit Set with 3/32" shanks: .7, .8, .9, 1.0, 1.4, 1.6, 1.8, 2.0, 2.2 mm. **\$29.95**

#88420 115-piece High Speed Steel Drill Bit Set

Bit Set The ultimate drill bit set!

115 sizes in high speed steel with titanium nitride coating.



Sizes: #1 – #60 with equivalent dimensional sizing clearly marked in thousandths of an inch, 29 fractional bits from 1/16" to 1/2" by 1/64" increments, and 26 letter bits, A – Z. All bits are ground to 135° pointed angles for general purpose use on wood, metal, and plastic as well as most other materials. Comes in a sturdy metal box with easy-access racks. **\$99.95**

**#88421 60-piece High Speed Steel Drill Bit Set**

The titanium nitride (TiN) coating on this 60-piece #1 – #60 high speed steel drill bit set ensures significantly cooler cutting temps. Bits will last 4 times longer than standard. 135° pointed angle grinds for general purpose use on wood, metal, plastic and more. Comes in a sturdy metal box with multi-tiered, easy-access rack. List \$40.00 ... Our Price **\$34.95**

#86372 50-piece Titanium Nitride (TiN) Coated Mini Drill Bit Set

Includes 10 each 1/16, 5/64, 3/32, 7/64 and 1/8 inch diameter high speed steel mini bits packaged in a compartmented plastic case. Use on wood, metal, plastic and more. List \$30.00 Our Price **\$24.95**

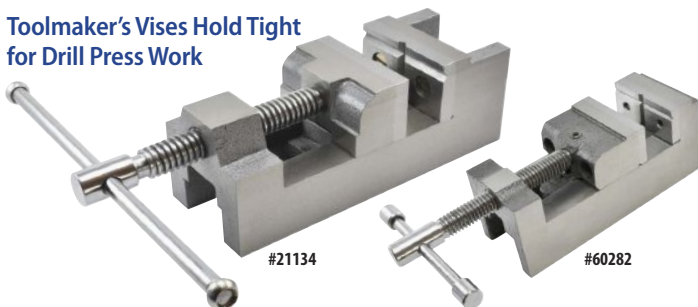
Hard-to-Find High Speed Steel Drill Bit Sets

#82727 This most-asked-for 20-piece set includes one each of #41 (.096") through #60 (.040") in a pouch that's numbered for easy identification. **\$24.95**

#14143 8-piece inch set includes one each 1/64", 1/32", 3/64", 1/16", 5/64", 3/32", 7/64" and 1/8". **\$12.95**

#60437 10-piece metric set includes 1 each .5 mm to 5 mm, in .5 mm increments. **\$14.95**

#82727

**Toolmaker's Vises Hold Tight for Drill Press Work**

#21134

#60282

Machinists and toolmakers always lock their work in a vise. Our vises are cast and ground tool steel. Both will stand flat on base or side and have vertical and horizontal V grooves in jaw faces for holding round stock. Heavy-duty, well-made tools for a lifetime of use.

#21134 Full-size model weighs over 5 lbs. Has 2-1/2" wide x 1-1/2" deep jaws, 2-1/2" capacity. List \$53.95 ... Our Price **\$49.95**

#60282 Mini model weighs 1-1/2 lbs. 1-7/16" wide x 7/8" deep jaws. 1-3/4" capacity. List \$44.75 ... Our Price **\$39.95**

**Automatic Center Punches Save Time, Increase Accuracy**

Excellent for creating a dimple in wood, plastic and metal to keep your drill bit from wandering. They're also used for marking, starting wood screws, perforating, embossing, simulating rivets and countersinking miniature nails. Just set variable pressure adjustment screw for light, medium or heavy stroke, press point against surface and the self-contained hammer mechanism automatically releases.

#10101 Machinist's Type Center Punch
Hardened and tempered point.
1/2" dia. x 5" long. **\$14.95**

#10102 Jeweler's Type Center Punch
Lightweight, pencil size with aluminum body, pocket clip and hardened steel point.
5/16" diameter x 5-1/2" long. **\$29.95**

Gentle Jaws Hold Parts Securely Without Marring

#80848

#89241

#89242

Non-marring jaw faces hold parts securely, yet gently, preventing damage to soft and delicate items. Magnets on the back side keep the jaws in place on steel and cast iron vises (like #21134, at left). Gentle Jaws are 3" wide. Sold in sets of 2.

#80848 Rubber-Lined Gentle Jaws, 3" wide x 1-1/4" tall. List \$19.95 Our Price **\$14.95**

#89241 Leather-Lined Gentle Jaws, 3" wide x 1-3/8" tall. **\$12.95**

#89242 Semi-Firm Foam-Lined Gentle Jaws, 3" wide x 1-3/8" tall. **\$12.95**

**#10123 Drill Bit and Screw Gauge**

Measures drill bits from #1 – #60. Includes decimal equivalents, tap, tap drill and body drill size chart for machine screw sizes from 2-56 – 1/4-28. Made of hardened and ground carbon steel. Overall size: 2-1/2" x 6-1/2". **\$19.95**

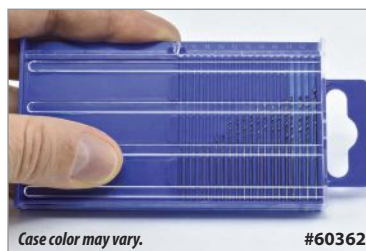
NEW!

#14521 Micro Drill Bit Gauge quickly identifies micro drill bits from no. 61 – no. 80. Easy-to-read markings indicate bit number and decimal inch size. Overall size: 3" x 1". High-quality hardened and ground carbon steel. **\$19.95**

Micro-Size Drill Bits in Sets or Six-Packs

Our drill bits are top quality high speed steel for use on wood, plastic and metal and will stay sharp far longer than ordinary carbon bits. Sets include 20 bits from #61 (.039") to #80 (.0135"). Six-packs include six same size bits in an envelope.

#60362 Micro Drill Bit Set with Plastic Index Sliding window holds bits securely, dispenses one at a time. List \$26.15 Our Price **\$21.95**
#26104 Micro Drill Bit Set with Steel Index Folding index features embossed I.D. for each bit. List \$24.95 ... Our Price **\$14.95**



Case color may vary.

#60362



Beware of Cheap Imitations!

#26104

Drill Bit Six-Packs* – \$7.95 each

*Six of the same size bit in an envelope

#15167 #61 (.039")	#15169 #63 (.037")	#15171 #65 (.035")	#15173 #67 (.032")	#15175 #69 (.0292")	#15177 #71 (.026")	#15179 #73 (.024")
#15168 #62 (.038")	#15170 #64 (.036")	#15172 #66 (.033")	#15174 #68 (.031")	#15176 #70 (.028")	#15178 #72 (.025")	#15180 #74 (.0225")

Drill Bit Six-Packs* – \$8.95 each

*Six of the same size bit in an envelope

#15181 #75 (.021")	#15182 #76 (.020")	#15183 #77 (.018")	#15184 #78 (.016")	#15185 #79 (.0145")	#15186 #80 (.0135")
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A. #21106 Heavy Duty Pin Vise for holding larger size drill bits, files, taps, etc. Plastic handle with keyless Jacobs type chuck holds all shanks from #72 (.025") through 1/4" dia. 6" long overall. **\$12.95**

B. #21105 Swivel Head Pin Vise with freewheeling head is especially suited for drilling and tapping. Nickel plated steel with two double ended collets: 0, 1/16, 3/32 and 1/8". 3-1/2" long overall. **\$11.95**

C. #80743 Ball Head Pin Vise Large freewheeling 1-1/4" dia. plastic head fits comfortably in your palm. Nickel-plated steel with four collets: 0, 1/16, 3/32 and 1/8". 3-1/2" long overall. **\$14.95**

D. #15116 High Precision Micro Pin Vise This exceptionally well-made Swiss tool holds micro-size drill bits from #61 (.039") through #80 (.0135"). Can be used by hand or locked in a drill press. Made of nickel plated solid brass. 2" long overall. **\$14.95**

E. #82110 Deluxe Pin Vise We've combined the comfort and ease of use of our Ball End Pin Vise with the convenience of our Universal Chuck to provide a tool that's sure to become one of your favorites. Holds all drills, taps and bits with shank diameters from 1/64" through 1/8". Includes four collets: 0, 1/16, 3/32 and 1/8". 4-3/4" long overall. List \$31.15 ... Our Price **\$27.95**

F. #21104 Double End Pin Vise with reversible steel collets in each end. Hex head prevents rolling on bench. Includes 4 collets: 0, 1/16, 3/32 and 1/8". Nickel plated brass. 4-1/8" long overall. **\$11.95**

G. #60348 Micro Drill for Delicate Hand Drilling Knurled ring slides up and down the spiral brass handle, causing the drill bit to turn. Drill holes in wood, plastic and thin brass in half the time as an ordinary pin vise. Swivel head lets you exert downward pressure while drilling. Steel chuck holds bits from no. 61 through 80. A nicely made tool and a worthwhile addition to any modeler's or miniaturist's workshop. 4" long overall. **\$12.95**

H. #82416 The Rogers Drill Bit Set...Preferred by Experienced Modelers Ultra-sharp high-speed steel drill bits, easy-to-read markings and convenient arrangement makes this set very popular with experienced modelers. Includes twenty bits (nos. 61 through 80), drill stand and clear plastic dome for safe storage. List \$36.00 ... Our Price **\$29.95**

Spiral Push Drill for Miniature Applications



Jeweler's drill operates by pushing the handle up and down along the spiral bar. Fast, easy, accurate and portable. Better than a pin vise for drilling multiple small holes in hard-to-reach places. Steel collets take sizes from 0" to .059" (#53). Approx. 7-1/2" long.

#26101 Spiral Push Drill \$24.95

Special Chucks Fit Cordless Screwdrivers for Slow Speed Drilling

Most drills and rotary tools spin too fast for working in plastic and for tiny detail work. These special chucks have 1/4" hex shanks that fit your slow turning cordless screwdrivers and cordless drills to solve this problem. Take advantage of the quick-change feature of the 1/4" shank...buy several chucks and keep your most-used drill bits ready to go.

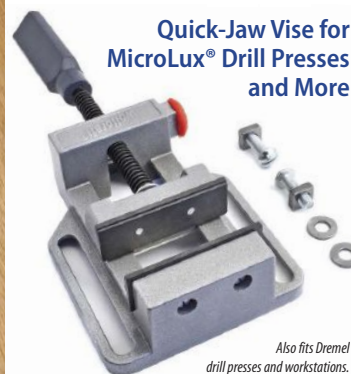
#82541 Precision Micro Chuck for Cordless Screwdriver. Holds drill bits from #60 to #80. **\$11.95**
3 or more **\$9.80 ea.**

#81852 Mini Chuck for Cordless Screwdriver. Holds drill bits from #59 to 1/8". **\$11.95**
3 or more **\$9.75 ea.**

Also works as an adapter for your oversized drill chuck, quickly converting it for precise drilling with micro size bits.



Use pin vises for holding drill bits, reamers, needle files, screws, taps, wires... even pins.



Also fits Dremel drill presses and workstations.

The slots in our vise and the mounting screws we provide let you position your work in almost any location. The spring action spindle latch holds work tightly or releases in an instant. Made of steel and cast aluminum. Jaws are 2-3/4" wide x 1" deep. One jaw has horizontal V grooves to hold round stock. 2-1/4" capacity; closes to 0. A great vise for a wide variety of uses.

#82546 Quick-Jaw Vise \$29.95

4-piece Machinist's Pin Vise Set



This well-made steel pin vise set features knurled no-slip grips and a black oxide finish to resist corrosion. Set holds drill bits and wire from 0 to 3/16". Handles are 3-1/2" to 4-1/4" long, 5/16" to 1/2" dia.

#81497 4-piece Pin Vise Set \$16.95

#82977 Right Angle Drive Attachment drills, drives, cuts and sands in places you otherwise couldn't reach. Length over chuck is only 5-1/2". Includes chuck key and screw-in handle for extra stability. **\$19.95**



Fits 3/8" and 1/2" power drills and screwdrivers

3/8" capacity chuck closes to 1/64"

#85711 French-Style Pin Vise Set Beautifully crafted set of six pin vises with straight-knurled brass barrels for superior grip. Square collet nuts keep them from rolling off your workbench. Lengths range from 3" to 5". Includes 12 steel collets to handle all sizes of drill bits and pins from 0 through .144" diameter. **\$24.95**



Finger Drills for Delicate, Precise Drilling of Small Holes



These drilling tools are ideal for those times when you need the maximum amount of control for drilling in wood and plastic. And since each drill has its own handle, you won't waste time changing bits the way you have to when using a pin vise. All bits are high speed steel mounted in knurled, no-slip aluminum handles.

#60931 Set of 4, #50 (.0700"), #52 (.0635"), #54 (.0550") and #56 (.0465") \$16.95

#60932 Set of 4, #58 (.0420"), #60 (.0400"), #62 (.0380") and #64 (.0360") \$16.95

#60933 Set of 4, #66 (.0330"), #68 (.0310"), #70 (.0280") and #72 (.0250") \$17.95

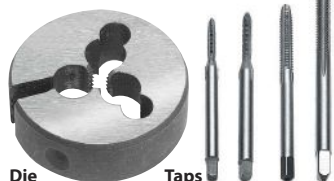
#60934 Set of 4, #74 (.0225"), #76 (.0200"), #78 (.0160") and #80 (.0135") \$18.95

#60935 Set of 4, 1/64", 1/32", 3/64", 1/16" \$18.95



**#14153
14-piece Tap and
Die Set** includes
tungsten steel taps
and 13/16" OD
(outside diameter)
adjustable dies in the
following sizes: 0-80,
1-72, 2-56, 3-48, 4-40
and 6-32, plus die
stock, tap handle
and clear-top plastic
storage box.
List \$135.50
Our Price **\$99.95**

Hard-to-Find Taps and Dies in Micro Miniature Sizes



Die **Taps**
Use these machine screw taps and dies for models, clocks, instruments, watches and business machines. Both taps (for putting threads in a hole made with tap drill) and dies (for putting threads on a rod) are high speed steel. Dies are 13/16" outside diameter and are adjustable for thread fit allowance. *See our website for individual taps and dies, tap drills and clearance drills.*

Tap Sets

**#87697 Four-piece Micro
Size Tap Set \$29.95**
00-90, 0-80, 1-72
and 2-56



**#21029 Five-piece Mini
Size Tap Set \$29.95**
2-56, 3-48, 4-40,
6-32 and 8-32

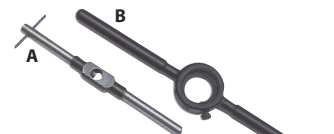


**#82327 Five-piece
Metric Tap Set
\$39.95**



M1.6x.35
M2.0x.40
M2.5x.45
M3.0x.50 and M4.0x.70

Tap and Die Wrenches



A. #20130 Tap Wrench \$6.95

**B. #14152 13/16" Die Stock (handle)
\$9.95**



When ultimate
precision is a requirement
for your micro-miniature
project, nothing beats the
accuracy of this premium
quality square-drive
00-90 HSS
H1 tap.
#86636T
List \$41.95
Our Price
\$19.95

*Tap wrench and hardware
available separately*

Ratchet Drive Tap Holder for More Control



Our ratchet action T handle tap holder
offers more control than conventional
holders, especially on smaller size taps. And
more control means fewer broken taps and
better threaded holes. Changes from left to
right to neutral at the flick of a lever. Made
of polished steel with hardened and
ground jaws. Holds square-head taps from
00-90 through 6-32.

#15126 Ratchet Drive Tap Holder \$20.95

The "Crab" Holds Odd-Shaped Parts



Individually
adjustable
pins grip
round and
odd-shaped parts while you work. Steel
"feet" located on the bottom surface can
be held in a vise while you drill, tap, grind
and file. Removable red plastic bushings
cover steel pins. Made of steel.

#86517 Crab Parts Holder \$17.95
2 or more **\$15.95 ea.**



Got Screws?

#87914
1,000-piece
Metric Micro Phillips
Screw Set **\$24.95**



#87362 MicroLux® Tapping Fixture holds taps perfectly square
to the base so threads are cut straight every time. The smooth
turning spindle and large knob provide the "feel" of hand tapping
needed to minimize breakage, and the cast iron base assures
stability for extra control. Precision chuck holds taps with shanks
1/64" to 1/4" diameter. Clearance under chuck: adjustable up to
5-1/2". Distance from center of chuck to front of column: 4-3/4".
Base includes 5/16" T-slots for mounting vises (#82546 Quick-Jaw
Vise, sold separately) and clamps. Tapping fixture can also be
used for hand-powered drilling and reaming, and is the perfect
drill press for plastic. **\$109.95***

**\$7
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES**

A Micro-Mark Exclusive!

NEW DESIGN FEATURES INCLUDE:
*Tighter tolerance bushings for higher
precision and greater accuracy,
more ergonomic tightening knob,
secondary column locking system
and on-board tool storage.*

The Finest, Most Versatile Vise You'll Ever Own

This professional-quality vise is the most
versatile you'll ever own! Tilt, turn, and
rotate Panavise to any position with
one turn of the control knob. 2-1/2"
wide jaws open to 2-1/4" and close to
zero. Includes replaceable satin-finish
nylon jaw liners. Vise head and base are
made from pressure-cast aluminum
alloy with steel and brass inserts.
Made in the USA.

#21123 Complete Panavise
List \$54.99 ... Our Price **\$49.95**

#21125 Extra Nylon Jaws \$4.95

#21124 Optional Steel Jaws \$12.95



Panavise Bench Clamp Mount

Lets you move your Panavise to different locations. Securely mounts to
edge of workbench, table or counter up to 3-1/2" thick. Mounting
screws included.

#21126 Bench Clamp Mount \$49.95

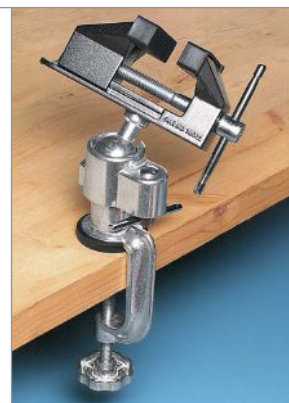


#21127 Panavise Wide Opening Head opens a full 6"
with jaw width of 1-3/4". Satin black oxide finish
greatly reduces glare. Reversible and replaceable
neoprene jaw pads have molded ribs for firm, yet
gentle holding power. Designed for use with #21123
Panavise or #82418 Panavise Base only (available
separately). **\$49.95**

A Good Quality All-Position Vise for Less Money

The head rotates 360° and also tilts from 0 to
90°, letting you position your work at the most
accessible angle. All movements are locked by
a single lever. The vise clamps to the edge
of your workbench (up to 2-1/8" thick) for
portability. Made of die-cast aluminum and
nickel-plated steel. Jaws are 3" wide, open
to 2" and feature slide-off rubber pads. Overall
height above workbench is 6-1/4" (in vertical
position). A great value compared to other
all-position vises.

#81314 All-Position Vise \$36.45



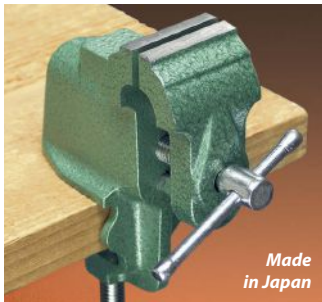
Precision Brass Mini Vise



Mini jeweler's vise holds small parts while
working in the hand or on the workbench.
Brass jaws are held in perfect alignment by
metal guide pins, and the fine-pitch adjust-
ment knob lets you dial in just the force you
need to grip parts securely. Grooves in the
jaw face hold round items in both horizontal
and vertical positions. Jaws are 1-1/2" wide;
open to 1-1/2". Closes to zero.

#83441 Brass Mini Vise \$19.95

Well-Made Miniature Machinist's Vise at an Economical Price



Made in Japan

Our clamp-on miniature machinist's vise holds all types of small components securely. Smooth jaws won't mar your work the way serrated-jaw vises can. Made of cast iron with machined jaw faces and twin guide rods to keep jaws parallel. Includes a handy anvil surface for hammering. Clamps to benches up to 1" thick. Jaws are 1-1/2" wide with 1-1/2" capacity.

#60297 Machinist's Vise \$34.95

Punch Accurate Holes in Plastic, Wood, Metal & More



Use our powerful hand punching tool to punch accurate round holes through all types of materials, from thin shim brass and plastic sheet through 16 gauge (.050" thick) mild steel. The adjustable edge guide lets you align holes in a straight line 1/4" to 1-1/2" from the edge of your workpiece. Includes seven quick-change, hardened punch-and-die sets in the following diameters: 3/32, 1/8, 5/32, 3/16, 7/32, 1/4 and 9/32 inch. Punch opens to 1/4"; throat depth: 1-3/4". Includes a molded plastic case for safe storage.

#81530 Power Punch Kit
List \$58.45 ... Our Price \$49.95

Economical Strip and Wire Bending Jig



A nice little tool for making bends in wire and metal strip stock. Steel pins are moved to different locations in the cast aluminum block depending on the shape you need. Includes triangular shape on one end for making bends less than 90° and a 1/2" radius shape on the other end for large smooth curves.

#60401 Wire/Strip Bending Jig \$11.95

Professional Quality Machine Forms Smooth Curves in Wood, Plastic and Metal



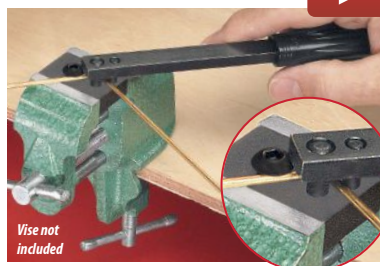
There's never been a better, easier-to-use tool for making perfect bends in ship model planking. Works on wood strips up to 2-1/4" wide and 1/8" thick...even plywood! But that's not all: It will also make smooth, no kink curves in plastic and metal strip stock and in 1/16", 3/32" and 1/8" tubing and soft wire. Simply set the rollers for the desired radius and turn the crank to feed and form the material. You can even create perfect radius curves in model railroad rail from N through O scales. Precision machined of aluminum with steel gears. Rollers are 1/2" diameter by 3" long.

#81356 Bending Machine
List \$199.95 ... Our Price \$149.95

Make Perfect Bends, Even in Hard Music Wire

Wire, rod and strip bender makes angles, loops, eyes, U, C and S shapes in brass, copper, and steel, quickly and easily. Even bends the hardest music wire up to 1/8" diameter. Made of steel with rust resistant black oxide finish and hardened radius pins. 7" long arm and rubber grip gives extra leverage for tough materials. Must be locked in a vise during use.

#60346 Wire, Rod and Strip Bender
\$29.95



Mini Bending Brake Produces Sharp, Clean Bends in Metal

A press bending brake for brass or other light sheet metals. Makes bends up to 90° (depending on how far you tighten the press screws). Will bend up to .020" half hard brass, 3" wide. Can also be used on plastic. Adjustable depth guide permits duplication of bend placement. Includes reversible steel die and instructions. A beautifully made tool. Overall size: 4" wide x 1-1/2" deep x 4" high.

#16101 Bending Brake \$59.95

Revolving Punch Cuts Perfect Holes

Revolving turret-head punch cuts easily through leather, plastic, canvas, cardboard...even thin wood veneers. Cuts 2 mm, 2.5 mm, 3 mm, 3.5 mm, 4 mm and 4.5 mm holes. Blackened steel with tempered steel punches, brass anvil and vinyl grip.

#82524 Hole Punch \$24.95



Jig for Precise Wire Forming

Intricate wire forms can be easily shaped with this jeweler's tool. The base has 326 holes drilled 1/4" apart on a diamond grid into which you place pins in the pattern you need. Wrap wire around these pins to make your wire form. 1/4" thick clear acrylic base lets you position a pattern underneath for easy pin placement. Includes 25 pins .078" diameter x 1" long. Base is 4" x 6".

#85135 Wire Forming Jig \$19.95

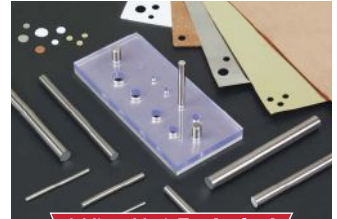
No-Kink Benders for Small Tubing

Make smooth, no-kink bends in small diameter tubing. 5-piece set bends 1/16", 3/32", 1/8", 5/32" and 3/16" outside diameters. Zinc plated steel.

#60360
Tubing Bender Set \$7.95



Micro Punch Set is Ideal for Making Mini Gauges, Lenses, Gaskets, Washers and More!



A Micro-Mark Exclusive!

Toolmaker-grade micro punch set makes perfect miniature disks from plastic, wood veneer, cloth - even metal! And it punches tiny holes in materials virtually impossible to drill: thin metal sheet, cork, rubber, vinyl, and more. Use it on pre-printed paper gauge-faces and clear acetate sheet to create the most realistic miniature instrument panels you've ever seen. Also makes custom size washers and miniature gaskets. Includes 9 precisely ground and hardened steel punches ranging from 1.0 mm (0.039") to 5.0 mm (0.197") dia. in 0.5 mm (0.0197") increments. Approx. overall size: 1-1/4" x 2-5/8".

#83513 Micro Punch Set \$59.95

Precision-Made Mini Mallet with Muscle



This is the kind of mallet a professional toolmaker would fabricate for himself. The fully-machined 4 oz head includes screw-on tips with 1/2" dia. brass and nylon inserts for no-mar hammering. Comfortably contoured hardwood handle is secured with a screw fastener for wobble-free accuracy. Excellent for use with the Punch Set above. 9" long.

#83434 Brass/Nylon Mallet
List \$24.75 ... Our Price \$18.95

#83435 Set of extra tips
(one brass; one nylon) \$7.95

Hardwood Chest Keeps Pliers and Other Micro Tools Close at Hand



Unique design allows you to store seven pliers in the space of two. The open tray and drawer will also hold dozens of other small tools or parts conveniently within reach. Made of sanded and lacquered hardwood with box joint corners and mahogany plywood dividers. Approx. 6" wide x 4" high x 8" deep.

#60284 Hardwood Plier/Tool Chest
List \$38.95 ... Our Price \$23.95

Resistance Soldering at an Affordable Price!

A Micro-Mark **Exclusive!**

Easy-to-use MicroLux® Resistance Soldering Unit generates heat only at the joint, so that already-soldered parts won't fall off while adding new ones. How it works: With the ground clip connected, place the carbon electrode on the tip of the handpiece in contact with the part to be soldered and step on the foot switch. The transformer passes a safe, low-voltage electrical current through the part, which heats it to soldering temperature within seconds. Apply the solder, then release the foot switch to instantly cool for a strong, durable joint. Includes 63 watt* transformer with dual power outputs for heavy- and light-weight parts, handpiece, 6 carbon electrodes, ground lead, on/off foot switch, and instructions.

Includes everything shown here!

#85522 MicroLux® Resistance Soldering Unit with Single Electrode Handpiece **\$169.95**

*Since a resistance soldering unit concentrates heat at the joint, it will heat larger work than will a conventional soldering iron of the same power.

#87726 MicroLux® Resistance Soldering Super Value Package includes soldering unit set, soldering tweezer, stand, Stay Brite silver solder and flux, 6"x6" soldering pad, T-pins and metal assortment (see page 10 for details). Value \$275.14 **Super Buy \$199.95**#87726K Resistance Soldering Accessory Value Package includes everything in the set above except the resistance soldering unit. Value \$105.19 **Super Buy \$84.95**

#86589 MicroLux® Soldering Tweezer holds tiny parts together while applying gentle isolated heat. Works great on a wide variety of materials. Designed for use at the low power setting of the MicroLux® Resistance Soldering Unit. **\$59.95**



#85824 Grounding Vise for Resistance Soldering Unit is the perfect "workstation" for resistance soldering. Universal vise with heavy, cast-iron base holds your workpiece securely while you solder. 3-foot long cable connects directly to your resistance soldering unit; eliminates the clip lead. Repositionable vise pins securely hold objects of any shape. Base diameter: 6". List \$99.95 Our Price **\$69.95**

The Easy Way to Unsolder



Place our desoldering braid in contact with the joint you want to unsolder and heat with your soldering iron. The flux-impregnated braid will quickly and safely draw the solder out of the joint. You can then separate and renew the joint easily. Works on mechanical assemblies and electronic circuitry. Supplied in a 0.100" wide x 25 foot-long roll.

#85289 Desoldering Braid **\$21.95**

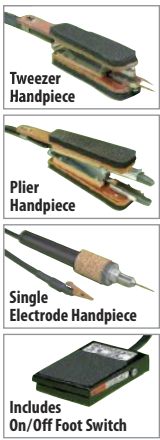
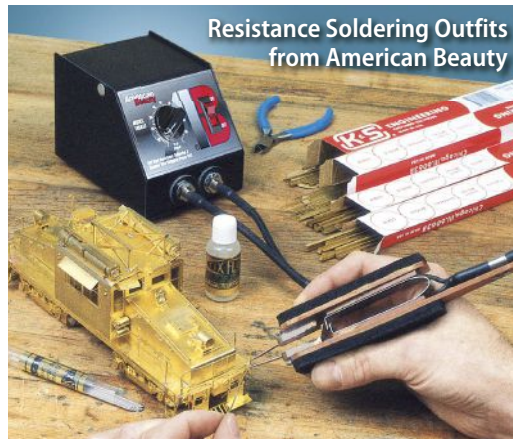
Stay-Brite™ Silver Solder

Stay-Brite™ premium silver solder works on all metals except aluminum (even stainless steel and cast iron). It flows freely and smoothly and has over twice the tensile strength of regular solder.

Melts and flows at only 430°F, providing strength without distortion. Includes a 1/2 oz coil of solder and 1/2 oz bottle of flux. Can be used with resistance soldering equipment, soldering iron or torch. Stay-Brite is lead free. (Ships by ground to 48 contiguous U.S. only.)

#80822 Stay-Brite Silver Solder **\$24.95**

Resistance Soldering Outfits from American Beauty



Includes On/Off Foot Switch

Use for soldering power feeds to model railroad track (the fast, pinpoint concentration of heat won't melt nearby plastic ties), brass trestle construction, turnout fabrication, rail joining, brass scratch-built items, ship model railings, fittings and more. Works on any material that can be soldered. Use the tweezer handpiece for delicate work: fine wire, chain, etched detail parts, railroad rail. The plier handpiece is for larger parts: castings, brass structural shapes, etc. American Beauty brand made in the USA to heavy-duty industrial standards.

Each set includes 120VAC* power supply, handpiece and foot switch

Item #	Power	Handpiece Type	List Price	Our Price
#85075A	100 watts	Single Electrode	\$525.00	\$439.95
#80417A	100 watts	Tweezer	\$540.00	\$439.95
#80462A	250 watts	Tweezer	\$640.00	\$499.95
#81561A	250 watts	Plier	\$675.00	\$499.95

*220VAC versions are available at www.micromark.com#80765 Tweezer Handpiece only with .078" diameter pointed electrodes **\$159.95**#80418 Extra Electrodes for Tweezer Handpiece (6) **\$24.95**#81527 Plier Handpiece only with 1/4" square shapable carbon electrodes **\$199.95**#81559 Extra Electrodes for Plier Handpiece (2) **\$29.95**#80419A Single Electrode Handpiece with 48" cord plus ground lead with clip and 60" cord. Use for applications that are not suitable for tweezer or plier use. Clip is attached to one part and electrode is touched to the other. **\$154.95**#80420 Extra Electrodes for Single Electrode Handpiece (6) **\$39.95**

Iso-Tip Cordless Soldering Iron

Now you can perform soldering operations away from your workbench without power cords that weigh you down or get tangled. Convenient recharging stand keeps your iron easy to reach, on constant charge and ready to solder. Recharges completely in 3 to 4-1/2 hours; a partially discharged battery returns to full capacity in less than one hour. Set includes cordless soldering iron, recharging stand, work light and "lock-off" switch, one fine tip (our #50314), 1 heavy duty tip (our #50315) and instruction booklet.

Power: 25 watts; maximum temperature: 900°F

#50313 Iso-Tip Cordless Soldering Iron **\$59.95**

Extra Soldering Tips - \$6.95 each

#50317 Micro Tip

#50314 Fine Tip

#50315 Heavy Duty Tip (high wattage)



#87467 3-in-1 Pen Torch You'll appreciate the precise control this mini torch gives you for delicate soldering jobs. The pin-point torch flame can be adjusted from 3/8" to over 1/2" in length and reach up to a maximum temperature of 2450°F. Includes a soldering attachment that converts your torch to a cordless soldering iron in seconds, with a tip temperature up to 750°F. Torch may also be converted to a Hot Air Blower. Burns up to 1 hour as a torch, 2 hours as a soldering iron. Torch is 7" long, (8-1/4" with soldering head attached) with 3/4" diameter barrel. Fills easily from a standard butane can (sold separately). List \$29.95 Price **\$24.95**

#60909 Butane Fuel, 42 grams (ground ship to 48 contiguous U.S. only) **\$5.95**

Torch includes integrated flip-down stand and soldering attachment with 2 pointed soldering heads.

Variable Temperature Electronic Soldering Station

This high-performance Weller Soldering Station does the work of a standard gun or iron without the high cost of an industrial-type soldering tool! You can vary the power from 5 to 40 watts (up to 900°F) to solder everything from fine electric wire to brass rod. Includes iron with cushioned foam grip and #81017 standard tip, on/off switch with power-on light, safety guard iron holder, and sponge pad for tip cleaning.

#81014 Soldering Station
List \$90.00 ... Our Price **\$79.95**

Soldering Iron Tips – \$9.95 each

#81015 1/32" Micro Tip **#81016** 1/16" Mini Tip **#81017** 1/8" Standard Tip

Variable Temperature Electronic Soldering Station – Economy Version

#84383 Economy version...all the features of the Weller unit at a low price. List \$39.95 ... Our Price **\$29.95**



#84384 Extra tips for economy model (pkg. of 3) **\$7.95**

#84385 Extra sponges for either model (package of 3) **\$5.95**



#84383

Soldering Tweezers with Built-in Stands Hold Wires for You



#85151

#88576

Self-closing tweezers include built-in 4-sided stands which hold workpieces and wires for you, elevating them above the benchtop or soldering pad and keeping both hands free for you to solder. Fiber handles protect your fingers from residual heat. Serrated steel tips open to 1". Overall length approx. 6-1/2". Use several tweezers and different combinations to hold parts in perfect alignment and just where you want them while soldering.

#85151 Soldering Tweezer with Stand **\$12.95** 2 or more **\$10.95 ea.**

#88576 Double Soldering Tweezer with Stand **A Micro-Mark Exclusive! \$20.95**

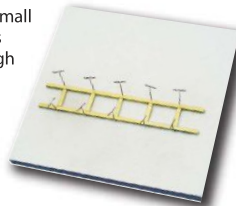
Ceramic Fiber Soldering Pads are perfect for keeping small components together as you solder. Half-inch thick pads withstand temperatures up to 2,280°F, yet are soft enough to accept our T-pins (sold below) to hold parts securely.

#70219 Soldering Pad, 6" x 6" **\$14.95**

#80751 Soldering Pad, 6" x 12" **\$19.95**

#70220 Soldering Pad, 12" x 12" **\$29.95**

#14318 T-pins, package of 50 **\$5.95**



#60664 Solder-It Soldering Paste Just apply a small amount from the convenient, no waste syringe and heat with soldering iron or torch. The paste bubbles away, leaving a clean, bright, hard joint that won't tarnish. Has over twice the tensile strength of regular solder. Flows smoothly at just 430°F. Solders all metals, except aluminum, zinc and pot metals (even solders stainless steel). Ideal for jewelry, models, autos, electrical connections and more. Contains no lead or corrosive materials. 7.1 grams. **\$11.95**



#60393 Cross-Locking Heat Sink Tweezer with Slotted Tips holds small diameter hook-up wire in place and draws heat away from the insulation so it won't melt. Keeps soldering jobs neat while preventing short circuits and burned fingers. A half-round slot milled in both jaws holds wire securely. Made of stainless steel with heat resistant grips. 6" long. **\$14.95**

A Micro-Mark Exclusive!

#87864 Splice-It-Easy Soldering Tweezer Specially designed tweezer is ideal for splicing wires faster, easier and cleaner than ever before. A simple one-handed pinch to lock or single thumb-flick to unlock is all it takes for this amazing "third hand" to do its job. Just locate your splice in the center of the 1/2" x 5/8" window and let the tool's serrated jaws and clever locking mechanism do the rest. Made of solder-resistant stainless steel. Holds stranded and solid wire from #28 to #18. Overall length: 8-1/8". List \$24.95 ... Our Price **\$18.95**



#87861 Heavy Duty Triangle Hemostat is twice the size of our light duty versions. 8-1/4" long with 5/8" head, serrated jaws and 3/8" x 1/2" window. Stainless steel. 3-step catch. List \$25.95 ... Our Price **\$23.95**



#87859 Adson Hemostat features an oblong thru-hole in the serrated jaws, great for lure-making and more. 2x the weight and 3x the clamping power of our light duty versions. List \$29.95 ... Our Price **\$19.95**



#87864

#87862 Clamping Thingamajig is 10" long and nearly 1/4 lb. of surgical stainless steel. Features a unique arched backbone with 60°, 2-1/4" long nose and grooved jaws. 12-step catch. This monster of a clamp is sure to be your go-to tool for all kinds of projects. **\$44.95**



Use these small, light duty hemostats as a super slim needle nose plier, clamp, heat sink, vise, etc. Quality box joint construction. Approx. 5" long. Serrated jaws. **\$10.95 ea.** 2 or more, same no., stainless only **\$9.50 ea.**

#21110 Straight Tip, stainless steel

#21111 Curved Tip, stainless steel

#88583 Straight Tip, titanium **\$14.95**

#88584 Curved Tip, titanium **\$15.95**

Tix – The Hardest Soft Solder on Earth

#17110 Tix Solder Easy flowing solder melts at only 275°F and yet has the holding power of 4,300 lbs. per square inch. Adheres to all solderable metals and works with soldering iron, gun or torch. Will not tarnish. The jeweler's choice for years. Package of twenty 3" long sticks. **\$18.95**



#17111X2 Tix Flux

Cleans and prepares metal for best solder adhesion. Works with any soft solder. Washes off with water. Note: Not for use with printed circuit boards. Two 1/2 oz bottles. **\$8.95**

#17112X2 Tix Anti-Flux

Prevents solder from flowing to unwanted areas. Brushes on easily. Two 1/2 oz bottles. **\$8.95**

A Micro-Mark Exclusive!

#89083 Tix Soldering Rack by MicroLux® is custom-made to hold two sets of Tix Soldering Sticks, Tix Flux and Tix Anti Flux (not included; available separately). Rack not only keeps Tix products neat and organized, it helps prevent the small bottles from tipping over during use. Rack measures 4-3/4" long x 3-3/4" deep; 2-1/4" high. Makes a great companion to our #88700 MicroLux® Paint Rack and #88879 MicroLux® Gluing Station (available separately). Assembly required. **\$14.99**



#60381 Soldering Iron Stand

Chrome-plated coils with a 3-1/4" x 5" enameled steel base. Fits our #17107 Soldering Iron/Knife and other soldering irons and pen-type torches with barrels up to 3/4" 5-1/2" high. **\$11.95**



General Purpose Solder Wire for Electronic and Model Assembly



Flux-coated for easy flow and maximum adhesion, and only 1 mm (.039") diameter for good control, this is the preferred solder for electronic assembly. Works for model assembly as well...especially on brass and copper. Alloy is 40% tin/60% lead...an economic alternative to higher tin alloys, and with a wide melting range of 361° - 460° F. Sold as a set of 3 rolls; total weight 300 grams (10.6 ounces).

#86295 Flux-coated Solder (300 g) \$19.95

Magiclasp Forceps for Delicate Work in Confined Areas



Magiclasp Forceps have a special in-line latching system and a petite outline that gives you perfect control over grasping, latching and releasing in tight locations (smooth tips are only 1/16" wide!). Made of satin stainless steel. 5-1/2" long x 3/8" wide with no-slip grips and integral leaf springs.

#82488 Magiclasp Forceps \$19.95

Third Hands Keeps Hands Free



#21120 Triple Grip Third Hand Used by jewelers, model builders, miniaturists and electronic hobbyists. Keeps your hands free for soldering, gluing and positioning while work is held firmly at any angle required. Has 3 alligator-type spring clamps mounted in ball joints for flexibility. Nickel plated steel with heavy iron base for no-tip stability. **\$9.95**

#84453 Lighted Third Hand with Magnifier includes 2 alligator-type spring clamps, 2-1/4" dia. 3x magnifier, and miniature goose-neck LED lamp. List \$23.00 ... Our Price **\$19.95**

Model Maker's "T" Pins



Used by model builders to hold parts together while soldering or gluing. Also handy for doll-house miniatures and all types of fabric crafts. "T" head makes pushing easy. Nickel-plated steel. 1-1/4" long x .035" dia. Package of 50 pins.

#14318 "T" Pins \$5.95

Scratch Brush Cleans Metal for Soldering



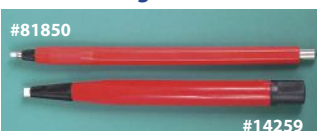
The Scratch Brush easily cleans away oxidation, dust and paint from brass, steel, copper, nickel silver and other solderable metals so that solder sticks properly. Retractable metal bristles adjust like a mechanical pencil so that Scratch Brush can reach where larger brushes can't.



#82466A Scratch Brush \$15.95

#82467 Brush Refills (3) \$5.95

Miniature Brushes Get into the Tightest Corners



Unusual brushes are excellent for removing rust and dirt from smallest parts and for scratching metal and glossy plastic for better solder and glue adhesion. Bristles feed out like a mechanical pencil.

#14258 Brass Bristle Brush \$11.95

#14259 Fiberglass Bristle Brush \$9.95

#14342 Two-piece Set, one each of above \$19.95

#14343 Brass Refills, 2/pkg. \$5.95

#14344 Fiberglass Refills, 2/pkg. \$5.95

#81850 Ultra Micro Fiberglass Brush \$9.95

#82027 Ultra Micro Fiberglass Refills, 12/pkg. \$12.95

BurnMaster® Hawk High Performance Wood Burning Set

Mastercarver's® set has all the essentials needed for quality wood burning. Set includes the Burnmaster® Hawk 1-Port wood burning power supply, pen patch cord / adapter set plus the Burnmaster® wood burning pen and full selection of 10-burning tips and can accept most any type of pen. Made in USA.

#88326 110V Burnmaster® Hawk, Pen and 10-Tips Set \$209.95

#88327 5-Tip Detail and Shading Set includes 5 unique and versatile wood burning tips not included with the Burnmaster standard 10 tip set. **\$59.95**



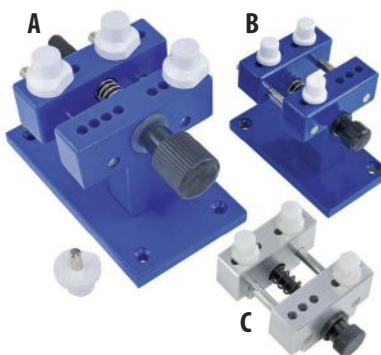
#86894 All-in-One Wood Burning, Hot Knife and Soldering Kit

Includes soldering tip, mini-flow point, flow point, cone tip, tapered tip, calligraphy tip, shading tip, universal metal point, mini-universal metal point, stencil tip, hot knife, stand and storage case. 25 watts; 110VAC. **\$22.95**

Toolmaker's Bench Block is Ideal for Model Work

A nicely made tool machined from a solid block of tool steel. The smooth surface supports your work and the nine holes (from 1/8" to 5/8") allow clearance for cutting tools and punches. Use for drilling, tapping, reaming, pin punching and more. Has a V groove across the top surface for holding round and odd shaped stock. 3" dia. x 1-3/8" high.

#80924 Toolmaker's Bench Block
List \$37.60 ... Our Price **\$29.95**



Mini Vises Hold Odd Shapes Gently, Yet Securely

A. #85939 Jumbo Mini Vise
Jaws: 2-1/2" wide x 1/2" deep;
1-1/2" capacity. 16 pin holes.
4-1/2" x 2-1/2" base with 4 holes.
\$23.95

B. #86816 Mini Vise
Jaws: 1-3/4" wide x 3/8" deep;
1" capacity. 12 pin holes. 3" x
1-1/2" base with 2 holes. **\$19.95**

C. #80769 Little Mini Vise
Jaws: 1-3/4" wide x 1/2" deep;
3/4" capacity. 12 pin holes.
\$14.95

Organize Your Workbench in Style



#86173 Benchtop Organizer

Nicely finished wood

cabinet has pockets, bins and drawers that hold tools, accessories, rotary bits, glue containers and small parts. Includes 2 rods for holding wire, ribbon, string and solder spools. A great complement to any work area. 18-1/2" long x 4-3/4" deep x 7-1/2" high. **\$49.95**



#88396 4-Piece Gripster Tool Set Press the top of these unique tools and 2, 3, 4 or 5 slim, stainless steel prongs emerge from the tip. Release pressure and the prongs close around the object, gripping it tightly. Set includes four Gripsters and fitted wood storage box. List \$29.95 ... Our Price **\$25.95**

Great for positioning, inserting and starting mini screws, nuts and other small parts.



Hold, grip and grab the widest variety of small items imaginable!

Tool Caddy Bag features a heavy canvas over a metal frame with center metal handle and ergonomic cushioned grip, 6 interior pockets, 8 segmented loop straps and roomy center section. Exterior includes hook-and-loop closure end pouch with storage sleeves, 12 tool pockets and shoulder strap. 13.2" x 8.7" x 9.8" high. Choose color below. **\$35.95 each**
#89434 Olive Green **#89434P Pink**

Reamers...Handy Tools for Enlarging and Deburring Holes in Any Material



#84455

Diamond reamer set in 4 different tapers includes comfortable-to-use wood handle with integral collet that holds 3.0 mm diameter shanks. Deburs and fine-tunes holes in even the hardest of materials. Handle is 5" long overall.

#84455 Diamond Reamer and Handle Set \$14.95



#84456

#84456 Gently-tapered diamond reamers with fine diamond grit are used with above handle for delicate control of reaming holes to size. Measures .032" dia. at tip; .072" dia. near shank. 2" long overall. Shank diameter 3.0 mm. Package of 10. **\$12.95**

Hard Wire and Cable Cutter Cuts Cleanly...Eliminates Frayed Ends

Sharp, hardened jaws and 15-to-1 leverage combine to produce a powerful shearing action that cleanly cuts music and spring wire up to 1/16" diameter and wire rope (control cable and picture-hanging wire) up to 3/16" diameter without frayed ends. Blackened steel handle has return spring and vinyl grips. 7-1/2" long.

#82477 Hard Wire Cutter \$19.95

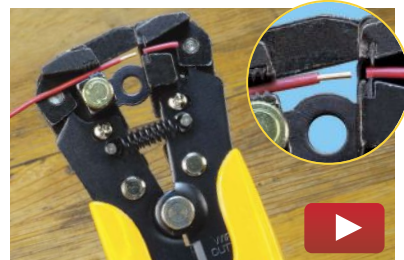
Grab Small Items with the Push of a Button



Wire Stripper Automatically Adjusts to Any Wire Size

Heavy-duty wire stripper automatically adjusts for wire sizes from #10 through #26. Use for thin wire found in model railroads, R/C models and dollhouses as well as heavier household and automotive wire. It's faster, easier and safer to use than other kinds of strippers. Also cuts wire, crimps terminals and even strips twin wire cable. Made of steel with vinyl coated handles. 8-1/4" long.

#81317 Wire Stripper \$19.95



Shrink Tubing Protects Electrical Connections



#83544

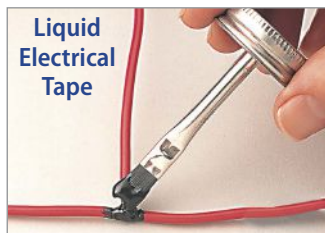
Heat Shrink tubing makes wiring jobs look neat and prevents shorting. After soldering or crimping the connection, slip the tubing over the joint and use a heat gun to shrink the plastic tubing over the joint. 127-piece assortment includes 7 sizes from 1/16" dia. x 1-1/2" long to 1/2" dia. x 3-3/8" long. Trim to length with scissor or wire cutter. Includes compartmented storage box.

#83544 Heat Shrink Tubing Assortment with Storage Box \$8.95
 3 or more **\$6.45 ea.**



#85219

#85219 72-piece Heat Shrink Tubing Assortment includes 24 each of 1 mm (.039"), 2 mm (.078") and 3 mm (.117") diameter tubes. All are 160 mm (6-1/4") long. Trim to length with scissor or wire cutter. **\$9.95**



Keeps Connections Moisture-Proof and Safe

Liquid rubber coating insulates electrical connections and seals out corrosion-causing moisture. Use on control panels, model railroad wiring, lighting circuits, PC boards, around the house and on auto, truck and boat wiring. Keeps terminal screws from vibrating loose. Just brush on and let dry. Won't crack, peel or harden. 4 fluid oz can with brush applicator cap. Black color. (Ships by ground to 48 contiguous U.S. only.)

#84902 Liquid Electrical Tape \$11.95

Miniature Heat Gun...The Perfect Size for Hobby and Craft Use



Mini heat gun generates a hot, but gentle air stream that gets the job done without blowing parts off your workbench. Compact and lightweight, it includes a built-in stand, on/off switch and 6' line cord that plugs into standard 120VAC outlet. Heats virtually instantaneously. Use for shrinking electrical insulation, paint removal and more. Max. temp: 650°; 360 watts, 3 amps.

#84433 Mini Heat Gun
 List \$29.45 ... Our Price **\$24.95**

Animation Brings Your Projects to Life



What makes this high-torque, permanent magnet, DCC-compatible, 12V variable speed motor special? It is reversible*, which means you have so many more options for creating special effects and visual interest. Lifetime-lubricated motor is designed to provide consistent, reliable service and long life. Depending on power supply, you can set it to run from 6 to 60 rpm. 1:76.8 reduction ratio • 5/32" dia. x 3/8" long output shaft • .047" drive shaft hole • 1" dia. x 2" long, plus 9/16" output shaft and collar.

*When wired with #83257 Toggle Switch.

#87360 High-Torque Animation Motor
 List \$29.95 ... Our Price **\$24.95**

#83257 Toggle Switch
 (3-Pole, Double Throw) **\$5.95**
 10-24 pcs. **\$3.95 ea.** 25 or more **\$3.25 ea.**

#82611 Micro Switches
 Single-pole, double-throw contacts switch power from one terminal to another, or make or break a circuit depending on hookup. Small size (only 1/4" x 1/2" x 3/4") to fit in tight places. Contacts rated 1 amp. Includes wiring diagrams. 10-pack. **\$17.95**



Variable Speed Band Saw Cuts Intricate Shapes in Metal, Wood, Plastic, Stone, Bone, Tile, Glass and More!

Band saws designed for cutting wood run too fast to cut metal, and plastic comes away as a gooey mess. The electronic speed control on our professional quality band saw lets you dial-in the exact speed you need to cut these materials. Make designs you never dreamed possible... cutting metal is so smooth and fast you'll complete your work in just 1/10th the time of other methods. You can even stack workpieces to make exact duplicates in one pass. And, with the optional diamond blade and cooling system sold below, you can easily cut intricate designs in glass, tile and other hard materials. Overall size (band saw only): 15" wide x 20" high x 11" deep; weighs 13 lbs. Includes one .180" wide x .031" kerf x 14 tpi blade, adjustable ball bearing blade guide and instructions. Made in Japan.

A. #82203 Variable Speed Band Saw
List \$399.95 ... Our Price **\$299.95**

\$46 ADDITIONAL FREIGHT ANYWHERE IN LOWER 48 STATES
Use our website shopping cart to calculate freight charge for shipments outside 48 contiguous U.S., or call our order line for assistance.

Band Saw Features:

- Sturdy cast-aluminum frame.
- Twin 6-3/8" dia. drive wheels mounted in ball-bearings.
- 7-3/4" x 7-3/4" aluminum table tilts between 0° to 45° for bevel cuts.
- 6" throat depth, 3" throat height.

- 425 to 650 ft/min variable blade speed.
- Cutting capacities: softwood 3", hardwood 2", steel 3/8", aluminum 3/4", brass/copper 5/8", plastic 1-1/4".
- High torque DC motor and moisture-sealed electronics; plugs into standard 120VAC outlet.
- Adjustable miter gauge.

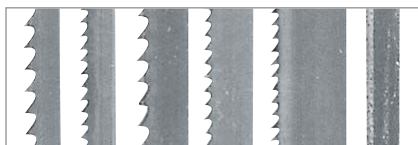
C & K

Optional Band Saw Accessories and Blades

B. #84517 Rip Fence for Band Saw Attaches to table with two thumb screws. List \$29.95 ... Our Price **\$24.95**

C. #82211 Cooling System for Band Saw

Required when cutting stone, tile, ceramics, gems, minerals, glass and other hard materials. Reservoir and adjustable valve dispense water directly on the cut to lubricate and cool the blade, preventing overheating and premature blade failure. Includes reservoir, valve, tubing, gasket, 12" x 16" collection tray and hardware. **\$59.95**



- D. #82204 Blade .138" wide; .031" kerf; 14 tpi \$24.95**
E. #82205 Blade .138" wide; .025" kerf; 24 tpi \$24.95
F. #82206 Blade .180" wide; .031" kerf; 14 tpi \$24.95
G. #82207 Blade .180" wide; .025" kerf; 24 tpi \$24.95
H. #82208 Blade .250" wide; .031" kerf; 24 tpi List \$39.95 ... Our Price \$34.95

J. #82209 Diamond Blade for cutting stone, tile, glass, etc. Even cuts bone with amazing precision! Must be used with cooling system sold above (.125" wide x .025" kerf) \$129.95

#88507 Bi-Metal Blade (steel alloy band with high speed steel teeth) .203" wide; .032" kerf; 10 to 14 varying tpi for cutting steel, non-ferrous metals and stainless steel. \$39.95

#88516 Narrow Blade is only 1.3 mm wide with a .44 mm kerf; 10 tpi. Turns your Band Saw into a scroll saw for the tightest, most intricate cuts in wood, plastics and non-ferrous metals. \$29.95

.138" wide blades cut curves down to 3/8" radius; .180" wide blades down to 3/4" radius; .250" wide blades down to 1" radius. Use wide blades for straight cuts. Blade length: 41-7/8". All toothed blades will cut steel, brass, copper, plastic and wood. Choose blades based on material hardness, cutting speed and finish.

K. All-in-One Water-Cooled Band Saw System – Includes One Each of...

- #82203 Variable Speed Band Saw** **#82211 Cooling System** **#82209 Diamond Blade** **#83340 MicroFlow Coolant**

#87343 MicroLux® Water-Cooled Band Saw System. List \$499.95 ... Super Buy \$449.95*



All-in-One Jeweler's Hammer Set

This complete, versatile set of metal-forming hammers provides all the right tools to planish (flatten), emboss, texture, round, raise, rivet and shape non-ferrous metals such as copper, brass, precious gold and silver, plus other annealed metals. Use to create and stylize dazzling jewelry pieces, ornaments, keepsakes, frames, bezels and much more. All hammers are double-sided with different sized heads made of polished high-grade steel and outfitted with black lacquered hardwood handles 7-3/4" in length.

Set includes one each of the following, plus a custom wood storage rack:

Narrow Convex Rounded Hammer shapes both gradual and tight convex curves. • **Narrow Rectangular Flat Planishing Hammer** for flattening metal in tight spaces. • **Sharp Wide-Edge Texturing Hammer** makes straight embossed lines and forms metal into tight shapes with optional jeweler's stakes. Used to create a shimmering effect on polished metal. • **Rounded Small Embossing Hammer** domes metals from the inside; creates shimmering effects. • **Pointed Hammer** embosses metals with tight goose-bumps effect and for tight work with stake formers. • **Larger Hammer with Flat Planishing Side and Cross-Hatching Face Embosser** flattens large areas and creates texture. • **Medium and Small Dimpling Hammer** creates embossing effects and texturing. • **Convex Cone Hammer** embosses small protrusions and raises metals with stake formers.

#89116 8-piece Jeweler's Hammer Set. List \$129.95 ... Our Price \$102.95

#89143 10-piece Jeweler's Stake Set

Allows beginners and pros alike to form metals into fine jewelry pieces. Chromed, polished and beautifully made, this set readily stands up to the repeated hammer strikes required to stretch and form metals. Achieve just about any shape or dimension with the following stakes:

- Mini Shell • Planishing & Double Curve • Mini Double Shell • Mini Beak
- Convex & Concave Forming • Large Concave with Taper • Deep Double Convex • Doming • Mini Raising Bezel • Double Convex

Stakes are approx. 3-1/4" tall with a 3-1/2" long x 5/16" wide forming surface. Each stake has a 2-3/8" tapered square shank. List \$209.95 ... Our Price **\$184.95**

#89145 Bench Mount for Jeweler's Stakes Essential for use with the Stake Set above, this sturdy Bench Mount is made of 1/2" thick x 1-5/16" wide solid steel. Features 2 pre-drilled mount holes and raised platform with 5/16" square hole to securely hold stakes. **\$12.95**

#89144 Stake Stand High-quality, heavy duty 9" x 5" x 3" x 5/16" thick wood stand holds up to 10 Jeweler's Stakes. Features two 7" x 1/2" slots. **\$16.95**

#89143K Jeweler's Stake Set Super Value Package includes the #89143 Ten-piece Jeweler's Stake Set, #89144 Stake Stand and #89145 Bench Mount, all for one money-saving package price! Value \$214.85 **Super Buy \$199.95**

A New "Twist" for this Unique Plier

Primarily used to quickly and easily twist any type of wire up to 18 gauge for aviation and automotive applications, this plier is also excellent for model building and jewelry design. Use it to transform ordinary wire and slim sheet stock into many shapes and different sizes of eye pins, bezel rings and more. Approx. 9" long, with diagonal serrated tips and internal cutter, plus automatic spring return.

Superior quality, made in Taiwan.

#83409 Wire Twisting Plier
List \$44.95
Our Price **\$34.95**





Jeweler's Quality Micro Pliers at an Affordable Price...

Includes FREE custom wooden stand!

You'll be impressed with the incredible value offered by these high quality micro pliers. Made for Micro-Mark in stainless steel, with finely-finished, precision-formed micro-size tips and no-slip rubber grips for superb jewelry, electronic, wire-forming, and model-building parts fabrication and assembly. Set includes the following 7 pliers (each approx. 5" long): extra fine needle nose, fine needle nose, round looping tips, flat tips, split ring tip, diagonal cutter*, and end nipper*, plus a nicely finished wooden stand to keep them handy and damage-free.

*For use on soft wire only.

#86487 Jeweler's Micro Plier Set
(A \$90 value!) **\$69.95**



#86152 Loop Closing Plier Semi-circular indentations in the jaws make neatly closed loops without distorting. 5-1/4" long overall. **\$19.95**



#85140 Pencil-shaped Deburring Tool Sharp-edged pivoting tip removes burrs from rough edges. **\$11.95**



#85149 Acrylic Plier Rack, 8" long **\$14.95**
2 or more **\$11.95 ea.**

High Precision Punch Produces Accurate Disks and Holes in Metal, Plastic and Cardstock



Heavy-duty, precision ground die plates are separated by springs that hold them apart while you load the stock to be punched (soft materials up to 1/8" thick). Tightening the handle squeezes the material between the die plates so that the precision ground punch can operate without tear-out or distortion of the base material. To use, just tap with hammer or apply force with a press. Includes steel punches in the following diameters: 1/8, 3/16, 1/4, 5/16, 3/8, 7/16 and 1/2 inch.

#85146 Precision Disk Punch Set
List \$104.95 ... Our Price **\$99.95**

NOW WITH EXPANDED TOOLING SET!



Bend Metal Wire and Strip into Complex Shapes with Ease

Our Universal Bender forms wire and strip into smooth curves, in multiple planes, and into complex shapes, including S-curves, squares and coils. Use it on wire up to 5/16" dia. and strip up to 1" wide. Clamps into bench-mounted vise, or can be mounted with 5/16" bolts (not included). **EXPANDED TOOLING SET*** includes 3/16", 1/4", 1/2", 1", 1-1/4", 1-1/2" and 1-3/4" dia. circle pins, 13/32" and 5/8"-tall tight bend blocks, 12" long lever with rubberized grip, follower tool, and stop pin for making duplicate parts. Overall size: 9" long x 3-1/2" high x 2-1/2" wide (not including lever). Made of rust-protected steel.

#82819 Universal Bender **\$109.95** ***#82819A 4-piece Tooling Set ONLY available separately \$17.95**



Lightweight Miniature Hammers for Delicate Work

L. Mini modelers' hammer with 2.5 oz steel head and steel handle with aluminum grip. Six screw-on tips include brass flat, steel tapered, steel ball, steel dome, steel flat and plastic flat. 7-1/2" long overall.

#83380 Hobby Hammer with 6 Tips **\$14.95**

M. An inexpensive tool that will get the job done. Use for driving home small pins, nails and model railroad spikes. 1-1/2 oz steel head is 2-1/2" long. 9-1/2" long overall. Hardwood handle.

#22102 Hobby Hammer **\$10.95**

Ball Peen Hammers Use these miniature ball peen hammers for shaping metal or riveting. Excellent for use with one of our anvils.

N. #81367 1 oz. head **\$9.95**

P. #22119 2 oz. head **\$11.95**

Q. #84254 4 oz. head **\$14.95**

#87952 8 oz. head **\$17.95** (not shown)

Jeweler's Chasing Hammer Flattens and Shapes Metal

R. This well balanced, nicely made jeweler's hammer is ideal for use with one of our anvils when you need to shape or flatten metal. Polished tool steel head and hardwood handle. Flat end of head is 1" dia. Handle is 9-1/2" long. 5 oz head.

#80811 Chasing Hammer
List \$16.95 ... Our Price **\$14.95**

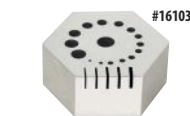
Toolmaker's Mallet Prevents Damage to Metal Parts

S. The nylon and soft brass faces of our premium quality 2 oz toolmaker's mallet prevent the surface scars and dents that can result from striking metal parts. Overall length: 9-1/2".

#81523 Toolmaker's Mallet
List \$23.60 ... Our Price **\$12.95**



#16104



#16103



#83437



#85129

Anvils Make Miniature Metal Work Easier

Anvils are extremely helpful when riveting, forming, shaping, bending, embossing, drilling or flattening metal...and whenever you need a hard working surface. The hexagon anvil can also be used for removing small friction-fit pinions, gears and wheels from shafts and axles.

#16104 Jeweler's Anvil Steel with chrome plated surface. 3/4" wide x 4-1/2" long x 3" high. **\$24.95**

#16103 Hexagon Anvil Case hardened tool-steel ground flat and smooth. 15 holes graduated from 1/32" to 1/4" and 5 milled slots. 1-5/8" across flats. 3/4" thick. **\$24.95**

#83437 Precision-Ground Anvil Top and side surfaces ground flat and square. Use standing upright or laying on side. Main body approx. 2-1/2" long x 1-1/4" wide x 1-3/4" high. 2 conical ends are each 1-1/4" long. **\$24.95**

#85129 Small Machinist's Anvil Cast iron with 1-3/4" x 3-1/8" working surface. 5-1/2" long overall x 2-5/8" high. Horn tapers to rounded tip. (Color may vary.) **\$14.95**

These anvils are a perfect match with the miniature metalworking hammers above

Surgeon's Scissors Make Smooth, Clean Cuts in Delicate Materials

Surgeon's "Castroviejo" Scissors feature ultra-sharp, precision-ground jaws with anti-slip microscopic serrations and spring-loaded knurled handles which provide the control you need to make perfectly smooth cuts every time. Beautifully made of stainless steel. Jaws are 1/2" long; 4-1/2" long overall. Available in straight and curved jaws.

#84440 Castroviejo Straight Scissor **\$16.95**

#84441 Castroviejo Curved Scissor **\$16.95**

#86417 Set of both Castroviejo Scissors. Value \$33.90 ... Our Price **\$24.95**





Use a Jeweler's Saw for the Finest Cuts in Any Material

Model makers, miniaturists and jewelers know how indispensable this well-balanced saw frame can be when it comes to intricate cutting. Blades will cut soft metals, wood, fiberglass, styrofoam and plastic. Adjustable frame permits blades to be drawn taut, and adjusts for blades 2-1/2" to 5-1/2" long... even accommodates broken blades. Nicely made with a steel bow and hardwood handle. Cuts up to 2-1/2" deep. Use with our jeweler's saw blades (below) for the finest cuts you've ever seen.

Shown with optional V Block Extension. Saw frame may vary.

#22105 Jeweler's Saw \$17.95



#22127 V Block Bench Extension gives you extra control, support and space while using your jeweler's saw. Also helpful when filing and drilling. Included clamp fits any table up to 2" thick. 2-1/2" x 7". **\$9.95**

24-piece Jeweler's Saw Blade Sets

#22107 Includes 12 each #4 (38 tpi) and #2 (43 tpi) **\$7.95**

#22108 Includes 12 each #1 (51 tpi) and #2/0 (56 tpi) **\$7.95**

#22109 Includes 12 each #4/0 (66 tpi) and #6/0 (76 tpi) **\$7.95**



Multi-purpose Jewelry Duo Chain Kits are Ideal for All Kinds of Projects!

Each Duo Chain Kit contains 3 chain types, 18" each, in 2 different finishes (6 total), plus all the jump rings and lobster claws you need to make finished pieces if you actually use them for jewelry making! Great for building dioramas, model ships, trains, trucks and more. **\$39.95 each**

#88696 Matte Black & Brass Oxide

#88698 Antique Silver & Antique Gold

#88697 Antique Copper & Shiny Copper

#88695 Silver & Gold

#88694 Rhodium & Gunmetal



Special Plier Holds Tubing, Strips and Rods while Sawing

If you use a jeweler's saw to cut tubing, this is a must-have tool! V-grooved jaws hold tubing, rod and strip securely and safely. Narrow slot through the center of the jaws guides the saw blade, so you get a clean, straight cut every time! Works with tubes, strips and rods from 3/32" to 3/8". Includes comfortable, cushioned handles and spring-loaded box joint construction for years of use. 7" long.

#85166 Tube Cutting Plier \$29.95

#22105 Jeweler's Saw \$17.95



#60661

Mini Hack Saw

Hack saws are not just for metal...use for plastic, wood, dowels and other hardwoods, too. Includes 6", 24 tpi blade.

List \$12.95... Our Price **\$9.95**

#60684 Mini Hack Saw Blades

6", 24 tpi, 1/32" kerf.

Package of 6. **\$5.95**

#86774 MicroLux® Roto-Buffer uses 3/16" rubberized abrasive sticks to quickly and easily clean and abrade delicate parts. Easily remove oxidation, paint and other surface finishes. Cleans, polishes and deburrs with smooth, fine-grit precision. Cordless action in a small package for those hard-to-reach spots. **\$24.95**

#86774A Replacement Rubberized Abrasive Stick
4-pack of 1" pieces. **\$11.95**



Need a saw?

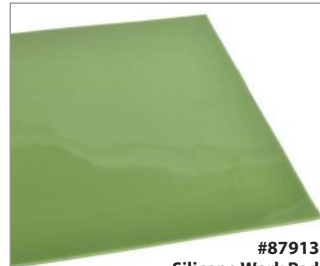
#22105 Jeweler's Saw (see details on left), is ideal for use with **#87915 Bench Pin**. **\$17.95**



#87911

#87915 Professional Bench Pin for Model and Jewelry Makers provides solid support for hand-sawing and filing soft metals, wood and more. Mounts quickly and easily with custom C-clamp (included) to work tables from 1/2" to 2-1/4" thick; dismounts just as simply. Specially designed for facilitating interior saw cuts, Bench Pin includes 3 round cut-outs and 2 oval cut-outs (one left and one right), plus an elongated V for maximum versatility. Bench Pin is approx. 3-7/8" wide x 6" long x 3/8" thick. **\$19.95**

#87911 Spherical Object Drilling and Finishing Vise features 13 matching holes from 1 mm to 6.4 mm (1/32" to 1/4") on its rotating top and bottom plates. Built-in hinge keeps the plates aligned, holding objects from 1/32" to 1/2" diameter firmly for drilling and finishing operations. **\$10.95**



#87913

Silicone Work Pad

Ingenious, flexible, semi-soft silicone pad provides both impact-deadening and roll-resistance, keeping miniature hardware, model parts and other tiny components from bouncing into the black hole of oblivion while handling. The pad is also naturally resistant to paint and glue, making it a great surface for scale model assembly and detailing as well. 13-1/2" x 9-1/4" x 3/32" thick.

List \$24.95... Our Price **\$17.95**

2 or more **\$14.95 each**



#87912

Electronic Demagnetizer

Just touch a screwdriver, nut driver, wrench, tweezer or other tool to the top of the box, press the button, and like magic, this little gem of a device neutralizes magnetism, allowing you to work on electrically-sensitive components and equipment without damage. Plugs into standard household outlet.

List \$29.95... Our Price **\$19.95**



Nibbling Cutter Makes Inside Cuts in Plastic and Metal an Easy Task

Squeezing the handle of our uniquely designed nibbling cutter actuates an ultra-sharp punch and die set which quickly and cleanly "nibbles" its way (3/32" at a time) through soft metal and plastic sheet up to 1/16" thick. Use it to cut out window and door openings, make sheet metal templates and gauges, etc. Specially contoured handle provides a comfortable grip. Cutter width is 1/4"; overall length is approx. 8".

#81477 Nibbling Cutter \$14.95



#85779

Combo Bench Block

Interchangeable steel and nylon blocks fit into a non-slip rubber base that absorbs shock...lets you hammer at your work bench without creating excessive noise and vibration. Steel and nylon blocks are 5/8" x 3" dia. Rubber base is 1" thick x 4" dia.

List \$34.95... Our Price **\$29.95**



#86716 Swiss-Tech

Micro-Plus EX 9-In-1 Pocket Tool Kit

Includes pliers, #1 Phillips screwdriver, #2 Phillips screwdriver, #1 flat screwdriver, #2 flat screwdriver, bottle opener, wire cutter, wire stripper and wire crimper. Each tool is smart, functional and well-designed. Rugged and handsome stainless steel construction. Attaches to your key ring. Perfect for gift-giving! **\$24.95**



#89121 Wood and Gold-Plated 10x Loupe
This handsome, finely finished loupe is as elegant as it is functional. Features include a unique wooden body and gold-plated bezel with 10x glass magnifying lens. Perfect for any task in which close-up inspection is required, this loupe makes a fine addition to anyone's desk or workbench. **\$12.95**



#89120 Double-Sided Texturing Hammer Set with 13 Heads Add eye-catching texture to a wide variety of non-ferrous materials with our well-made Double-Sided Texturing Hammer Set. Includes 13 interchangeable heads in solid steel, brass and nylon. Textures include Square, Round, and Spike Peg, Diamond Tread, Convex Dimple, Square Multi-Hatch and more. 10-1/4" wood handle is contoured for a comfortable grip; weight: 9 oz. **\$32.95**



#89146 Double-Sided Texturing Hammer Set with 12 Interchangeable Heads and Custom Case Set includes a hefty 13 oz, 10" long solid steel hammer with a contoured, shock-absorbing rubberized handle for a sure grip, plus 12 interchangeable 3/4" diameter heads, all packed in handsome leather-bound, foam-lined case. To change heads, simply unscrew the threaded rings, drop in the heads, and screw the rings back on. **\$42.95**



Jig must be secured in a vise or bench-mounted for use.

#89247 Wire Bending and Wrapping Jig packs a grid of 193 holes into just 5-3/4" x 1-1/4" x 1/2" of space, allowing you to form thin-gauge brass, copper, aluminum and precious metal wire into shapes from smooth and simple to intricate and complex. And, creating duplicates of even the most involved design is a breeze! Includes jig, 20 each 3/32" and 1/8" diameter steel pins and a selection of plastic wrapping tubes. **\$29.95**



#89248 Micro-Make™ Watch Face Assortment
This 50-piece random assortment of contemporary and vintage-style watch faces is sure to have something for everyone! Faces vary in size, shape, color, markings, etc. Every assortment is unique, but you will likely find duplicates within which can be used for earrings, cuff links and other paired items. A great companion with our #89719 Watch Component Assortment. **\$21.95**



#89122 Heavy Duty Pry Knife
Designed for opening fine watch cases without damaging or scratching, this handy tool is also great for quickly and safely opening battery boxes, model locomotives, key fobs and more. It might look like a knife, but the beveled steel blade is not at all sharp. Instead, its finely tapered edge is designed to easily slide between mating parts to do its job. 5-1/2" long; 7/8" dia. Includes 2 blades and hex wrench. **\$16.95**



**NOTE:
BLADE IS NOT
INCLUDED.**

#89243 Pocket-Size Bow Saw Measuring just 4-1/4" long, this mini saw not only provides delicate control, go-anywhere versatility and precision when sawing a wide range of materials, its clever design allows you to work with virtually any jeweler's saw blade...even the still-good fragments of previously useless broken blades! Well-made of steel, brass and lacquered wood, this handy saw includes 2 knurled nuts spaced only 1-3/8" apart to tightly secure the blade. **\$12.95**

24-piece Jeweler's Saw Blade Sets - \$7.95/set

#22107 12 each #4 (38 tpi) **#22108** 12 each #1 (51 tpi) **#22109** 12 each #4/0 and #2 (43 tpi) and #2/0 (56 tpi) (66 tpi) and #6/0 (76 tpi)



#89250 Pocket-Size Micro Plier Set with Case At less than half the size of ordinary pliers, these Micro Pliers fit into tight spaces and confined areas where other tools simply can't! You'll be very pleasantly surprised at just how much these little tools can do! Set includes chain nose, flat nose, round nose and diagonal soft-wire cutter in a velvet-lined, zippered leather case. Each plier is just over 3" in length with leaf-spring return. **\$21.95**



Pocket-Size Micro Measuring Set



A Micro-Mark Exclusive!

Pocket-Size Micro Measuring Set combines all four of our pocket-sized analog measuring tools in one handy, money-saving package. Perfect for measuring just about every miniature project, including: model structures, ships and airplanes, scratch-built pieces, dollhouses and accessories, plus dozens of applications in woodworking, turning, sanding, machine tool setups, and more. **Set includes the following micro pocket-size tools:** #88499 Outside Caliper, #88500 Inside Caliper, #88501 Divider Caliper, and #88502 Two-Inch Try Square, plus a segmented vinyl storage pouch.

#88503 Pocket-Size Micro Measuring Set List \$52.80 ... Our Price **\$34.95**

Each Pocket-Size Micro Measuring Tool is also available individually:

#88499 Outside Caliper \$10.95

#88500 Inside Caliper \$10.95

#88501 Divider Caliper \$10.45

#88502 Try Square, 2" \$10.45

#89207 Riccilandia® Da Vinci Bat Flying Man Wooden Model Kit Includes 200 laser-cut birch plywood pieces, string and scrim. Glue sold separately. **\$89.95**

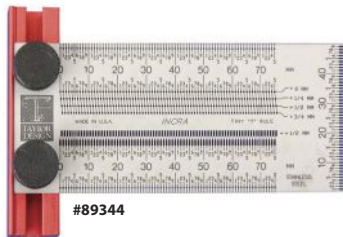


Introducing Tiny™ "T" Precision Marking Rules By Incra

Incra's patented marking rule design is the standard by which all others are measured. Their latest offering, the Tiny™ "T", is a pocket-sized, high-precision measuring tool that is perfect for a wide range of projects where accuracy is critical to the job at hand. Available in Imperial and Metric versions, the made-in-USA Tiny™ "T" is already flying off the shelves. Get yours today! **\$16.95 each**

#89345 Incra Tiny™ "T" Rule, Imperial. Features marking holes at every 16th, 32nd and 64th from 0 to 3 inches, plus vertical 32nd-spaced slots on the end. Overall size: 3" x 4.5".

#89344 Incra Tiny™ "T" Rule, Metric. Features marking holes at every 1 mm, .5 mm and .25 mm from 0 to 75 mm, plus 1 mm-spaced slots on the end. Overall size: 75 mm x 115 mm.



#89344



#88546 18 Compartment Plastic Storage Box
Heavy duty plastic storage box with latching lid features eighteen 2" x 1-3/4" x 1-1/2" high compartments. Perfect for storing nuts, bolts, screws, beads, scratch-building parts, hooks, clasps, fishing gear and much more. Overall size is 11" x 7" x 1-3/4". **\$11.95**

#88545 30 Compartment Double-Decker Storage Case

offers storage for nuts, bolts, screws, beads, scratch building parts, hooks, clasps, fishing gear and much more! Double latched lid offers access to top level tier or to the bottom level tier as desired. Top level offers 16 adjustable compartments ranging from 1-1/2" x 2" to 1-1/2" x 3" with removable slide-out tabs adjusting up to 6-1/4" wide. Lower level has 14 compartments from 1-1/2" x 1-1/2" to 1-1/2" x 4-1/2". Removable slide-out tabs adjust to 5" wide. This organizer packs a ton of storage in a small footprint. Overall size: 10-3/4" x 7" x 2-1/2". **\$14.95**



The Mercedes-Benz of Precision Tools from Wiha™ of Germany

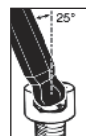
These professional quality miniature tools are the only ones you'll ever need! Tool blades are made of high alloy chrome-vanadium-molybdenum steel with close-tolerance tips. Comfortable, tapered handles are molded to the blades, so they'll never come loose. Include fingertip rotation cups at the back end for added control. All Wiha tools are guaranteed for life.

#80775 Wiha 7-Piece Precision Screwdriver Set With Stand A complete set of seven screwdrivers with a **FREE** weighted stand for easy access to 6 of your most-used screwdrivers. Length: 4-3/4" to 6-3/4". **\$39.95**

#80776 Magnetizer/Demagnetizer Just slip your screwdriver blade (or any steel item) through the opening to magnetize or demagnetize. A great way to hold those hard-to-start mini screws. **\$8.95**

#81546 8-piece Nutdriver Inch Set Includes sizes 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, and 1/4 inch; all with 2-3/8" long blades. **\$49.95**

#81547 8-piece Nutdriver Metric Set Includes sizes 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0 mm; all with 2-3/8" long blades. **\$49.95**



Ballpoint Hex Drivers let you drive hex head cap screws, button head screws and set screws at an angle up to 25° off-center (see illustration).

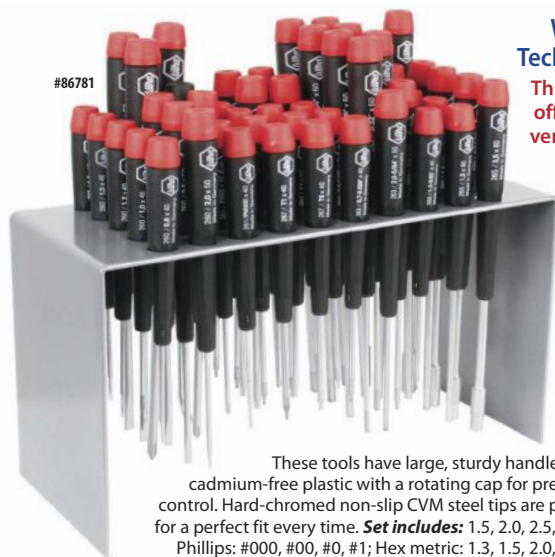
#81708 8-piece Inch Set

Includes sizes .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, and 5/32 inch; with 1-9/16" to 2-3/8" long blades. List \$39.58 ... Our Price **\$34.95**



Wiha Master Technician's Set

This 51-piece set offers incredible versatility, utility and quality.

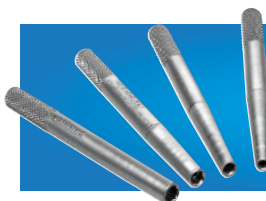


These tools have large, sturdy handles constructed of cadmium-free plastic with a rotating cap for precise turning and control. Hard-chromed non-slip CVM steel tips are precision-ground for a perfect fit every time. **Set includes:** 1.5, 2.0, 2.5, 3.0, 3.5, 4.0 mm; Phillips: #000, #00, #0, #1; Hex metric: 1.3, 1.5, 2.0, 2.5, 3.0, 4.0 mm; Hex inch: 0.028 inch (0.71 mm), 0.035 inch (0.89 mm), 0.050 inch (1.27 mm), 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32; Torx: T1, T2, T3, T4, T5, T6, T7, T8, T9, T10; Pentalobe: PL1, PL2, PL3, PL4; Nut drivers: 1.5, 1.8, 2.0, 2.5, 3.0, 4.0, 4.5, 5.0, 5.5 mm; Chip lifter: 1.0 x 2.0 mm; plus a space-saving, custom-fitted steel bench stand/organizer.

#86781 Wiha 51-pc. Master Technician's Set. List \$298.94 ... Our Price **\$249.95**

Hex Head Nutdriver Set is Sized Just Right for Our Mini Hardware

Includes 4 special nutdrivers for 00-90 (5/64"), 0-80 (3/32"), 1-72 (7/64") and 2-56 (1/8") hex head screws and nuts. **#80240 4-piece Nutdriver Set \$27.95**



Micro-Make™ MasterShop Ultimate Miniature Brass Hardware Set

It is a maker's dream come true! Outfit your shop with the be-all-end-all selection of every miniature screw, nut and washer we sell in one ultimate package...and **SAVE OVER \$600.00!** Never before have we offered such a set - 2,000 pieces all together - plus a perfect pair of storage containers to keep every last piece neat and organized until you need it. You will never search for just the right round, flat or hex head screw again!

#88542K

Micro-Make™ MasterShop Ultimate Mini Hardware Set




Value \$1,196.00 ... Our Price **\$499.95**



A Micro-Mark Exclusive!

#88542 30-Piece Screw Cap Container Set and Plastic Storage Box ONLY \$15.95

Miniature Brass Machine Screws, Nuts & Washers

25 Pieces Per Package \$14.95/pkg.		 Round Head Screws	 Flat Head Screws	 Hex Head Screws
Size	Length	Item Number	Item Number	Item Number
00-90	1/8"	85470	85434	85450
00-90	1/4"	85471	85435	85451
00-90	3/8"	85472	85436	85452
00-90	1/2"	85473	85437	85453
0-80	1/8"	85474	85438	85454
0-80	1/4"	85475	85439	85455
0-80	3/8"	85476	85440	85456
0-80	1/2"	85477	85441	85457
1-72	1/8"	85478	85442	85458
1-72	1/4"	85479	85443	85459
1-72	3/8"	85480	85444	85460
1-72	1/2"	85481	85445	85461
2-56	1/8"	85482	85446	85462
2-56	1/4"	85483	85447	85463
2-56	3/8"	85484	85448	85464
2-56	1/2"	85485	85449	85465

Nuts

Item No.	Size
85466	00-90
85467	0-80
85468	1-72
85469	2-56

Washers

Item No.	Size
85486	00
85487	0
85488	1
85489	2

Reference Chart

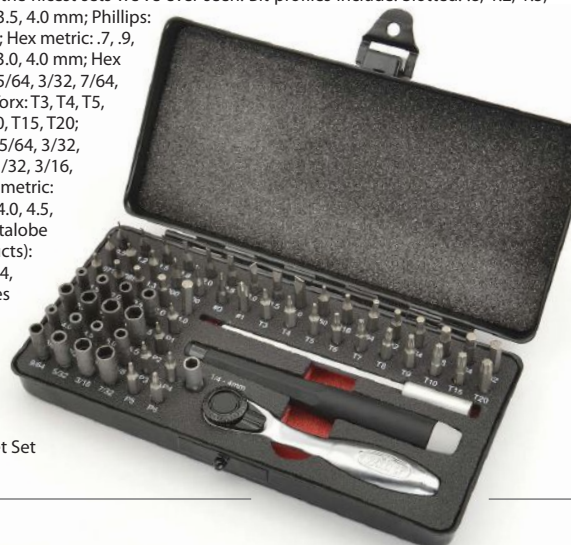
Size	Dia.	Clear. Drill	Tap Drill
00-90	.047"	55	61
0-80	.060"	52	55
1-72	.073"	48	53
2-56	.086"	43	50

Wiha 65-piece Micro-Bit Ratchet Set

This impressive Micro-Bit Ratchet Set by Wiha is everything you have come to expect from the acclaimed German manufacturer. Each component is precision-crafted and built to last. The ergonomic 72-tooth reversible mini ratchet is drop-forged. The bits are constructed of Wiha's special chrome-vanadium-molybdenum tool steel. The 5" speed-handle with rotating end cap is made of high-quality cadmium-free plastic. This is quite honestly one of the nicest sets we've ever seen. Bit profiles include: Slotted: .8, 1.2, 1.5, 1.8, 2.0, 2.5, 3.0, 3.5, 4.0 mm; Phillips: #000, #00, #0, #1; Hex metric: .7, .9, 1.3, 1.5, 2.0, 2.5, 3.0, 4.0 mm; Hex inch: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32; Torx: T3, T4, T5, T6, T7, T8, T9, T10, T15, T20; Nut driver, inch: 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32; Nut driver, metric: 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5 mm; Pentalobe (for Apple products): PL1, PL2, PL3, PL4, PL5, PL6. Includes deluxe fitted organizer/case.

#86782

Wiha 65-piece Micro-Bit Ratchet Set **\$119.95**



Economical Nut Starter

#21116X3 Gripster Nut Starter has micro spring fingers that grab the outside of the nut. Works on miniature sizes

#00 - #10. Releases by pressing trigger on back end. 4-1/2" long. Set of 3. **\$9.95**



Miniature Pry Bar

Great for pulling miniature pins and nails, railroad spikes, staples, etc. Has .040" wide x .137" long slot in a chamfered tip; 2" long blade.

#81576
Miniature
Pry Bar **\$9.95**



#86628 Universal Mini Nut Starter Miniature nuts are a pain. They're hard to pick up and even harder to thread. This tool does both so easily that you'll think you're cheating. Holds all of our miniature nuts from .056" to .125". Cap nuts, star nuts, lock nuts or round nuts...any pattern works. Grab the nut right from your workbench and screw it on! Also great for holding round shanks and hex screws in the same size range, and for eyeglass hinge screws as well. If it's tiny and needs twisting, this tool can do it! 3-3/4" long. **\$24.95**



Screw Chek'r Instantly Identifies Drill Bits, Screw Sizes and More

INCH SYSTEM
SCREW
IDENTIFIER



#86938

Our popular inch and metric Screw Chek'rs are ingenious, threaded gauges which quickly tell you size, threads per inch, tap drill size, clearance drill size, length and basic diameter. They also straighten bent screws and clean up rusty and battered threads. Made in the USA of heavy gauge, satin chrome plated steel. Instructions included.

#60361 Inch Screw Chek'r for American and Unified screws from number 1 through 5/16". Also identifies wood screws, sheet metal screws, rivets, cotter pins. List \$30.00... Our Price **\$25.95**

#60345 Metric Screw Chek'r for metric screws from 2 mm through 7 mm. List \$30.00... Our Price **\$25.95**

BEST BUY!

#80322 Set of both Screw Chek'rs above for one low price. List \$60.00 **\$44.95**

#86938 Inch Screw Chek'r for #4 to 1/2" in UNC and UNF pitches **\$29.95**

#86937 Metric Screw Chek'r for 8 mm to 14 mm in I.S.O. pitches **\$26.95**

#86937



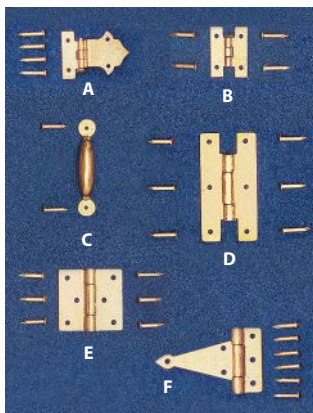
Solid Brass Mini Hardware

Use our miniature hardware for dollhouse doors and furniture, model railroad structures, ship models, architectural models and more. Fasten with miniature nails included or with glue. Items shown approx. actual size.

- A. **#15255** Offset Hinge for 3/32" thick material, 6/pkg. **\$6.95**
- B. **#15256** Flush Hinge, 6/pkg. **\$6.95**
- C. **#15257** Handle, 8/pkg. **\$6.95**
- D. **#15258** H Hinge, 4/pkg. **\$6.95**
- E. **#15259** Butt Hinge, 4/pkg. **\$6.95**
- F. **#15260** Strap Hinge, 4/pkg. **\$6.95**

Micro-Mark Tip:

Our **#85282 Pin Insertion Plier** is the ideal tool to use for driving the mini nails included with these hinges and handles! **#85282...\$24.95**



Miniature Nails for Miniature Projects

Solid brass mini nails for models, dollhouse miniatures, model railroads and craft projects.

#14315 Mini Nails, 3/32" long x .020" diameter (pkg. of 100) **\$6.95**

#81844 Mini Nails, 3/8" long x .020" diameter (pkg. of 100) **\$5.95**



Miniature Piano Hinge

#85816 Brass-plated, .360" wide x 15" long. Can be cut to desired length. **\$16.95**



Glass Top Containers Keep Mini Hardware and other Small Parts Neat and Organized

Approx. overall size: 7" x 4-1/2" x 1"

A unique idea in small parts storage. Aluminum case with hinged lid holds glass top aluminum containers neatly in place.

#14245 Case with 24 containers
List \$25.00 **\$19.95** 2 or more **\$17.95 ea.**

#81366 Case with 20 containers **\$19.95**
List \$25.00 **\$19.95** 2 or more **\$17.95 ea.**



Power Screwdriver for Model Building, Electronics and Other Miniature Assembly and Repair

The UltraTECH precision power screwdriver transforms the energy of two AAA cells into hours of screw-driving torque. The ultra-slim lightweight housing (weighs just 2.5 ounces) includes ergonomic soft-grip finger pads, a forward/reverse push switch, plus a quick-change chuck. Includes six precision 5/32" hex shank bits: #0 and #1 Phillips, 1/8" and 1/16" flat blades, and T5 and T6 torx; plus two AAA cells.

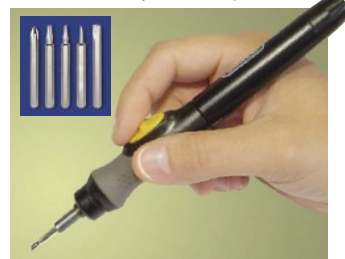
#86258 UltraTech Precision Power Screwdriver **\$34.95**

Convert Your Screwdriver into a Powered Pin Vise

Slip the collar of our **#86259** drill chuck onto the shaft of the screwdriver above and tighten the set screw to instantly convert your screwdriver into a powered pin vise.

#86259 Drill Chuck **\$19.95**

(Drill bit not included. Chuck capacity 1/64" to 1/8")



Micro Screw Starters

Spring-loaded knobs expand the blades so you can insert and hold the screw. Once the screw is started, press the knob to release it, then drive it home.

#85109 for slotted screws (2.2 mm wide blade) **\$10.95**

#85110 for Phillips screws (#00 size tip) **\$10.95**



#60405 Miniature Brass Eye Pins Use for hanging mini items in the dollhouse, railing stanchions for railroad models, tying off lines on ship models, and more. .033" dia. brass, 1/2" long, 3/64" inside eye dia. Approx. 144 pcs/pkg. **\$8.95/pkg.**



Parallel Jaw Pliers Hold Like No Others



Parallel jaw pliers have a special hinge that holds the jaws parallel to each other. So, objects being held won't slip out of your grasp like they do with standard plier's angled jaws. Smooth-faced jaws won't mar, and the double-jointed hinge exerts a vise-like grip with easy hand pressure. In a pinch, you can also use these pliers to grasp hex-head bolts without damage. Made of nickel-plated steel with blackened steel jaws or brass lined jaws. Grip range: 0 to approx. 3/8"; overall length 5".

#85932 Flat Nose Parallel Jaw Plier with straight jaws and 1/4" wide tips **\$19.95**

#85931 Chain Nose Parallel Jaw Plier with tapered jaws and 3/32" wide tips **\$19.95**

#86632 Brass Lined Plier allows for non-marring bending and gripping of delicate parts. Lining is 1/4" wide and 7/8" long. Exceptional quality with spring-action handles. **\$22.95**

#88140 BEST BUY! Set of all 3 Parallel Jaw Pliers **\$52.95**

Stainless Steel Box Joint Wire Loop Pliers



Beautifully made, highly polished pliers make perfect loops, rings and tight radius bends in wire and strip material. An excellent tool for jewelry and ship model work. One jaw has a stepped tip for making 3 different radius bends. The other jaw has a matching curved recess, making pliers work like a male/female bending die. 5-1/2" to 6" long overall.

#14483 Large Wire Loop Plier with 1/8", 3/16" and 1/4" stepped jaw **\$14.95**

#14484 Small Wire Loop Plier with 3/32", 1/8" and 3/16" stepped jaw **\$14.95**

#50295 BEST BUY! Set of both Wire Loop Pliers **\$24.95**

#85161 Non-Scratch Plier

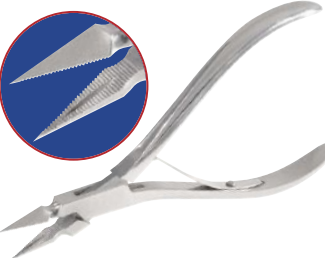
Use this special plier when you want to get a grip on things without ruining the finish. Nylon inserts embedded in the jaws of this steel plier protect gripped objects from damage. Eight-step adjustment with spring loaded pivot grips objects up to 1-3/4". Includes comfortable rubber handle covers. Ideal for flywheels and other R/C model assembly and maintenance. Made in Japan. List \$40.00 ... Our Price **\$34.95**



Ultrafine Needle Point Plier Works Like Tweezers

This beautifully made tool is used by surgeons to remove glass, wood and metal splinters from accident victims and when tweezers won't give them a strong enough grip. You'll use them when you need an extra fine needle nose plier for gripping the smallest miniature items and for making tiny bends in wire and strip metal. Made of polished, surgical quality stainless steel with box joints and spring return. 6" long overall.

#60720 Surgeon's Splinter Forceps **\$24.95**



3-piece Aerospace-Style Angled Mini Shear Set

Extra fine jaws reach into confined spaces. Tip angles of 21°, 45° and a unique reverses angle of -45° permit both front and back cuts. 3-plier set has corrosion-resistant blackened steel jaws, spring-loaded handles and cushioned no-slip grips. All pliers are 5" long. Not for use on steel. Grip color may vary.

#82526 Cutting Plier Set **\$34.95**



Xuron Pliers...Aerospace Precision at Economical Prices

The Xuron Corporation has been manufacturing precision pliers for the electronics and aerospace industries in Saco, Maine, since 1970. All Xuron cutters feature their patented blade bypass shearing action instead of the compression cut of standard cutters. This shearing action is made possible by the use of ultra-precision computer controlled grinders. That's why they cut so clean, square and close with half the effort of compression type cutters. Made of hardened steel with soft rubber grips and spring return.

#80333 High Precision Micro Shear

This all-purpose cutter not only cuts soft wire up to 20 gauge copper, but also plastic, paper, mylar, fabric and thread. It will even cut a single human hair! Ideal for cutting plastic model parts from molding sprues. 5" long. **\$14.95**

#80334 Angled High Precision Micro Shear

Like #80333, but with a 55° angled cutter head for hard-to-reach locations. **\$21.95**

#80337 Track Cutter

Cuts model railroad track up to HO gauge clean and square with much less effort than other cutters. 5-1/2" long. **\$19.95**

#80338 Tweezer Nose Plier

Six separate milling operations on each nose insure the blades match precisely in size, shape and alignment. This plier combines the precision to pick up a human hair with the strength required for wire forming operations. Smooth, non-serrated jaws. 5-3/8" long. **\$22.95**

#80999 Hard Wire Cutter

Cuts hardened music wire up to 1/16" diameter. Also cuts twisted aircraft cable. 5-1/2" long. **\$20.95**

BEST BUY!

#81048 Set of All 5 Xuron Pliers described above **\$89.95**



#86705 Xuron Double Flush Cutter Heavy-duty shearing action leaves a smooth, flush edge on both sides of the cut. The 90° cutting edges stay sharper, longer. Non-glare finish reduces eye strain. **\$14.95**

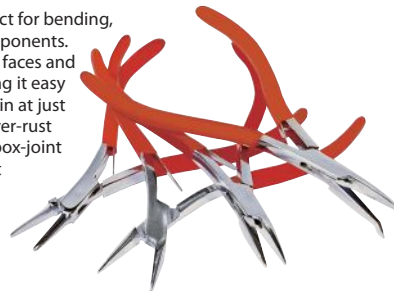
#86707 Xuron Hard-Wire and Memory-Wire Cutter Cutting effort is minimal thanks to full bypass shearing action. Rated for cutting hard wire up to 12 AWG (2 mm). List \$35.00 ... Our Price **\$29.95**

#86704 Xuron Flat/Round Nose Plier 3 mm tapering jaws for bending, forming, grasping, holding and flattening wire and other materials. List \$19.25 ... Our Price **\$16.95**

Surgeon's Stainless Steel Micro Pliers

These extremely fine pliers are perfect for bending, grasping, and positioning small components. Miniature jaws have no-mar smooth faces and are only 1/8" thick x 1/4" wide, making it easy to work in confined areas. Weighing in at just one ounce, each plier is made of never-rust surgical-quality stainless steel with box-joint construction for a lifetime of use. Set includes flat nose, bent nose, needle nose, and narrow nose. All pliers approx. 5" long.

#60399 Micro Plier Set **\$39.95**



A Great Mini Plier Value

All pliers are made of drop forged, high carbon steel with foam cushioned handles and spring return. Six-piece set includes: end nipper, needle nose, flat nose, round nose, diagonal cutter and bent nose. Pliers range from 4" to 5-1/4" long. Needle and bent nose pliers have serrated jaws for better grip.

#80974 6-piece Plier Set **\$39.95**



MICRO-MARK METAL SHOP

Premium quality half hard metal for ease in cutting, drilling, filing and bending.
All items are 12" long unless otherwise noted. All sizes listed are outside dimensions.

Metal Shop Assortments

(Numbers in parenthesis indicate number or pieces per item)

#82843 Small Round Brass Tube Assortment \$25.95

Contents: 1/16 (3), 3/32 (3), 1/8 (3), 5/32 (2), 3/16 (3), 7/32 (2), 1/4 (2)

#82844 Large Round Brass Tube Assortment \$49.95

Contents: 5/16 (6), 3/8 (6), 7/16 (3), 1/2 (3)

#82845 Round Aluminum Tube Assortment \$14.95

Contents: 1/16 (4), 3/32 (4), 1/8 (3), 5/32 (2), 3/16 (2), 7/32 (1), 1/4 (2)

#82846 Square Brass Tube Assortment \$31.95

Contents: 1/16 (4), 3/32 (2), 1/8 (4), 5/32 (1), 3/16 (3), 7/32 (1), 1/4 (3)

#82849 Round Copper Tube Assortment \$18.95

Contents: 1/16 (4), 3/32 (4), 1/8 (6), 5/32 (4)

#82851 Round Brass Rod Assortment \$12.95

Contents: .020 (2), 1/32 (5), 3/64 (2), 1/16 (4), 3/32 (2), 1/8 (2), 3/16 (1)

#82852 1/64" Brass Strip Assortment \$26.95

Contents: 1/4 (6), 1/2 (3), 3/4 (3), 1 (3), 2 (3)

#82853 1/32" Brass Strip Assortment \$42.95

Contents: 1/4 (4), 1/2 (4), 3/4 (3), 1 (4), 2 (3)



#82843

Brass Tube .014" WALL

ITEM NO.	SIZE O.D.	PCS/ PACK	PRICE/ PACK
82632	1/16"	15	\$14.95
60197	3/32"	15	\$14.95
60198	1/8"	15	\$20.95
60199	5/32"	12	\$19.95

Solid Brass Rod

ITEM NO.	SIZE O.D.	PCS/ PACK	PRICE/ PACK
82635	.020"	25	\$9.95
82636	1/32"	25	\$9.95
82637	3/64"	20	\$9.95
82638	1/16"	15	\$9.95
60227	3/32"	16	\$17.95
60228	1/8"	10	\$15.95
60229	5/32"	8	\$18.95
60230	3/16"	5	\$14.45

Square Brass Tube .014" WALL

ITEM NO.	SIZE	PCS/ PACK	PRICE/ PACK
60218	1/8"	12	\$24.95
60222	1/4"	6	\$16.95

6" x 12" Sheet Metal

ITEM NO.	MATERIAL	THICKNESS	PCS/PACK	PRICE/PACK
83125	Stainless Steel	.005"	2	\$14.95
83511	Stainless Steel	.010"	2	\$19.95
83124	Brass	.005"	2	\$10.95

ITEM NO.	SIZE O.D.	PCS/ PACK	PRICE/ PACK
60200	3/16"	12	\$24.95
60201	7/32"	10	\$20.95
60202	1/4"	8	\$19.95
60203	9/32"	8	\$20.95

Solid Brass Strip

ITEM NO.	SIZE	PCS/ PACK	PRICE/ PACK
60258	.016" x 1/4"	20	\$19.95
60263	.025" x 1/4"	15	\$16.95
60268	.032" x 1/4"	15	\$18.95
60269	.032" x 1/2"	10	\$16.95

4" x 10" Sheet Metal

ITEM NO.	SIZE	PCS/ PACK	PRICE/ PACK
60234	.005" Brass	6	\$19.95
60235	.010" Brass	6	\$21.95
60236	.016" Brass	6	\$31.95
60237	.032" Brass	3	\$29.95
60243	.025" Copper	3	\$26.95

Steel Machinist's Squares...the Ultimate in Accuracy



You've never seen or used anything better for marking a perfect 90° angle. Use for marking metal, wood, plastic, etc. Hard-to-find small sizes are a must for miniaturists and modelers. Also excellent for setting up small table saws, disk/belt sanders and other tools. Made of fine quality, fully ground carbon steel. **Note: Sizes are approximate.**

#10117 3" Blade, 1-7/8" Beam **\$14.95**

#10118 4" Blade, 2-1/2" Beam **\$19.95**

#10119 5" Blade, 3" Beam **\$20.95**

#83226 Set of 3. List \$55.85 Price **\$39.95**



Versatile Hand-Held Cutting Jig for Metal and Wood

Use this nicely made, hand-held mitering tool to make quick, accurate 15°, 30°, 45° and 90° angled cuts in round metal tubing, rods and wood dowels, as well as making clean 90° cuts in metal and wood strip stock, model train rail and more. Hardened, machined steel head is mounted onto an ergonomically-contoured 4" wood handle. Includes an integrated hold-down bar to keep fingers clear of the cutting area and 0 to 1" adjustable/removable stop for making repeated cuts. Slotted head accommodates saw blades up to .015" thick. For added capability, the head can be removed from the handle and secured in a vise. V-grooved channel holds stock from .010" to .25" high. **#87908 Multi-Angle Metal & Wood-Cutting Jig. List \$69.95 ... Our Price \$54.95**



#84255 Pipe and Tube Tweezer Set

Specially contoured tweezers securely hold round or hex-shaped objects while fabricating, assembling and soldering. Angular tip lets you access tight places. Set of 4 works on sizes down to approx. 1/8" dia. Made of durable, non-magnetic stainless steel. **\$19.95**

Bits and Pieces of Metal



Nearly one pound of assorted sizes and shapes of metal tubes and rods in lengths up to 5".

#83260 Bits and Pieces of Metal **\$26.95**

Micro-Make™ Watch Component Assortment



Perfect for model builders, crafters, D-I-Yers, jewelry artists and, of course, watch and clock makers, this random assortment of vintage components... including gears in all sizes, pins, screws, wheel pinions, armatures, studs, escape wheels, plates, ratchets and more... is a treasure trove exploding with possibilities for countless projects! With literally thousands of exceptional mini metal bits and pieces in various finishes and patinas at your fingertips, you'll find great uses for them in model railroad scenes, dioramas, jewelry pieces,

animation projects, steampunk/cosplay gear, and so much more! Each 250 gram (8.8 oz) assortment is neatly packed in a sturdy, clear plastic storage box with latching lid.

#87917 Micro-Make™ Watch Component Assortment. List \$54.95 ... Our Price **\$44.95**

Metal Forming Plier Set Bends Any Shape You Need



A Micro-Mark **Exclusive!**

#60662 Super Leverage Metal Shear The unique design cuts like a male/female punch and die, not like a scissor. That's why it's the only tool we know of for under \$100.00 that will cut sheet steel up to 18 gauge (.0478"). It will also cut thicker, softer metals (aluminum and brass up to .065") with a lot less effort. Spacing between the hardened steel jaws can be adjusted to accommodate wear and different thicknesses of metal. Made entirely of steel with vinyl grip handles. 10" long overall. **\$9.95**

This set makes loops, rings, S, C, Z, L and just about any other shape. Bends strip stock up to 1/32" thick and wire up to 3/32". The strange looking plier at the top of the photo will even bend hardened music wire. Made of polished stainless steel with box joints that keep jaws in alignment. Orthodontists use these and pay about \$41.00 **each** from dental supply houses. We buy directly from the manufacturer, which allows us to provide you with these well-made, useful tools at a great price.

#60398 Metal Forming Plier Set **\$49.95**



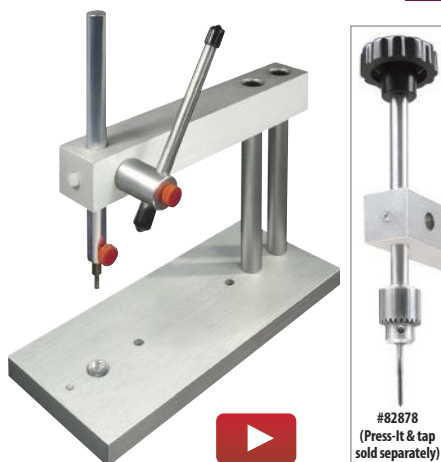
Jaw Detail

Micro Forming Plier with Delicate Control



Use this plier's uniquely shaped jaws to form intricate shapes in wire and light gauge strips of brass and aluminum. Ergonomically designed, this plier features Xuron's Light-Touch™ return spring plus non-slip Xuro-Rubber™ handle grips for comfort and delicate control.

#86588 Xuron Micro Bending Plier **\$17.95**



Use **Press-It** for press-fitting small parts together and for removing gears and wheels from axles. Use as a hole punch with optional tooling (below). Includes press with 3/32" press tip, die bore plug, ram thumbscrew, adjustable nylon gib and instructions. Constructed of steel and aluminum alloy. Base is 7" x 3". Throat depth is 4-1/4".

#83539 Press-It. List \$103.95 ... Our Price **\$79.95**

#82878 Drill/Tap Holder Accessory for Press-It **\$39.95**

#83708 **9-piece Tooling Set for Press-It** includes 1/16" tip; bored cone for pointed axles; 3/16" blank; oversize 1/2" O.D. tip; center punch tip; and 1.5 mm, 2 mm, 3/32" and 1/8" bored tips. **\$19.95**

#83709 **9-piece Hole Punch Set for Press-It** includes one punch and one die in each of the following inch sizes: 1/16, 5/64, 3/32, and 1/8, plus adapter needed to mount punch to bottom of ram. Note: Maximum thickness for all hole punching is .020" half-hard brass or equivalent. List \$66.95 ... Our Price **\$39.95**

#84424 **V-plate for Press-It** For removing wheels and gears from axles. **\$3.95**

Unique Fiber Grip Tweezer Set



#88038 **8-piece Fiber Grip Tweezer Set with Leather Case** This set of exceptional tweezers is perfect for use in many applications, including jewelry work, brazing, soldering and any type of small parts handling. Set features 6 cross-lock type (self-closing) and 2 non-locking, all with fiber grips that protect the user from excessive heat when soldering parts. Sizes range from 6-1/4" to 6-3/4" long with serrated tips for sure grip. Cross-lock tweezers include straight, oblong (5/16" to 1" capacity), round (5/8" to 1-3/8" capacity), square (1" to 1-3/4" capacity), angled and curved; non-locking tweezers have straight tips and open/close from 0 to 3/4". 6-1/4" to 6-3/4" long. All are packed in a handsome zippered leather case. List \$34.95 ... Our Price **\$29.95**



\$19
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES

Our **3-in-1 Metal Worker** combines three metal and plastic sheet fabrication tools into a single, compact, bench-top machine: shear, bending brake and slip roll. Turning the crank shears metal and plastic sheet to exact length. The center bending brake makes bends up to 90°, and contains 4 adjustable V-shaped carbon steel dies for making compound bends. The 3-roller slip roll forms curves, cylinders and cones in metal and plastic sheet, and forms gentle curves in wood sheet and metal tubing. Includes positioning guide for square cuts, spring-loaded shear hold-down plate, and depth stop for making duplicate parts. Maximum sheet thickness: 1/32". Maximum width of shear/brake/roll: 8". Crank can be moved from one end to the other. Fully adjustable for precision fabrication.

#86556 3-in-1 Metal Worker
List \$299.95 ... Our Price **\$219.95****



#89246 **Throat-Less Metal-Cutting Rotary Shear** makes clean, distortion-free cuts in annealed (soft) metals up to 10x faster than hand-held shears. The upper drive gear is connected to the handle and has a reversible pawl which draws the material into the beveled, hardened cutting wheel with ratchet action. Make straight and left-hand curved cuts in materials up to 1.5 mm thick x any length x any width. Great for any metal shop. **\$74.95**



#82747 **Quick-Lock Milling/Drilling Vise** Specially designed vise adjusts quickly and easily to hold stock securely while drilling, machining and more. 2" wide x 5/8" deep jaws have grooves for holding round objects; opens 1-1/2". Overall height 1-5/8". Made of machined steel. **\$69.95**



A Micro-Mark Exclusive!

Engineered to incorporate unique features and increased versatility right out-of-the-box, the **MicroLux® Half-Ton Arbor Press** gets the job done like no other. There are other models on the market, but ours is the first to include a specially designed locking work table that not only rotates 360°, but can be positioned up to 3/32" from center (3/16" total travel) anywhere within the X and Y planes. This makes "jigging" of the press for special applications easier than ever before, along with providing the precision detail adjustment needed to "land-the-ram" exactly and repeatedly when your work calls for off-center pressing. Other innovations include on-board tooling storage, and a special adapter designed to hold our highly useful punch and die sets, which are available separately at left.

#87402 MicroLux® Half-Ton Arbor Press
List \$119.95 ... Our Price **\$99.95**

With a Quick Flip of the Handles, SwitchGrip and StripGrip Are 2 Tools in 1!

Through clever design and engineering, these innovative multi-purpose pliers combine the functionality of two great tools into one simply by rotating the handle. Each plier features spring-loaded jaws and ergonomically curved handles with non-slip grips for comfort and control.



#88904



#88905



#88906

#88904 **Mini SwitchGrip Dual Jaw Plier** includes a diagonal jaw cutter for wire and plastic, and a long nose plier with serrated tips, built-in 12 gauge and 16 gauge wire strippers, plus terminal crimper and jaw lock. **\$21.95**

#88905 **SwitchGrip Dual Jaw Plier** includes a flat nose plier with pipe grip jaws and jaw lock, and a long nose plier with serrated tips, built-in 12 gauge and 16 gauge wire strippers, terminal crimper, and up to 10 gauge wire cutter. **\$23.95**

#88906 **StripGrip Dual Jaw Wire Plier** For solid and stranded wire. Includes a diagonal jaw wire cutter and crimper for up to 10 gauge, and 10 to 20 AWG wire stripper/gripper with jaw lock. *Note: Handle grips are NOT insulated.* **\$22.95**

Make Your Own Photo-Etched Parts with Pro-Etch!

Nothing adds the WOW factor to your models and miniatures like precision-crafted photo-etched metal details...and now, with the revolutionary Pro-Etch System, you can make them right at home.

This is a true photo-resist metal etching system that employs advanced technologies and materials previously available only to industrial users. It uses your computer, an inkjet printer, and materials included in the system to achieve incredibly fine results. Virtually any small item that can be made from a flat piece of metal can be created with the Pro-Etch System in a fraction of the time it would take using other tools and methods (if it could be done at all). Set includes: specially developed, high resolution, inkjet film (two, 8-1/2" x 11") • Photo-resist material (one, 19" x 12") • Brass and stainless steel sheet metal (one each, 6" x 12") • Photo-resist laminating machine and carrier sheets • Exposure frame and clamps • Sodium Hydroxide* developing/stripping solution (16 oz) • Plastic developing/stripping trays • Etching tank with circulating pump • Ferric Chloride* etchant solution (16 oz) • Metal-prep pad, plastic tweezer, measuring cup, apron, goggles and gloves • How-To manual to guide you through each step of the process. **See our website for refills.**

Note: Maximum overall size of etched sheet: 3" square x .010" thick.

#83123 Pro-Etch System (ships by ground to 48 contiguous U.S. only). List \$174.50 ... Our Price **\$119.95**

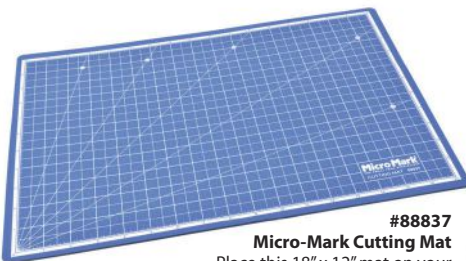
#83123F Pro-Etch System – Export Version. List \$174.50 ... Our Price **\$119.95**

**Note: System contains chemicals that are highly caustic. Careful handling of these chemicals and good ventilation are prerequisites for the use of this system. Not for use with aluminum. To make the Pro-Etch System suitable for international shipping, two of the chemicals required for use of the system (marked with * above) have been removed from the Export Version. To use the Pro-Etch System, you will need to purchase these chemicals locally.*

A Micro-Mark Exclusive! 2 Years in Development!



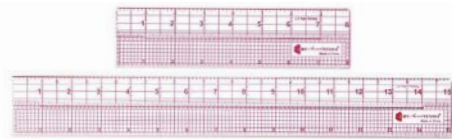
Model & accessories not included



#88837

Micro-Mark Cutting Mat

Place this 18" x 12" mat on your workbench or even your dining room table and never worry about knife damage again. **\$16.95**

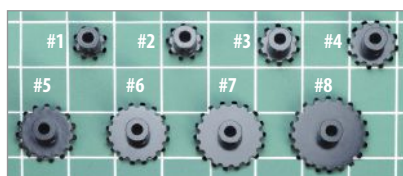


#89002 Cut-Align Ruler™ Set Uniquely designed rulers feature a thin slot in the center which allows you to make straight, clean, precisely measured cuts every time. Set includes 8" and 15" rulers with standard inch graduations, centering rulers and more. Made of strong crystal clear plastic, you can see exactly where and what you are cutting for better accuracy and less mistakes. **\$20.00**



#88039 Heavy Duty Utility Shear

Hardened edges stay sharp enough to slice off a piece of 1/16" aluminum then cleanly cut a sheet of paper, over and over again. Use for a wide variety of materials, including soft metals up to 1/16" thick, leather, cloth, paper and more. Features include comfortable non-pinching handles, internal opening spring for easy cutting action and handle lock/hang-up hook. **\$19.95**



Use these sprockets and chain to power animated displays, robotics, model trains and other miniature mechanisms. They're made of tough, self-lubricating, durable acetal resin and easy to use. All sprockets are designed to press-fit on a 1/8" diameter shaft* and the chain links snap apart for easy adjustment.

**Knurling or pinning is recommended.*



Made in USA

Introducing ErgoKiwi Precision Hobby Knives

Take your basic hobby knife handle and re-imagine it, making it safer, more comfortable and easier to use. Then, craft it by hand of beautiful, exotic materials right here in the USA and what have you got? The ErgoKiwi! The organic shape of ErgoKiwi's handle allows you to hold it in a more natural way, keeping the index finger joint straight so you can work more comfortably for longer periods of time. Features include reversible grip for difficult cuts, durable stainless steel assembly and magnetic blade holder. Holds any #2 blade (#88886 holds no. 11). Includes canvas storage bag. **\$24.95**

#88885 ErgoKiwi Plastic 2.0 Knife Injection-molded Polycarbonate makes this knife virtually invincible! **\$24.95**

#88716 ErgoKiwi Plywood Knife Made of aircraft-grade Finnish Birch plywood, this beautiful tool is comprised of over 60 interlocking layers for maximum durability. **\$74.95**

#88714 ErgoKiwi PaperStone Knife This amazing material feels and lasts like stone, but is actually made from compressed recycled paper and non-petroleum resin. **\$89.95**

#88715 ErgoKiwi Bocote Knife Bocote is a beautifully grained, dense and durable hardwood native to Central America. **\$79.95**

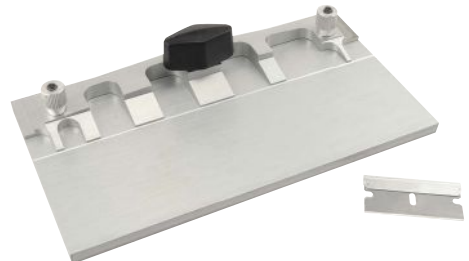
#88886 ErgoKiwi Bocote Knife, No. 11 Same material as above, but designed to hold any no. 11 blade. **\$79.95**

#84738K 8-Piece Mini Sprocket Set Includes 1 of each sprocket shown. All sprockets are 5/16" deep. Hubs are 1/4" outside diameter, except for #1, which is .236". List \$28.60 **\$17.95**

NO.	TEETH	PITCH DIA.	DIA. OVER CHAIN
#1	8	.318"	.402"
#2	9	.356"	.430"
#3	10	.394"	.480"
#4	12	.471"	.550"
#5	15	.586"	.675"
#6	16	.625"	.720"
#7	18	.702"	.785"
#8	20	.780"	.865"



#84791 Mini Chain \$18.95 per foot
Pitch .1227; width .162; thickness .082;
Sold only in increments of one foot.



Etch Buddy is a superior-quality tool that you use to fold, bend and shape photo-etched flat parts into 3D objects with unparalleled precision and efficiency. It has a wide assortment of finger widths and contours to accommodate all shapes and sizes of photo-etch sheet up to 6-1/2" long. The top plate may be rotated 180° for long, straight bends. *Note: For full length bends, we recommend substituting a metal ruler, such as #10115 (sold separately), for the blade.* Unique features ensure perfectly square bends every time. Beautifully made of CNC-machined aluminum.

#86143 Etch Buddy Photo-Etch Bender
List \$64.95 ... Our Price **\$49.95**

The Best Way to Cut Photo-Etched Parts



The finely-contoured tips of the Xuron Professional ET Photo-Etch Scissor use a delicate shearing action to cut parts cleanly without distorting. Great for cutting sheet brass as well. Made of hardened steel with cushion-grip handles and spring return.

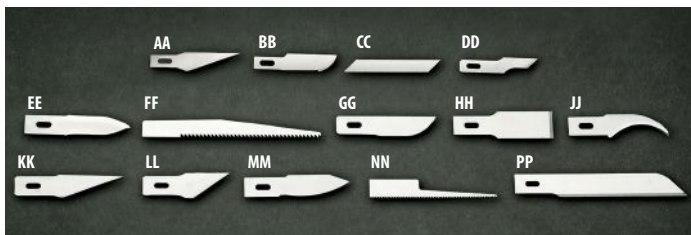
#84903 Professional Photo-Etch Scissor
List \$31.95 ... Our Price **\$26.95**



Bare Metal Foil is adhesive backed real metal, only .0005" thick. It's easy to apply, conforms to all curvatures and allows details to show through. Includes two 6" x 12" sheets and instructions.

#81636 Ultra Bright Chrome \$15.95
#80795 Matte Aluminum \$15.95

Precision cutting blades and knives for hobbycrafts, graphic arts and household use. All blades are crafted of the highest quality carbon steel with hard, sharp points and finely honed cutting edges.



Razor Sharp Blades for Use with No. 1 Knife Handle

AA. #14360 No. 11 Blade (15) \$6.95

CC. #36106 No. 13 Saw Blade (5) \$5.95

AA. #14178 No. 11 Blade (100) \$20.95

DD. #50279 No. 16 Blade (15) \$9.95

BB. #36102 No. 10 Blade (5) \$5.95

Razor Sharp Blades for Use with Nos. 2, 5 or 6 Knife Handles

EE. #14364 No. 23 Blade (5) \$10.95

KK. #14362 No. 2 Blade (15) \$9.95

FF. #14366 No. 27, 3" Saw Blade (5) \$8.95

KK. #14363 No. 2 Blade (100) \$42.95

GG. #36113 No. 22 Blade (5) \$5.95

LL. #50280 No. 24 Blade (15) \$10.95

HH. #36111 No. 18 Blade (5) \$3.95

MM. #14365 No. 25 Blade (5) \$9.95

JJ. #14367 No. 28 Blade (5) \$13.95

NN. #36110 No. 15 Saw Blade (5) \$9.95

PP. #36115 No. 26 Blade (5) \$7.95

Micro Saws...

#11 Blades with Teeth!



Excellent tools for cutting plastic, soft metal and wood in tight places and when a knife blade just won't cut it. Set includes 6 blades...two .010" thick x 40 tpi; two .010" thick x 30 tpi; and two .015" thick x 24 tpi...and 5" long aluminum handle. Blades are made of premium quality steel.

#14345 Micro Saw Set \$12.95

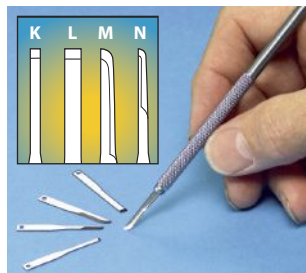
Micro Saw Blades

#14346X2 .010" x 40 tpi, package of four \$7.95/pkg.

#14347X2 .010" x 30 tpi, package of four \$7.95/pkg.

#14348X2 .015" x 24 tpi, package of four \$7.95/pkg.

Micro Knife Handle Holds the World's Smallest Surgical Blades



Blades used for micro-surgery are held in a super thin knife handle only 4-1/4" long x 3/16" diameter. Use for cutting, carving and chiseling the smallest details on models, dollhouse furniture, duck decoys and other scale model projects. Stainless steel handle with knurled grip. Blades are shown actual size.

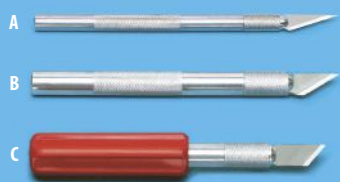
#81067 Knife handle with one of each blade shown \$14.95

K. #81084 #61 Blade, pkg. of 5 \$5.95

L. #81085 #62 Blade, pkg. of 5 \$5.95

M. #81086 #67 Blade, pkg. of 5 \$5.95

N. #81087 #67M Blade, pkg. of 5 \$5.95



Precision Cutting Knives

A. #14349X2 NO. 1 KNIFE The world's best selling hobby, craft and graphic arts knife. Aluminum handle, 4-7/8" long. Pkg. of two with two no. 11 blades. \$7.95

B. #14351X2 NO. 2 KNIFE Larger diameter, slightly longer and heavier than the no. 1 knife. Package of two with two no. 24 blades. \$9.95

C. #36117 NO. 5 KNIFE Contoured plastic handle with metal blade lock. 4-1/4" long. Includes one no. 19 blade. \$6.95

Surgical Scalpels...the Ultimate Cutting Tools

D. This genuine surgeon's scalpel is excellent for fine intricate cutting in model making, graphic arts, craft and lab work. Stainless steel handle holds interchangeable blades made of surgical-grade steel. Set includes handle and two each of 4 blades shown. #50281 Scalpel/Blade Set \$11.95

Scalpel Blades, package of 5 - \$3.95 per package

E. #14570 #11 F. #14571 #10 G. #14572 #12 H. #14573 #15

Protective Cutting Pads Heal Themselves

Place on your workbench or even your dining room table and never worry about scratches or cut marks again. Pads actually heal themselves instantly after each cut. Surface stays smooth after thousands of cuts and blades will last longer. Made of 3 ply, non-glare polyvinyl. Double sided for twice the life. You've got to try one to believe it.

#36133

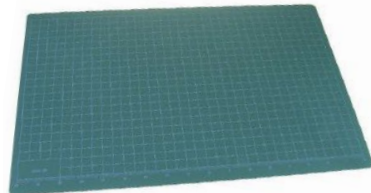
8-1/2" x 12" pad \$21.95

#36134

12" x 18" pad \$29.95

#60511 3" x 4"

Try It Size pad \$6.95



#89115 Revo Folding Utility Knife Revo's quick blade-changing mechanism provides fast, safe blade swaps and clever fold-up design allows it to easily slip right into your pocket or clip to your belt. Open center ring provides extra grip for safety and support at any cutting angle. Includes one standard two-notch, double-sided blade. List \$23.46 Our Price \$19.45

#89141 Utility Knife Blades, 2-Notch, 5-Pack \$3.95

#89142 Utility Knife Blades, 2-Notch, Bulk Pack of 100 with Dispenser Box \$32.95

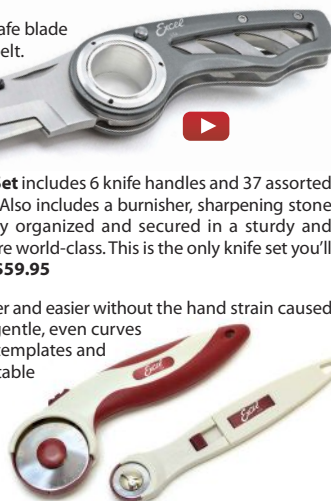


#83231 Excel Super Deluxe Knife Set includes 6 knife handles and 37 assorted blades for virtually any cutting job! Also includes a burnisher, sharpening stone and hobby awl. All items are neatly organized and secured in a sturdy and portable storage case. Excel blades are world-class. This is the only knife set you'll ever need. List \$71.41 ... Our Price \$59.95

Excel Rotary Knives cut faster, cleaner and easier without the hand strain caused by scissors and utility knives. Make gentle, even curves without really trying and zip across templates and straight-edges like lightning. Retractable blade guard keeps your fingers safe.

#86779 Excel Rotary Knife, Large 40 mm blade \$14.95

#86778 Excel Rotary Knife, Small 20 mm blade \$7.95



Industrial Quality Razor Blades



Our razor blades are a cut above any you've ever used. They'll hold their finely honed cutting edges far longer than ordinary blades. Made of high carbon surgical steel with steel backs. Once you use these, you'll never go back to hardware store quality. Packed 100 blades in a convenient dispenser box.

#14292 Razor Blades (100/pkg.) \$10.95

Deluxe Miter Box Holds Stock Securely for Super-Accurate Cuts



Three twist-locking, cam-action clamp pins install in holes in plastic base to hold stock up to 1/2" thick by 2" wide. Use extra-wide lip on front of miter box to position against edge of workbench, or hold in vise for even more security. Includes Zona® brand razor saw with fine-pitched 32 tpi blade and five slots for cutting at 30°, 45°, 60°, 67.5° and 90°.

#83277 Easy Miter Box Deluxe \$17.95



Ergonomically contoured and covered in smooth non-slip rubber, FitGrip #1 Knife Handles provide confident control while cutting a wide variety of materials. FitGrip's well-designed, knurled metal screw-type blade locking/unlocking system at the back end of the handle is leaps and bounds beyond the traditional #1 Knife handle. Additionally, opposing flats on the handle prevent roll-way when the knife is resting on your work surface. Set includes **two** FitGrip knife handles, each with a #11 blade and protective cap. FitGrip holds all of the following blade types: 5, 6, 10, 11, 12, 13, 15, 16, 17, 17A & 21.

#89114 FitGrip #1 Knife Handle Set \$14.95



#88072 Deluxe 7-Position Adjustable #3 Scalpel Handle This unique adjustable scalpel handle provides unparalleled versatility, with 7 locking blade positions at 0°, 25°/-25°, 50°/-50° and 85°/-85°. Twice the weight of ordinary scalpel handles for a superior feel and better stability when making deeper cuts. 6-1/4" long; made of non-magnetic, high-quality stainless steel. Order blades separately below. **\$20.45**

Scalpel Blades, pkg. of 5 - \$3.95/pkg.

#14570 #11 #14571 #10
#14572 #12 #14573 #15



#86464 Combination Circle Cutter and Compass has an expanding beam that sets with slide rule accuracy. Sharp pivot point and interchangeable razor-sharp blades/pencil tips (included) let you draw or cut circles up to 11-1/2" in diameter. Includes protective rubber pivot pad. Works on paper, card stock, plastic, thin wood and cloth. List \$11.50 Price **\$9.95**

#86464BL 10 extra blades for above, plus container. **\$5.95** 3 or more **\$4.95/pkg.**



Miniature Chisel Set

Set of 7 sharply honed miniature chisels for carving and shaping precise, intricate details into model surfaces. Made of surgical quality mirror-finish stainless steel with 6" long grooved octagonal handles for sure grip. Includes convenient storage wallet.

#83253 Miniature Chisel Set \$19.95

R. Now Your Knife Blades Will Last Twenty Times Longer

Patented saddle holds the blade at the exact sharpening angle for a razor-sharp edge in seconds. Pays for itself many times over. Arkansas Whetstone sharpening block provides premium sharpening ability at reasonable cost. For use with knife handles nos. 1, 2, 5, 6, and Soft Grip. Sharpens nos. 11, 16, 2, and 24 blades. (Sharpener color may vary.)

#81619 Knife Sharpener \$25.95

#60882 Special honing lubricant, 1/2 oz. \$4.95

S. - T. Stainless Steel Mini Straight Edge Protects Your Fingers

Cutting a straight line with a knife is easy and safe with our knob-held stainless steel straight edges. Just the right size for hobbies, crafts and graphic arts work.

S. #14162 6" long x 2" wide x 3/32" thick **\$13.95**

T. #60916 12" long x 2" wide x 3/32" thick **\$19.95**

P. Precision Knife Set

A popular, all purpose knife set for modelers, miniaturists, woodworkers, graphic artists and household use. Includes light, medium and heavy duty blade holders, nos. 1, 2, and 5 handles and 13 assorted surgically sharp blades for unlimited cutting capabilities. Also includes an attractive wood storage case. Made in USA.

#60924 Precision Knife Set. Value \$40.45 ... Our Price \$19.95

Q. Deluxe Razor Saw/Knife Set

This complete set of razor saws, with tempered, nickel-plated steel blades, makes fine cuts in wood, plastic and non-ferrous metals. Includes no. 5 knife handle, one 3/4" x 5" x 42 tpi blade, one 1" x 5" x 42 tpi blade, one 1-1/4" x 5" x 24 tpi blade, one no. 15 keyhole saw blade, and 5 assorted knife blades.

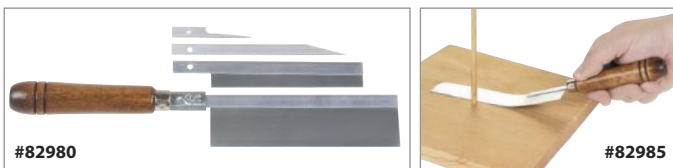
#50284 Razor Saw Set \$19.95

#22118X2 Extra-fine Blade, 1-1/4" x 5" x 54 tpi \$10.45

Extra Razor Saw Blades - Sold in Packages of Two

#81860X2 3/4" x 5" **#81861X2** 1" x 5" **#81862X2** 1-1/4" x 5" x 42 tpi (2) **\$10.95** x 42 tpi (2) **\$10.95** 5" x 24 tpi (2) **\$10.95**

Zona High Precision Razor Saws



#82980

#82985

#82980 Multi-purpose Zona 4-in-1 Saw Set includes one 32 tpi razor saw blade for cutting wood, one 52 tpi razor saw blade for cutting metal and plastic, two 24 tpi saber saw blades for curved cuts in wood (1 regular and 1 push-style keyhole type), and one finely finished 4" long wood handle with wing nut and screw for attaching blades (order extra blades on our web site). **\$11.95**

#82985 Zona Flush Cutting Saw has a 6-1/2" long x 1-1/4" wide flexible steel blade ideal for flush cutting dowels, plugs and pegs without marring the surrounding surface. 16 tpi x .012" thick blade cuts on pull stroke. 4" long wood handle. **\$11.95**

Milliput...the Master Modeler's Putty of Choice Worldwide



#81004 Standard Grain Milliput, gray color, net wt. 4 oz \$9.95

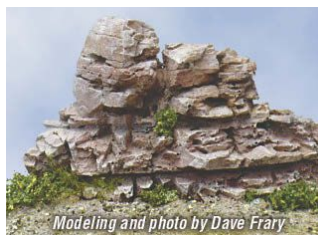
#81005 Superfine Grain Milliput, pure white, net wt. 4 oz \$16.95



Milliput is the two-part, easy-to-use epoxy putty that molds like clay and cures to the hardness of porcelain. Use for scratch building, sculpting, customizing repairing, pattern making, gap filling, and thousands of other projects. Roll it as thin as 1/64" for making super detailed scale parts. Can be sawn, drilled, filed, sanded and painted when cured. Smooths with a wet finger and cleans up with water before it cures. Fully cured in 5 hours without heat or sooner with a hair dryer.

#81661 Five-piece Carving Set is great for Milliput, wax, clay and more! Double-ended stainless-steel carvers with round, triangular, square, tear-drop and needle-point tips. Sharp cutting edges and knurled gripping surfaces give you precision control. Each is 7" long overall. **\$24.95**

Hot Knife/Soldering Iron is Great for Carving Foam



Modeling and photo by Dave Frary



Compact, lightweight, 30 watt soldering iron with steel barrel and heat resistant handle develops up to 720°F. Pencil-point tip gets into the tightest places. Handle stays cool while you work. Hot knife attachment is ideal for modeling, carving and shaping rock faces and other features in foam. Also welds plastics.

#17107 Hot Knife/Soldering Iron \$24.95

#14360 Extra knife blades (15) \$6.95

Micro-Mark® Miniature Lumber Yard

All Micro-Mark miniature lumber is clear, kiln-dried No.1 grade. Wood sheets are micro-sanded both sides. Siding and moldings are precision milled and require no sanding. For cutting sheet stock into narrow strips, we recommend Table Saw #87775 for thicknesses up to 1/4". For sizes thicker than 1/4", and for plywood, use the MicroLux® Tilting Arbor Table Saw, #80463.

Our siding, hardwoods and plywood are also ideal for laser cutting!

BIRCH PLYWOOD 12" Wide x 24" Long 1st Quality Aircraft Grade, Good 2 Sides Price is PER PIECE		
Thickness	Item #	Price ea.
1/64"	50193	\$19.95
1/32"	50194	\$12.95
1/16"	50195	\$12.95
3/32"	50196	\$17.95
1/8"	50197	\$21.95
3/16"	50198	\$11.95
1/4"	50199	\$13.95

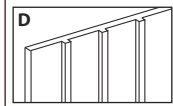
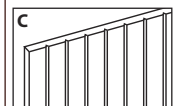
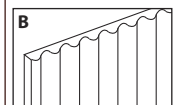


Hardwood Dowel Value Pack

Includes 10 each of 1/8", 3/16", 1/4" and 3/8" diameter (9" long), plus 20 pieces of 1/16" diameter (12" long).

#86409 Wood Dowel Assortment (60 pieces...a \$15.80 value!) Our Price **\$12.95**

MILLED BASSWOOD SIDING
3-1/2" Wide x 24" Long
x 1/16" Thick
Use for dollhouses, model railroads, ship models, architectural models, dioramas and more.



\$15.95/pkg. of 3 pieces

Item #	Spacing
A. Clapboard	
60796X3	1/32"
60797X3	1/16"
60798X3	3/32"
60799X3	1/8"
60800X3	3/16"
60801X3	1/4"
60802X3	3/8"
60803X3	1/2"
B. Corrugated Siding/Roof	
60806X3	.040"
60807X3	1/16"
60808X3	3/32"
60809X3	1/8"
C. Scribed Sheathing	
60810X3	.025"
60811X3	1/32"
60813X3	3/64"
60814X3	1/16"
60815X3	3/32"
60816X3	1/8"
60817X3	3/16"
60818X3	1/4"
60819X3	3/8"
60820X3	1/2"
D. Board & Batten	
60821X3	1/16"
60822X3	3/32"
60823X3	1/8"
60824X3	3/16"
60825X3	1/4"
60826X3	3/8"
60827X3	1/2"

PRECISION MILLED BASSWOOD STRIPS 24" Long			
Size (Thick x Width)	Item #	Pieces Pkg.	Price/Pkg.
1/32" x 1/32"	80001	10	\$5.95
1/32" x 1/16"	80002	10	\$5.95
1/32" x 3/32"	80003	10	\$6.95
1/32" x 1/8"	80004	10	\$6.95
1/32" x 5/32"	80005	10	\$6.95
1/32" x 3/16"	80006	10	\$7.95
1/32" x 1/4"	80007	10	\$8.95
1/32" x 5/16"	80008	10	\$9.95
1/32" x 3/8"	80009	10	\$12.95
1/32" x 1/2"	80010	10	\$14.95
1/32" x 3/4"	80011	10	\$14.95
1/32" x 1"	80012	5	\$9.95
1/32" x 2"	80013	5	\$15.95
1/16" x 1/16"	80014	10	\$6.95
1/16" x 3/32"	80015	10	\$6.95
1/16" x 1/8"	80016	10	\$7.95
1/16" x 5/32"	80017	10	\$7.95
1/16" x 3/16"	80018	10	\$8.95
1/16" x 1/4"	80019	10	\$10.95
1/16" x 5/16"	80020	10	\$10.95
1/16" x 3/8"	80021	10	\$13.95
1/16" x 1/2"	80022	10	\$15.95
1/16" x 3/4"	80023	10	\$19.95
1/16" x 1"	80024	5	\$12.95
1/16" x 2"	80025	5	\$17.95

HARDWOOD SHEET		
All 24" Long • Basswood – 4" Wide Mahogany and Cherry – 3" Wide		
BASSWOOD – 3 Sheets Per Package		
Thickness	Item #	Price/Pkg.
1/32"	50101	\$11.95
1/16"	50102	\$14.95
3/32"	50103	\$14.95
1/8"	50104	\$17.95
3/16"	50105	\$17.95
1/4"	50106	\$19.95
5/16"	50107	\$26.95
3/8"	50108	\$29.95
BASSWOOD – 1 Sheet Per Package		
1/2"	50109	\$12.95
3/4"	50110	\$16.95
1"	50111	\$16.95
2"	50112	\$22.95
MAHOGANY – 2 Sheets Per Package		
1/32"	82263	\$11.95
1/16"	82264	\$11.95
3/32"	82265	\$13.95
1/8"	82266	\$15.95
3/16"	82267	\$17.95
1/4"	82268	\$21.95

SHIP MODEL DECK SHEETS 3" x 22" x .050" Thick Price is PER PIECE Individual basswood strips glued-up with black glue to simulate caulking. Very realistic and a great time saver.			
Plank Width	Item #	Price ea.	
1/16"	60857	\$16.95	
3/32"	60858	\$14.95	
1/8"	60859	\$14.95	
3/16"	60860	\$14.95	

#81847 Micro Broaches Set
List \$25.75
Our Price **\$15.95**



Plank Width	Item #	Price ea.
1/16"	60857	\$16.95
3/32"	60858	\$14.95
1/8"	60859	\$14.95
3/16"	60860	\$14.95

Great for micro filing, shaping, carving and creating the finest details in wood, resin and plastic. Stainless steel spiral teeth remove rust or dog and are contoured to remove material on the pull stroke. Set includes one tapered to .020" dia.; the other to .033" dia. Wood handles are 3/8" dia. x 4" long. Total length 5".



#83557 Basswood Assortment
8 pieces each in 23 most popular sizes from 1/32" to 1/4" for building structures, railcar loads, and hundreds of other uses. 184 pieces, 12" long.
List \$60.00 Our Price **\$49.95**



Miter Box and Saw for Precision 45° Cuts in Wood and Soft Metal

Aluminum miter box with 1/16", 3/32", 1/8", 5/32", 3/16" and 1/4" slots to hold narrow strips of wood or metal. Two 45° and one 90° cutting slots, machined for accuracy. 3/4" x 1-3/4" capacity. 5-1/4" long. Includes handle and 1-1/4" deep, 5" long, 24 tpi steel blade.

#22114 Miter box/saw set **\$20.95** **#22115** Miter box without saw **\$13.95**

#22118X2 Extra 54 tpi blades (2) **\$10.95** **#81862X2** Extra 24 tpi blades (2) **\$10.95**

#36117 Saw/blade handle **\$6.45**



Duplicating Jig for Cutting Strip and Tube Stock

V-shaped groove in precision-machined fixture holds stock while cutting with a razor saw. Integral slot guides saw blade for perfectly square cut. Sliding gauge locks in place for cutting multiple pieces in lengths up to 3". Works on any shape stock up to 1/4" in any one dimension. Bolt to bench or hold in vise. Made of blackened steel. (Razor saw not included.)

#84388 Duplicating Jig **\$28.95**

Miter Master Makes Clean, Sharp Miters in Plastic and Wood

An excellent tool for ship modelers, miniaturists, airplane modelers, model railroaders and picture framers! Cuts miniature molding, model railroad timbers, dowels, plastic and wood structural shapes, strip stock, ship model planking, even full size picture frame molding, and it can also cut your assembly time in half. Razor sharp blade cuts across the grain with a clean, smooth shaving action and it's as easy to use as a pair of scissors! Has left and right hand, 45° miter fence and scored marks for lining up stock for other angles. Precision made nickel-plated steel handles and aluminum alloy anvil. Will cut stock up to 1/2" thick x 1-1/2" wide. An industrial quality tool originally made to cut automobile interior trim.

#50348 Miter Master **\$34.95** **#50349** Extra Blade **\$15.95**



The Only Way to Get a Wood Dowel Under 1/16" Diameter

Dowels smaller than 1/16" dia. are not available "off the shelf," so you can use our Draw Plate to easily make them yourself. The hardened steel plate has a series of sharp-edged tapered holes which range from approximately 3/32" diameter down to .020" diameter. To make a small-diameter dowel, clamp the plate in a vise, then draw a 1/16" round or square wood strip through the series of holes until the wood is shaved to the diameter you need. Overall size: 5-1/2" x 1" x 3/32" thick.

#50330 Draw Plate. List \$51.65 ... Our Price **\$29.95**

#50200X2 Hardwood Dowels – .085" dia. (1/16" nominal) x 12" long, 10 pieces. **\$6.95**





Chop-It Makes Accurate Miter Cuts Easy



Chop-It XL Makes Precision Miter Cuts in Long Strip Stock



15" extra-long base with adjustable stop lets you duplicate long pieces with ease. Handle may be positioned in 2 different locations for left- or right-hand use. Cuts material up to 3/32" thick using single edge razor blades. Includes pre-assembled base, aluminum handle, 2 cutting guides, 2 cutting guide clamps with thumbscrews, 2 razor blades and 4 non-slip rubber feet.

#86288 Chop-It XL \$39.95 #14292 Razor Blades (100) \$10.95



Sand-It Gives Precision Finish on Small Parts

Sand-It is designed to give you a quick, precision finish on wood, plastic and metal sheet and strip stock. Also works beautifully to square-up cut ends of brass tubing. Use whenever you need a fine, precise fit of parts, such as inlay work, marquetry and more. Works on material up to 4" wide x 1" thick x any length. 4-sided sanding block lets you have four different grits mounted at the same time. Includes pre-set angle guides for 30°, 45°, 60° and 90° plus protractor-type guide for any angle in between.

#84048 Sand-It \$29.95

#86620 20-piece Sanding Strip Set includes 5 each of 180, 220, 320 and 400 grit strips. \$10.95



Miter-Rite is Precision in Miniature

Next to our powered Miter/Cut-Off machine, this is the finest miniature tool you can buy for making perfect angle cuts in wood, plastic and soft metal. Cuts are adjustable in 1° increments with a range of 65° on each side of 90°. Blade holder keeps blade absolutely perpendicular to the base, assuring straight and accurate cuts. Made of tough "football helmet" Cyclocac plastic for a lifetime of use. Comes with one 54 tpi saw blade. Cuts stock up to 5/8" thick x 2" wide x any length.

#15215 Dobson Miter-Rite \$39.95

#22118X2 Replacement Blades (2) \$10.45

Double-Edge Razor Blades... with Ultra-Fine Saw Teeth!

Special razor blades made just for model builders have 70 teeth per edge and are only .005" thick. You'll get the finest, smoothest cuts in plastic, resin and wood without leaving large gaps in the material. You can even cut 1/32" off the end of brass tubing with ease. Double-edged for twice the life. Package of 5 blades. #85853 Ultra Fine Saw Blades (5) \$16.95

#86084 Ergonomically contoured Wood Handle for Ultra Fine Saw Blades (#85853, sold separately) assembles in seconds and is comfortable to use. Handle is 6-1/4" long overall. \$9.95 3 or more \$7.95 ea.



#85853

World's Smallest Miter Box?



#85853 Blades and #86084 Handle sold separately

Make the finest 30°, 45° and 90° miter cuts in wood, metal and plastic strips, rods and tubes up to .25" wide x any length! Excellent for cutting brass tubing...especially very short pieces used for mast bands and other items. Includes adjustable stop for making duplicate cuts quickly and easily. Works best with our Ultra Smooth Saw Blades (#85853, available separately, above). Approx. 5-5/8" long x 5/8" wide x 3/16" high. #86407 Extra-long Micro Miter Box \$16.95

Copy and measure any shape by simply pressing our Contour Gauge against the shape to be copied. 192 steel wires capture fine details.

#88433 6" Contour Gauge \$11.95



Modeler's Multi-Tool Does it All!



First, this is the most comfortable knife handle you've ever used and the adjustable chuck will hold every hobbycraft blade made. Second, it's the finest pin vise we've ever seen. The brass chuck and 4 collets will hold drill bits up to #41 (.096"). Closes to zero. Third, it's an indispensable hand vise for holding micro-size parts while filing, drilling, cutting and more. The knurled brass tensioning knob at the back end draws all items tightly into the chuck. Handle and vise head are molded nylon. All other components are solid brass. 1/2" x 5" handle. 1/2" vise capacity. A beautifully made tool!

#60531 Modeler's Multi-Tool List \$43.50 ... Our Price \$34.95



Wood Strip Cutter with Micrometer Accuracy

Cut wood strips quickly and easily with this precision cutter. One turn of the vernier hand wheel moves the blade in precise 1/32" increments. Cuts strips up to 1/2" wide. Uses standard #11 blades for Balsa or #2 blades for harder woods. Made of tough glass-filled nylon.

#14568 Wood Strip Cutter \$11.95

#14360 #11 Blade (15) \$6.95

#14362 #2 Blade (15) \$8.95

90° Punch Makes Corner Cutting Easy

This ingenious tool is perfect for any job that requires a perfect 90° corner. Simply tap with a hammer for fast, accurate results. Made of tool steel with razor-sharp cutting edges. Easily sharpened on any honing stone. 2-1/2" long.

#81652 5/16" cutting edges, 1/4" dia. at the holding end \$37.95

#82394 3/16" cutting edges, 3/16" dia. at the holding end \$36.95



Premium Ultra-Precision Softback Sanding and Polishing Sponges by Infini Model for Superior Quality and Longer Life



Unlike regular sandpaper which is prone to wrinkling and tearing, the flexible, cushioned sponge backing of Infini Model's Softback Sanding Sponges is designed to follow the contours of your project beautifully, resulting in a finer finish in less time. Softback Sanding Sponges can be used for dry or wet applications for maximum versatility. Dust and dirt caused by polishing doesn't stick to the sanding sponges easily and they can be washed off. 50% longer lifespan than similar products! Set of six single-sided 5-1/2" x 4-1/8" Softback Sanding Sponges includes one each 220, 400, 600, 800, 1000 and 1500 grit. 2-pack refills of each grit available separately.

#88077 Softback Sanding Sponges, Set of 6 **\$12.95**

#88085K Softback Polishing Sponges, Set of 4 **\$10.95**

See more Infini products on page 71

...And, Ultra-Precision Softback Sanding & Polishing Sticks

What happens when you take the premium abrasives above, make them narrower and more maneuverable, add a semi-flexible plastic backbone for a firm grip and added pressure when working in confined areas, AND make them double-sided for twice the life? You get this amazingly versatile Softback Sanding and Polishing Set. Set of eight 6-3/4" x 1-1/8" Softback Sanding Sticks includes one each 220, 400, 600, 800, 1000, 1500, 2500 and 4000 grit. 2-pack refills of each grit available separately.

#88086K Softback Sanding & Polishing Stick Set. List \$48.95 ... Our Price **\$25.95**



Premium Elastic Sanding Film Stretches, Wraps and Conforms

Made with the same premium abrasives as above and electrostatically bonded to the thinnest, stretchy elastic backing, this unique sanding film goes where no conventional sandpaper dares to try! Use wet or dry. Set includes **two each** 220, 400, 600, 800, 1000, 1500 and 2500 grit sanding films. 6-pack refills of each grit available separately.

#88963 Premium Elastic Sanding Film Set **\$19.95**



Sanding Twigs Contour and Smooth Narrow Spaces

These sanding "twigs" are only 1/8" square (some a little smaller; some a little larger) so they easily reach, contour and smooth narrow locations. The cushion-mounted abrasive is bonded to a plastic substrate for good flexibility and durability. Use on metal, plastic, acrylic, wood and ceramics. Plastic bucket containing approx. 300 twigs of assorted grits. Each twig is 6-1/2" long.

#84425 Sanding Twigs **\$29.95**



Precision File and Reamer Set

Includes beautifully machined handle with brass collet chuck that holds the included diamond-coated fine-grit tips: 3 reamers and 1 flat file. Tips store inside handle.

#85134 Precision Diamond-Coated File and Reamer Set. List \$23.95 Price **\$14.95**

Tips store conveniently inside handle



Another Ingenious Way to Sand and File from Infini Model



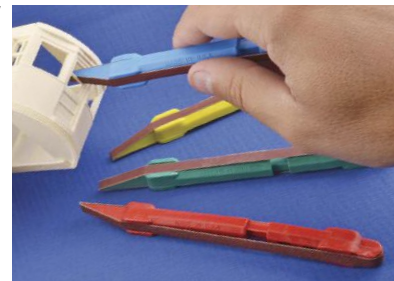
Precision filing and sanding in confined, tight and narrow areas is an ongoing challenge for makers. And even if you can find a tool that fits in the space, chances are, you won't have the right grit. This ingenious Precision Sanding/Filing system from Infini Model is the most clever solution to this problem we've seen. Starting with six finely crafted photo-etched stainless steel wands in 2 mm, 3 mm, 5 mm and 10 mm widths, plus two triangle shapes, Infini provides eight adhesive-backed sheets of their exceptional sanding film in 400, 600, 800, 1000, 2000, 3000, 5000 and 7000 grit which you adhere to the wand of your choice and cut to size. With this system, you will always have the perfect size, shape and grit for the job, right at your fingertips. Use wet or dry. Two-pack 9" x 3-3/4" adhesive-backed sanding film refills for each grit available separately. See our website.

#89381 Infini Model Precision Sanding/Filing System **\$29.95**

Micro Sanding Wands for Delicate Control

These Micro Sanding Wands use 1/4" wide, abrasive belts that can be used wet or dry and work well on almost any material. Made of tough, impact resistant polypropylene with a spring loaded tensioning device that allows a quick belt change. Color coded so you can identify different grits instantly.

#81471 Set of four includes one each; Yellow, 400 Grit; Green, 320 Grit; Blue, 240 Grit; Red, 120 Grit **\$17.95**



Micro Sanding Wand Belts, 5 per package – \$7.95/package

#60388 400 Grit **#60389** 320 Grit **#60390** 240 Grit **#60391** 120 Grit

Premium Quality Tool Sets Store Bits in the Handle

Not cheap imitations!—These jeweler's quality tool sets include beautifully machined aluminum handles with non-slip knurled grips, precision collets and pocket clips.

Hollow handles store bits conveniently and safely.



*Note: Handle has no storage compartment

#81845 12-piece Micro File Set Includes 4" long micro-slim needle files in assorted shapes. 5-3/4" long handle. **\$25.95**

#82121 10-piece Riffler File Set* Includes 4" rifflers in assorted shapes. 4-1/2" long handle. **\$25.95**

#81650 3-piece Diamond Reamer Set Enlarges and deburrs tiny holes; cuts in any direction. Includes 3 reamers: 2" long x 1/8" dia. tapering to a point; 1" long x 1/16" dia. tapering to 1/32"; 5/16" long x 3/16" dia. with cone-shaped tip. 4-1/2" long handle. **\$17.95**

#81651 Pin Vise/Drill Bit Set 0-1/16" collet. Includes 12 high speed steel drill bits in even numbers from #52 – #74. **\$24.95**

Jeweler's and Machinist's Secret to Smooth Finishes in Tight Places

Round, abrasive cords and flat tape make it possible to smooth and polish hard-to-reach places inaccessible to most conventional tools.

Excellent for use on miniature wood, metal and plastic turnings while they're still in the lathe. Both cords and tapes are aluminum oxide, 16 yards each.



Abrasive Cords

#12108 .055" dia., 120 grit **\$15.95** **#12109** .030" dia., 200 grit **\$15.95**

Abrasive Tape #12110 3/32" wide, 180 grit **\$16.95**

#12117 Buy all 3 together and **SAVE! \$44.95**

Flex-I-File...A Unique Tool for Fine Professional Finishes



Flex-I-File smooths the edges of fine slots, follows compound curves, and works into tight interior angles. The spring action of the anodized aluminum frame maintains constant ribbon tension for delicate control with hairline accuracy. Ideal for removing glue seams from castings or smoothing turnings while still in the lathe. Frames are 4" x 4-1/4". Abrasive ribbons are 1/4" wide x 4-1/4" long. Set includes 3 frames and 16 assorted color-coded ribbons.

#60619 Flex-I-File Set \$26.95

Extra Flex-I-File Abrasive Ribbons, package of 12 – \$5.95/package

#60620 150 Grit **#60621** 280 Grit **#60622** 320 Grit **#60623** 600 Grit



A. #33108 Swiss Pattern Needle File Set Use for removing, smoothing and shaping steel, brass, aluminum, cast metal, plastic and wood. Can also be used for shaping small turnings while still in the lathe. All files are approximately 5-1/2" long with 1/8" dia. shanks. Sold in sets of 12 in a vinyl storage wallet. Medium cut. List \$16.95 ... Our Price **\$11.95**

B. #83180 Micro-Size Needle File Set with Free Handle Our hard-to-find micro-size needle files are 30% smaller than other files on the market. Fine cut for use on wood, metal and plastic. 4" long with 1/16" dia. shanks. Includes 12 files plus **FREE** collet type handle for delicate control. Value \$28.15 ... Our Price **\$24.95**

C. #85147 Needle Rasp Set Use these extra coarse rasps for quick stock removal in wood, plaster, stone, plastic, fiber and wax. 6-piece set, 1/8" dia. shanks. 5-1/2" long overall. **\$18.95**

D. – E. Diamond Coated Needle Files cut faster, last longer and leave a smoother finish than ordinary steel files on virtually all materials. Diamond-coated on all sides. Shown approximately 40% actual size.

D. #82250 Medium Grit Needle File Set. 10 assorted shapes. 5-3/4" long. **\$23.95**

E. #82249 10-piece Tapered Needle File Set. Includes 3 widths, each in extra fine, fine and medium grits, plus 1 pointed round fine-grit file. 5" long. **\$23.95**

F. – G. Reamers finish the job when drills can't deliver an exact size hole. Use them for enlarging, deburring, shaping, cleaning and cutting holes in metal, plastic or fiber.

F. #26108 6-piece Reamer Set Hardened steel with easy grip knurled handles. Hole size: .024" to .073". 2-3/4" to 4" long. Includes plastic storage wallet. **\$23.95**

G. #85137 6-piece Larger Reamer Set for hole size .073" to .236". 4-3/4" to 7-1/2" long. Includes plastic storage wallet. **\$32.95**

High Quality Sanding Blocks are Comfortable and Easy-to-Use

No-slip finger grooves and sure-lock clamps keep sandpaper taut and securely in place. The block's special design lets you to use both sides before changing the sandpaper and includes a thin rubber pad attached to the work surface to prevent gouging. Made in the USA of sanded hardwood.

#60382 1" W x 8" L x 1-3/4" thick **\$19.95**

#60383 2" W x 8" L x 1-3/4" thick **\$24.95**

#60442 Set of both blocks **\$39.95**



Replacement Sandpaper in 10 Foot Rolls, package of 2

1 inch wide – \$5.95 (pkg. of 2)

#60443X2 80 grit **#60444X2** 120 grit **#82405X2** 240 grit **#60446X2** 320 grit **#60447X2** 400 grit

2 inch wide – \$7.95 (pkg. of 2)

#60449X2 80 grit **#60450X2** 120 grit **#82406X2** 240 grit **#60452X2** 320 grit **#60453X2** 400 grit

The MicroLux® Grit Blaster is Back!

Sand Blasting on a Miniature Scale has Never Been this Powerful, Fast, Clean or Easy!



The MicroLux® Grit Blaster takes the concept of an industrial-type blasting chamber and reduces it to hobby size, creating one of the most useful tools in your shop. An ordinary shop vac provides the power...no compressor is required. The resulting stream of air is strong enough to efficiently remove paint and tarnish, yet gentle enough to use on plastic models without damage. And since the cabinet is under vacuum, grit and debris stay inside the chamber where it belongs. Grit Blaster includes clear plastic dome with 3 nozzle ports, blasting wand, positioning arm to move/support objects during blasting, removable grit reservoir, and port adapter for standard 1-1/4" vacuum hoses. Overall size: 16" wide x 11" deep x 15" high. Blasting chamber is 8" wide x 7" deep x 6" high. Blasting grit available separately, below.

#82775 MicroLux® Grit Blaster \$299.95

Abrasive Grit for MicroLux® Grit Blaster, 5 lb. Tub – \$29.95/tub

#84296 Fast Cutting Compound for aggressive cleaning **#82533** Crushed Glass for tarnish removal **#82534** Glass Beads for a smooth finish

#86843 Vision Portals for Grit Blaster with removable self-stick backing adhere to the inside of the blast dome to protect it from abrasion. Package of 5. **\$11.95**



#84824 21-piece "Everything" Set

includes open end wrenches 4.0, 4.5, 5.0, 5.5, 6.0 mm; nutdrivers 3.0, 3.5, 4.0, 4.5, 5.0 mm; hex key wrenches 1.5, 2.0, 2.5 mm; flat blade screwdrivers 0.9, 1.2, 1.8, 2.4, 3.0, 3.5 mm; Phillips head screwdrivers #0 and #1 and storage box. **\$21.95**

#81064 Miniature Vacuum Attachment Set

Includes all the tools you need for cleaning even the most delicate items in areas where a regular vacuum cleaner would never fit. Mini attachments include adapter, straight extension, curved extension, oval brush, round brush, crevice tool and 36" long x 1/2" dia. hose. Compatible with any standard-size vacuum with 1-1/4" fittings. **\$9.95**



Perma-Grit harnesses the remarkable properties of tungsten carbide to create some of the best abrasive tools you'll find anywhere. Use them for rapidly sanding, shaping, forming and finishing a wide variety of materials with greater efficiency and durability than conventional abrasive tools. With a hardness approaching that of natural diamonds and greater strength than steel and titanium, the tungsten carbide abrasives used in Perma-Grit tools will not load up or break down, cut equally well in any direction, and will outlast sandpaper and most other abrasive tools thousands of times over. Perma-Grit tools are ideal for use on all woods, glass fiber, carbon fiber, Kevlar, Plexiglas, Lexan, Perspex, acrylics, plastics, polystyrene, ceramics, stone, horn, antler and more. Available in coarse grit (US 60/UK 180), medium grit (US 80/UK 220), and fine grit (US 120/UK 320). Made in England.

Perma-Grit 8-Piece Tungsten Carbide File Set with Canvas Tool Roll

This popular set includes:
1-1/2" wide flat file; 1-1/4" wide internal grit concave file; 1" wide external grit convex file; 3/4" x 3/4", 75 degree angle file; 3/4" diameter external grit tube file; 1/2" diameter external grit tube file; 1/4" diameter round file with handle and 1/4" square file with handle. All files are approx. 9". Includes 8-sleeve canvas roll with hook-and-loop closure.

#88775 Perma-Grit 8-Piece File Set, Coarse **\$91.95**
#88776 Perma-Grit 8-Piece File Set, Fine **\$91.95**



Includes 8-sleeve canvas roll for storage



#88791 Perma-Grit 5-Piece, 7" Tungsten Carbide Needle File Set, Medium Grit

Includes the 5 most popular shapes for a wide variety of applications, including tapered square (from 7/32"), triangle (from 1/4"), round (from 7/32"), half-round (from 23/64"), and non-tapered 3/8" flat file. All files are 7" in length with 5 mm shanks (handle sold separately). Medium grit. **\$59.95**

#88788 Ergonomic Handle for 5 mm Shanks **\$5.95**



Perma-Grit Standard Tungsten Carbide Sanding Block, Coarse / Fine

General-purpose sanding block is comfortable in the hand with its convex-shaped sides and 2 flat sanding surfaces; coarse grit one side, fine grit on the other. When placed on either edge on a flat surface, you are able to sand a perfect right angle without marring your table surface. Use the sanding block to profile and feather edges, block-sand large areas, square-off materials and shape a perfect dihedral. Custom-made anodized aluminum extrusion is light, clean, easy to use and will never warp. Choose from 2 sizes below:

#88777 Perma-Grit Standard Tungsten Carbide Sanding Block, Short, Coarse / Fine, 5-1/2" x 2" **\$27.95**
#88780 Perma-Grit Standard Tungsten Carbide Sanding Block, Long, Coarse / Fine, 11" x 2" **\$43.45**



#88790 Perma-Grit 5-Piece, 5-1/2" Tungsten Carbide Riffle File Set with Handle, Fine Grit

Riffle files have been used by tool and die makers for years. This set of tungsten carbide coated Perma-Grit grit needle files features the 5 most popular riffle shapes for detail work in a wide variety of materials. All files are 5-1/2" in length with 3 mm shanks that fit the included ergonomic handle. Fine grit. **\$55.95**



#88789 Perma-Grit 5-Piece, 5-1/2" Tungsten Carbide Needle File Set with Handle, Medium Grit

Includes the 5 most popular shapes for a wide variety of applications, including tapered square (from 1/8"), triangle (from 5/32"), round (from 5/32"), half-round (from 15/64"), and non-tapered 1/4" flat file. All files are 5-1/2" in length with 3 mm shanks that fit the included ergonomic handle. Medium grit. **\$55.95**



Perma-Grit Tungsten Carbide Contour Sanding Block, 5-1/2" x 2"

Perma-Grit Contour Sanding Block offers users the ability to round-off stock, sand fillets and much more. Comfortable in the hand with its convex shaped sides, this unique sanding block features convex and concave sanding surfaces. Custom-made anodized aluminum extrusion is light, clean, easy to use and will never warp. Choose coarse or fine grit below:

#88781 Perma-Grit Tungsten Carbide Contour Sanding Block, 5-1/2" x 2", Coarse **\$29.45**
#88782 Perma-Grit Tungsten Carbide Contour Sanding Block, 5-1/2" x 2", Fine **\$29.45**



Perma-Grit Tungsten Carbide 45 Degree Wedge Sanding Block, Coarse / Fine

Perma-Grit wedge block offers a different angle on sanding vs. common sanding blocks for working in tight corners. 45° angled ends on the aluminum block coupled with end-to-end grit on the sanding surface allows pinch-free sanding up to a vertical wall and abrasive contact at a 90° corner angle. When placed on either edge on a flat surface, you are able to sand a perfect right angle. Use the wedge block to profile and feather edges, block sand larger areas, square-off and more. Custom-made anodized aluminum extrusion is light, clean, easy to use and will never warp. Choose from 2 sizes below:

#88778 Perma-Grit Tungsten Carbide 45 Degree Wedge Sanding Block, Coarse / Fine, Short, 7" x 2" **\$29.45**
#88779 Perma-Grit Tungsten Carbide 45 Degree Wedge Sanding Block, Coarse / Fine, Long, 11" x 2" **\$44.95**



Perma-Grit Flexible Tungsten Carbide Sanding Sheet, 11" x 2" x .030"

This versatile sanding sheet can be mounted to a T-bar, sanding block, or workbench, and can also be cut and bent to any shape with internal or external grit for any custom sanding application. Choose coarse or fine grit below:

#88784 Perma-Grit Flexible Sanding Sheet, Coarse **\$13.45**
#88783 Perma-Grit Flexible Sanding Sheet, Fine **\$13.45**



#88785 Perma-Grit Tungsten Carbide Rotary Tool Cut-Off Disk Set with Mandrel

Tough enough to cut piano wire, fiberglass, PCB, Perspex®, plastics, woods, ceramics GRP, carbon fiber, Lexan, marble, polystyrene, ABS, wood and metal, this Perma-Grit 3/4" and 1-1/4" medium grit tungsten carbide cut-off disk set fits any rotary tool that will accept 1/8" shanks. Disks have 3 mm arbor; approx. 5/64" (2 mm) cutting kerf. Includes 1/8" shank mandrel. Use at speeds from 5,000 to 20,000 rpm. **\$25.45**

**When used below 10,000 rpm.*



Perma-Grit 8-Piece Tungsten Carbide Rotary Tool Bit And Cut-Off Wheel Set with Case

Includes 1/8" (3.1 mm) shank rotary tool bit shapes: narrow cone, wide cone, drum, pancake, narrow cylinder and dome head, plus 1-1/4" dia. cut-off disk, 1/8" shank mandrel, and exceptional foam-lined, fitted storage case. **\$117.45 ea.**

#88786 Perma-Grit 8-Piece Rotary Tool Bit Set, Coarse

#88787 Perma-Grit 8-Piece Rotary Tool Bit Set, Fine



#88865 Perma-Grit Tungsten Carbide Abrasive Blade for MicroLux Tilt Arbor Table Saw and Proxxon Heavy Duty Miter/Chop Saw

Specially designed 3-1/4" diameter abrasive blade adds even greater versatility to these two great saws (#80463 and #83418, available separately), allowing you to cleanly cut the widest variety of materials with precision. Fine grit. 10 mm arbor, .097" kerf. **\$48.95**

Gripster Grabs It with the Push of a Button

Press the top of this unique tool and 4 slim, stainless steel prongs emerge from the tip. Release, and the prongs close around the object, grasping it securely. Perfect for tasks where fingers can't reach and tweezers aren't strong enough, such as positioning, inserting and starting hard-to-hold mini screws, nuts and other small parts. Set includes two Gripsters, one 4-1/2" long and one 6-1/4" long. Prongs open to a maximum capacity of 5/8" and extend 1/2" from tool tip.

#88022 Gripster Set
List \$13.95 ... Our Price **\$9.95**

Special Tweezer Places Objects Without Damaging Fine Details

Stainless steel tweezer with rubber-coated angled tips are perfect for no-mar, non-slip placement of small, irregularly shaped items, such as the figures shown above. 6" long.

#83251 Rubber-Tipped Tweezer **\$6.95**

Great Tweezers, Great Price



Set of 8 tweezers made of acid-proof, anti-magnetic, stainless steel for a lifetime of use. Includes extra fine, fine, angled and long tips. Overall length: 4-1/2" to 5-1/2".

#84256 8-piece Tweezer Set **\$19.95**

Pic-n-Stick... a Unique Way to Hold Things



Pic-n-Stick is a 2-1/2" long plastic stick with a waxy adhesive on one end. To use, just press the adhesive end against the part you need to hold. To remove, just twist. Adhesive grips tightly, but won't transfer to the part. Each stick can be reused many times. Comes in 2 matchbook-style packages.

#80339 Pic-n-Stick (30) **\$14.95**



Professional Quality Tweezers – Now in Titanium!

With most of our selection coming from the jewelry, watchmaking and dental trades, these tweezers are among the finest quality you'll find anywhere. All except #60904 and #19110 are now available in titanium.



Swiss-Style Watchmaker's Tweezer
Fine, smooth points. 4-5/8" long.
#19101 Stainless steel **\$7.95**
#88577 Titanium **\$12.95**



Curved Tip Swiss-Style Watchmaker's Tweezer
Smooth points. 4-5/8" long.
#19102 Stainless steel **\$8.45**
#88578 Titanium **\$12.95**



Boley Style GG Tweezer
Hollow, very light spring tension. Smooth points. 4-3/4" long.
#19103 Stainless steel **\$7.95**
#88579 Titanium **\$12.95**



Double Bend Dental Tweezer
Fine serrated points. 6-1/2" long.
#19105 Stainless steel **\$9.95**
#88580 Titanium **\$14.95**



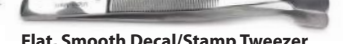
Slide Lock Soldering Tweezer
Medium sharp points. 4-3/4" long.
#19106 Stainless steel **\$7.95**
#88581 Titanium **\$14.95**



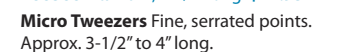
Cross-Locking, Self-Closing Tweezer
Serrated flat jaws. 6-1/2" long.
#19109 Satin-finish steel **\$9.95**
#88582 Titanium **\$19.95**



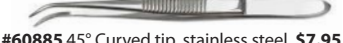
Cross-Locking, Self-Closing Tweezers with Heat-Resistant Grips Stainless steel. Serrated tips. 6" long. **\$7.95 each**
#60904 Straight #19110 Curved



Flat, Smooth Decal/Stamp Tweezer
#60907 Stainless steel, 4-1/2" long **\$8.95**
#88588 Titanium, 4-1/2" long **\$12.95**



Micro Tweezers Fine, serrated points. Approx. 3-1/2" to 4" long.
#60102 Straight tip, stainless steel **\$7.95**
#88585 Straight tip, titanium **\$12.95**



#60885 45° Curved tip, stainless steel **\$7.95**
#88586 45° Curved tip, titanium **\$13.95**



#60886 90° Curved tip, stainless steel **\$7.95**
#88587 90° Curved tip, titanium **\$13.95**

Giant long reach tweezer. Serrated rounded points. 12" long.

#81010 Stainless steel **\$12.95** #88589 Titanium **\$22.95**



Pearl Tweezer – The Best Way to Grip Small, Irregular Objects

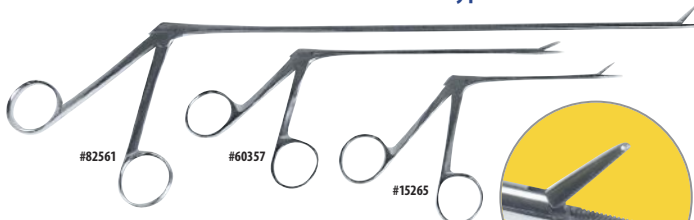
Spherical indentations in the tips of our Pearl Tweezer securely grip round and irregularly contoured small objects, preventing them from flying off into space and disappearing forever. Perfect for placing miniature hardware and tiny detail parts. Made of satin-finish stainless steel; approx. 4-1/2" long.

#82426 Pearl Tweezer **\$13.95**

#88590 Titanium Pearl Tweezer **\$19.95**



Crocodile Action Ear Polypus



The Polypus is a brilliantly designed surgical instrument for removing foreign objects and performing surgery inside the ear. Unlike a hemostat, only the "crocodile" jaws at the very end open. You can actually pass the end through a very small hole and still open and close the jaws! An extremely versatile tool for placement and retrieval of micro-size objects. Use for ship model rigging, dioramas, dollhouse miniatures, model railroad car interiors and any other micro-manipulation. Precision instruments crafted of highly polished stainless steel.

#15265 Ear Polypus (Narrow part of "neck" reaches 2-1/2"; fits thru a 5/32" hole) **\$22.95**

#60357 Ear Polypus (Narrow part of "neck" reaches 4-1/2"; fits thru a 3/16" hole) **\$25.95**

#82561 Ear Polypus (Narrow part of "neck" reaches 10-1/2"; fits thru a 1/4" hole) **\$49.95**

Universal Cylindrical Tweezer



Finally, one tweezer that does the job of many! The cylindrically-shaped channels at the tips of this unique tweezer act as a universal holder, allowing you to grasp and manipulate all kinds of screw heads, including round, hex, flat, fillister, socket and set-type. Easily pick up washers, nuts and beads as well. And, because the 5/16" long cylindrical channels run all the way to the tip, it will allow you place items precisely where you need them. A great tool for holding those tiny model ship blocks, too! Made of non-magnetic stainless steel, approx. 5" in length. Tips grasp objects from 5/64" to 1/2".

#87119 Universal Tweezer **\$10.95**

Stainless Steel Tweezer Set



These stainless steel tweezers are made exclusively for Micro-Mark by a manufacturer of surgical quality instruments. Beautifully polished, all purpose set lets you grasp, position and manipulate the smallest of items. Made of stainless steel, gives you a lifetime of service. Set contains 4-1/2" sharp point, 4-3/4" flat point, 6" blunt point, 6" bent sharp point, 6-1/2" cross locking tweezers.

#60365 5-piece Stainless Steel Tweezer Set **\$24.95**

Stainless Steel Mini Tweezer Set



A nicely made, never-rust set that's about 40% smaller than other sets we sell, making them ideal for handling micro size items. Includes self locking, needle point, angle point and flat smooth point. The flat point is good for applying decals and other items that could be marred by sharp points. All tweezers are approx. 4-1/2" long.

#60699 Mini Tweezer Set
List \$18.00 ... Our Price **\$12.95**

Magnetic Clamps are Perfect for Model Structure Assembly



This paired set of Proses Snap & Glue Magnetic Clamps is an indispensable tool for assembling precise 90° angles on laser-cut parts, scratch-built items and more, including woodworking and craft projects. Simply pull a pair of magnets apart, place inside and outside your 90° corner, snap into place and apply glue to your now perfectly-aligned right angle! Set includes four two-piece magnetic clamps (each with four magnets), and instructions. Use for N, HO and S scales. Glue sold separately. **#89132 Proses Snap & Glue Magnetic Clamp Set**

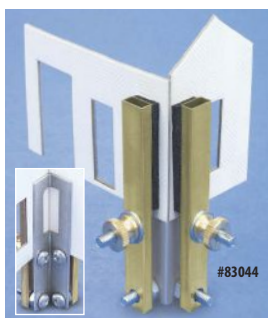
List \$69.00 ... Our Price **\$44.95**

Build it Better with the "Right Clamp"

Parts held by Right Clamp's thumbscrew adjustable foam-lined jaws are held gently, yet securely at a perfect 90° right angle to each other. A slot in the clamp's rear frame lets you apply glue to parts while they're being held in the clamp, ensuring parts won't move out of position before the glue sets. Overall length: 3". Clamping surface: 1-1/2" long x 3/8" wide (2 places).

#83044 Original Right Clamp \$34.95

#86847 Mini Right Clamp includes the same great features as the Original Right Clamp above in a smaller size. Overall length: 1-7/8". Clamping surface: 1" long x 1/4" wide (2 places). **\$29.95**



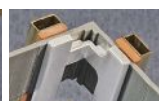
#83265

Long Right Clamp

Overall length: 4-3/16".
Clamping surface:
2-3/4" long x 3/8" wide
(2 places). **\$34.95**

#83541 Splice Clamp is perfect for end-to-end gluing. Overall length: 3". Clamping surface: 1-1/2" long x 3/8" wide (2 places). **\$34.95**

Combo Right Clamp Is Great for Soldering and Assembly Work



#85168 Long Combo Right Clamp has a contoured aluminum main frame with built-in access notches to facilitate gluing and soldering, and grooves for holding metal shapes securely. Features an extended base for use in a vise. Overall length: 4-7/8". Clamping surface: 2-3/4" long x 3/8" wide (2 places). Jaws open 3/8". **\$49.95**

#86846 Mini Combo Right Clamp includes the same great features as the Long Combo Right Clamp above in a smaller size. Overall length: 2-1/4". Clamping surface: 1" long x 1/4" wide (2 places). Jaws open 5/16". **\$39.95**

#85168

Magnetic Tool Holder for Up-Front Storage of Small Tools

Tools not included.



20" long magnetic tool holder keeps small tools handy, visible and within easy reach. Mounts easily to wall or shelf edge with 2 wood screws (included). Has double row of magnets for extra strength. **#60458 Magnetic Tool Holder \$16.95**



A



B

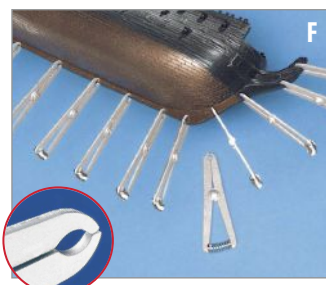


C



D

E



F



G



H

A. You Can't Have Too Many Clamps... Especially at Such a Great Price!

Ideal size for model building and other miniature projects. Converts in seconds to a spreader by relocating the fixed jaw to the opposite end of the bar. Capacity: clamp 0 to 4"; spread 3" to 7-1/2". Made of steel and engineering polymer, with removable, serrated, no-mar pads.

#85421 Trigger Action Reversible Bar Clamp (package of 10) \$34.95

B. Jeweler's Micro-Vise for Hard-to-Hold Round Items

This micro-vise is perfect for holding small round items while drilling, filing, grinding or performing other operations. Four double-sided surfaces provide 8 gripping edges specially formed to hold diameters from 1/2" to 1-3/8". The knurled thumbscrew applies just the right amount of gripping force necessary to hold objects securely without damaging them. Made of plated brass. **#81495 Micro-Vise \$16.95**

C. Extra Strong, Extra Comfortable Spring Loaded Clamps

The perfect size spring-type clamps for all types of miniature work, especially for the model builder and dollhouse miniature. Vinyl grip handles make them extra comfortable to use. Vinyl covered jaws hold stock securely and won't mar wood or other delicate material. 5/8" capacity, 2" long overall. Set of 8 clamps.

#81839 2" Spring Clamps (Set of 8) \$7.95

D. - E. Mini Model Builder's Clamps

Lightweight plastic clamps with one fixed jaw and one adjustable jaw. To use, slide adjustable jaw up to workpiece and press tapered locking wedge to hold. Available in 2 sizes. Sold in a set of 2 clamps.

D. #80323 7" capacity (2) \$11.95 • E. #60930 3" capacity (2) \$8.95

#80383 Set of 4: 2 each, 3" and 7". List \$20.90 ... Our Price \$16.95

F. - G. Special Spring Clamps for Model Builders

F. #60929 Aluminum clamp with steel spring. 2-1/2" long with 1/4" capacity. Jaws are designed to hold odd or irregular shapes as well as flat, smooth shapes. All metal construction makes them ideal for holding parts together while soldering. Can also be used as a heat sink. Set of 5. **\$10.95** 2 or more sets **\$8.90/set**

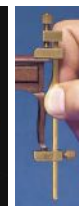
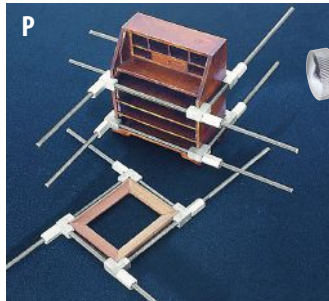
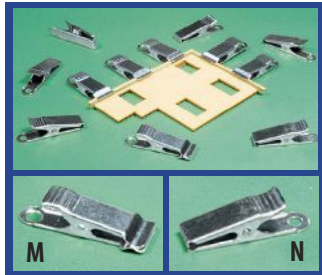
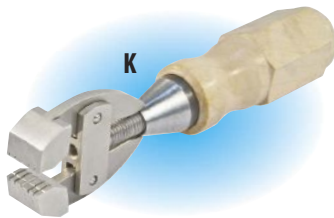
G. #60928 Nickel plated steel clamps with vinyl coated cushion grips. 1-3/8" long with 3/16" capacity. Ideal for holding small, flat objects and for keeping ship model rigging lines taut during assembly. Set of 5. **\$13.95** 2 or more sets **\$11.60/set**

H. Vise-Grip® Locking Pliers in Miniature Sizes

These small, lock grip pliers are perfect for all types of miniature work. They're fully adjustable and hold fragile items securely without crushing and the long nose pliers will get into tight spots like no other lock jaw pliers can.

#14565 Curved jaw with wire cutter, 4-1/2" long. 1" capacity. **\$19.95**

#14564 Long nose with wire cutter, 5-1/2" long. 1-1/2" capacity. **\$24.95**



J. Cross-Locking Clamps for Ship Modeling and Miniature Work

Miniature spring clamps hold small objects tightly together while soldering, gluing or positioning. The weight is just right for keeping ship model rigging lines taut while glue dries. 2-1/4" long, 1/4" capacity. Smooth jaws won't leave marks. Six per package.

#60903 Cross-Locking Clamps (6 per pkg.) **\$14.95** 2 or more pkgs. **\$12.95/pkg.**

K. Super Hand Vise

Six grooves cut into the jaw surfaces let you securely position and hold wire while you shape and assemble. Useful for holding other metal, plastic and wood shapes as well. Turning the hardwood handle tightens the steel jaws. Hole through handle lets you hold long stock.

#85139 Super Hand Vise **\$19.95**

L. Miniature Spring Clamps for Small Assemblies

2-1/4" long clamps with strong springs hold securely while glue dries. Pivot tips adjust to match surfaces being clamped. Molded in 6 neon colors for identification...one even has a key ring. 3/4" capacity with textured sure-grip handles.

#82780 6-piece Hobby Clamp Set **\$9.95**

The More Clamps, the Better!

#82979 Bucket of 50 Mini Clamps Contains 50 of the same type of colorful spring clamps above at a bargain price. **\$22.95**

#84984 Bucket of 100 Mini Clamps **Best Buy! \$34.95**

M. – N. Stainless Steel Mini Clamps Hold Where Others Can't

Our spring-loaded mini clamps are ideal for all types of small applications. Jaws may be filed or ground to any shape. Especially good for soldering since solder won't stick.

M. #14532 Smooth Jaw. 1/2" wide, 5/16" capacity. Set of six. **\$8.95**

N. #14533X2 "Alligator" Jaw. 3/8" wide, 3/8" capacity. Set of 12. **\$10.95**

P. Mini 4-Corner Clamps Speed Assembly

Great for clamping miniature picture frames, furniture, model railroad rolling stock and structures, ship models and whenever you need to clamp 4 corners tightly together. They adjust easily to hold items from 1/2" x 1/2" to 5" x 5".

#60716 Mini 4-Corner Clamp **\$19.95** 2 or more **\$17.95 ea.**

Q. Universal Clamp Holds the Oddest Shapes

This ingenious tool is used to hold small and odd-shaped parts for engraving, carving, sawing, filing, sharpening, etc. The four steel pins adjust to 60 different positions to hold the most irregular shapes. 2" diameter solid aluminum head with steel guide pins and screw. Handle can be removed for locking the head in a bench vise. 5-3/4" long overall.

#21129 Universal Clamp. List \$38.95 ... Our Price **\$24.95**

R. Spreading Plier

A Micro-Mark Exclusive!

Working with a large producer of quality pliers, we designed the body, handles and jaw tips of this spreading plier to provide more comfort and durability with easy spring return action. Hefty handles fit perfectly in the palm of your hand for delicate control and maximum gripping power. The further down the jaw material is placed, the more force that can be applied to your spreading action. Lifetime warranty against manufacturing defects. When fully opened the stepped tips spread to 7/8" and the lowest notch spreads to nearly 3/4". **#87935** Micro-Mark Spreading Plier. List \$26.95 ... Our Price **\$22.95**

S. 90° Angle Jig Builds Projects Square and True

If you assemble models or miniatures over a building board, you'll wonder how you got along without this unique tool. How it works: Just position the 90° aluminum angle next to the item you want to hold. Then press the push pin through the hole in the angle and into the building board. Place the item against the vertical face of the angle and hold in place with the mini clamp. Designed specifically for holding wing ribs during model airplane wing assembly. They're also ideal for dollhouse furniture, ship model bulkheads and anytime you need to hold a part at 90° over a building board. Set includes six 1" x 1" x 1" aluminum angles, six push pins and six stainless steel smooth jaw spring clamps.

#80344 90° Angle Jigs (Set of 6) **\$20.95** 2 or more sets **\$19.50 ea.**

T. Toolmaker's Angle Plate Holds Work at a Perfect 90° Angle

Use these hard-to-find tools whenever you want to join or hold two parts edge-to-edge or edge-to-surface at a 90° angle. Also used to square up table saw, drill press or disk sander tables. Precision cast with machined faces and edges.

#60713 1" x 1" x 1" **\$13.95**

#20123 2" x 2" x 2" **\$21.95**

#60626 3" x 3" x 3" **\$26.95**

#60714 Set of All Three Angle Plates (one of each size) **SAVE! \$49.95**

U. Solid Brass Miniature Bar Clamps

The best clamps you can own for clamping small wooden boxes, dollhouse miniatures, model railroad structures and rolling stock, ship models, model airplanes, clock kits, and more. Beautifully made of solid brass at an unbeatable price.

#14256 12" long bar clamps, approx. 10-1/2" clamping capacity. Set of 2. **\$24.95**

#60103 7" long bar clamps, approx. 6" clamping capacity. Set of 2. **\$24.95**

#14257 4-3/4" long bar clamps, approx. 3-3/4" clamping capacity. Set of 2. **\$24.95**

#60396 Ultra-mini brass bar clamps with knurled tightening screws for delicate control. 3-3/4" long, approximately 3" clamping capacity. Set of 2. **\$24.95**

V. Use Vacuum Power for Hard-to-Hold Parts

Unique tool uses vacuum power to hold and position small parts. Simply press the button on the 6" handle to create suction. Then, press again to release. Includes two rotatable extension tips (straight and angled), four rubber suction tips (1/8", 1/4", 3/8", and 1/2" dia.), and a convenient pocket clip. **#82304** Hobby Pal Deluxe Vacuum Tool **\$19.95**

Optivisor Professional Series Set

Includes Optivisor headband magnifier described below, six lens plates (1-1/2x, 1-3/4x, 2x, 2-1/2x, 2-3/4x, 3-1/2x) and attachment loupe, plus VisorLIGHT... a detachable, AA battery-powered, laser-sharp spotlight which produces an intense 6,000 candle power collimated beam of light...all packed in a sturdy carry/storage case with fitted foam interior.

#84431 Professional Optivisor Set. Value \$409.95... Our Price **\$299.95**

Binocular Magnifier for Hands-Free Magnification



The Optivisor Magnifier gives you 3-dimensional viewing by providing magnification for both eyes. Optical quality glass lens magnifies objects 2-1/2x at a working distance of 8". Additional interchangeable lens plates are available separately for other magnifications (see chart below, left). Comfortable, light-weight leather headband has orthopedic felt padding and is fully adjustable to fit all head sizes. Tilts up and out of the way when not in use and can be worn over glasses. Attachment loupe shown is optional (doubles the magnification of any lens plate) - order below.

Extra Lens Plates for above \$34.95 each

Item #	Magnifies	Working Distance
#52387	1-1/2x	20 inches
#52388	1-3/4x	14 inches
#52389	2x	10 inches

#18108 Optivisor Binocular Magnifier **\$64.95**

#18110 Attachment Loupe for above magnifiers only **\$19.95**

Custom-Fit Lighting for Your Optivisor



Optivisor
not included.

The Quasar Lighting System is designed specifically for use with the Optivisor binocular magnifier (above). Employing the latest in LED technology, Quasar lighting surrounds each lens with ultra-bright beams of white light that reduce shadows and increase visibility...especially good for viewing in holes and deep cavities. And the super-efficient LEDs require little power...so the batteries can last up to 96 hours. Includes two Energizer® AA batteries, mounting strap, mounting pins and battery compartment. Works with #18110 optional attachment loupe sold separately. Installs in less than a minute.

#83518 Quasar Lighting System for Optivisor **\$29.95**

Clip-On Magnifiers Flip Up for Normal Vision

These magnifying lenses let you instantly switch between close-up and distance viewing. Simply clip them onto your regular glasses. To see close, flip them down. For normal vision, flip them up. Large optical quality acrylic lenses mount directly in front of your glasses to eliminate double vision. +2.00 power lenses magnify 1.50x at a working distance of 19". +4.00 power lenses magnify 2.00x at a working distance of 10".



#86416

#82078 +2.00 Magnifiers **\$10.95** #82080 +4.00 Magnifiers **\$10.95**

#86416 Set of both Clip-On Magnifiers (one each) **\$16.95**

Desktop LED Lamp with Magnifier



NEW!

60 LEDs providing 1200 lumens of diffuser-softened light at the end of a flexible, omni-positionable 18" arm wrap your work in a cool glow similar in strength to a traditional 75 watt bulb, great for all kinds of desktop projects. For detail work, flip the lid to reveal a 5" diameter, 3 Diopter lens (1.75 magnification) with a comfortable 8" focal length. Increasing this lamp's versatility is a handy 4 compartment storage bin at the back of its no-tip base for small tools, pens and more. 6' cord. 120V/60Hz.

#88821 Desktop LED Lamp with Magnifier **\$52.95**

LED Lamp / Magnifier Puts Shadow-Free Light Just Where You Want It



The sturdy, all-steel articulated arm of our Lamp / Magnifier puts the power of 90 long-lasting LED lights right where you want them, illuminating your work area with brilliant, cool white, shadow-free light. Unlike fluorescent lamps, this 7 watt, 1000 Lux LED-equipped model is completely silent and the light is strong and continuous; no annoying hum or distracting flicker. The 5" diameter optical quality lens enlarges to 1.75x actual size at working distance of 13" (3 diopter). Convenient bench-mount clamp attaches in seconds to any tabletop up to 2-3/8" thick. Spring-balanced arm extends up to 36", providing excellent mobility, and the integrated lock knobs keep the lamp exactly where you want it while you work.

#86547 Articulated LED Lamp with Magnifier **\$79.95**

Deluxe Lighted Magnifier Adjusts to Four Magnifications



Our deluxe headband magnifier not only has twin-beam, focused lighting, but also lets you select the magnifying power you need with just the touch of your finger. Contained under the hood is a special flip-down auxiliary lens plate you use in combination with the attachment loupe, providing magnifications of 1.8x, 2.3x, 3.7x and 4.8x. The comfortable headband can be worn with glasses and adjusts to any size with a Velcro-type fastener. Optical quality acrylic lenses. Requires four AAA batteries (not included). High quality.

#81838 Lighted Magnifier **\$39.95**

4-Armed Holding Jig for Gluing, Soldering, Painting, Inspecting and More



This "third hand" securely holds small objects in any position and leaves your hands free. Especially useful for solder assembly of multiple components. Clamps hold your first joint together so if you heat it again to add items, the first joint won't fall apart. Includes 4 alligator clamps, 2" magnifier and magnet. 5" long flexible arms bend to any position. Set screws in base let you use the six components in any combination. Includes clamp for mounting base to any workbench up to 1-1/4" thick.

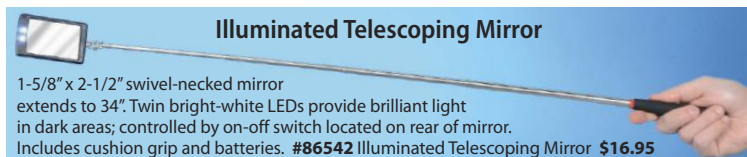
#60682 Four-Armed Holding Jig
List \$22.50... Our Price **\$14.95**

#85095 Helping Hand Magnifier 2-1/2"



diameter, 4x magnifier and 2 alligator-type spring clamps mounted in ball joints. Plated steel with iron base. **\$10.95**

Illuminated Telescoping Mirror



1-5/8" x 2-1/2" swivel-necked mirror extends to 34". Twin bright-white LEDs provide brilliant light in dark areas; controlled by on-off switch located on rear of mirror. Includes cushion grip and batteries. #86542 Illuminated Telescoping Mirror **\$16.95**

#89491 Zoom Hands-Free Magnifier with LED Light

This new high-tech spin on the concept of the visor magnifier includes five interchangeable lenses from 1x to 3.5x magnification, protective lens case, elastic comfort headband and microfibre cleaning cloth. Requires three AAA batteries (not included). **\$29.95**

**NEW!****Take Professional Quality Photos in Your Home or Shop**

Ideal for miniatures, collectibles, insurance records and web auctions!

NEW!
All 120 LEDs are **INSIDE** the box!



Camera and model are not included.

American Recorder Technologies Photo Studio In-A-Box® SIB-110 is a lightweight, portable stage that unfolds easily to set up on desktop, workbench or dining table. Use it with your camera to produce well-lighted images with balanced color and remarkable definition. The SIB-110 is the next generation in desktop photography and is better than ever, utilizing the latest LED technology for improved brightness, higher efficiency and long LED life. In addition, the SIB-110 includes four seamless, non-reflective, untextured backgrounds in white, black, medium gray and warm beige to enhance versatility and creativity!

Great new features include: 16" x 16" x 16" photo box produces a beautiful, even, overall light while reducing shadows and glare; 120 super-bright, cool-running, built-in LEDs; daylight temperature illumination for most accurate color rendition and clearest detail; four interchangeable backdrops for maximum variety and contrast; adjustable camera stand; power supply plugs into standard household outlet.

#89511 Photo Studio In-A-Box SIB-110®. List \$129.95 ... Our Price **\$114.95**

The Must-Have Tech Gadget Everyone Wants

We've never seen anything quite like this, and chances are, you haven't either. Our Digital Microscope takes the concepts of miniature inspection and analysis, micro image and video capture and precision measurement to near-scientific levels. This powerful, versatile and affordable instrument allows you to see that which you've never seen before with remarkable clarity on your computer, big screen television and even your phone! We know you'll find all kinds of uses for this amazing tool, some of which include model building and detailing, jewelry making, creating prototypes, carving, material inspection, micro photography and video, and so much more.

#88069 Digital Microscope with Self-Broadcast WiFi

See our website for detailed specifications.
List \$749.99 ... Our Price **\$599.95**

See incredible detail far beyond the capability of the naked eye! Capture amazing images and video on your phone and other devices!

**These Unique, Adjustable-Focus Magnifying Glasses Are the Only Pair You'll Ever Need!**

Introducing Eyejusters... the most versatile magnifying glasses you've ever seen! With an adjustable strength range of +.50 to +4.00 Diopter, Eyejusters enable the user to go from painting, assembling, detailing and repairing models and countless other projects to reading, working on a computer, or even fixing plumbing under the sink! A simple turn of the hidden eyeDials™ changes magnification instantly. **\$88.95 each**

Classically styled Eyejusters are available in:

#87918 Tortoise

#87919 Black

#88027 Stainless Steel Gray

**Absolute Origin Digital Caliper Has Data Capturing Capability**

Absolute origin technology memorizes zero by displaying the actual sensor position, making resetting to zero obsolete. Combined with data capturing capability from its built-in data port,* this caliper is one of the most sophisticated measuring instruments of its kind. Includes hardened stainless steel ruler beam, moisture-resistant housing, two 3V lithium batteries, and fitted foam-lined polymer case. ISO 9001 certified.

*Requires #86717 USB Interface and Cable, sold separately.

#87943 Absolute Origin Digital Caliper. List \$59.96 ... Our Price **\$52.95**

**Micro Measurement in the Palm of Your Hand**

10x loupe magnifier features distortion-free lenses and 8 bright LEDs for super-accurate close-up work and precise 0.0005" scale micro-measurement of length, diameter, radii, angles, pitch and thickness. Includes lined leather case with snap closure. A high-quality ISO 9001 certified measuring instrument.

#87942 iGaging Lighted 10x Measuring Magnifier. List \$64.95 ... Our Price **\$54.95**

Precision Squares for a Variety of Measuring and Marking Tasks

#87779 Precision Double Square Set, 4" and 6"
Rulers slide in lockable groove; marked with easy-to-read 8th, 16th, 32nd, and 64th inch graduations. Precision ground beams measure 1-7/16" long x 1-1/16" high x 9/16" thick for 4" square; 3-3/4" long x 1-1/4" high x 5/8" thick for 6" square. **\$32.95**

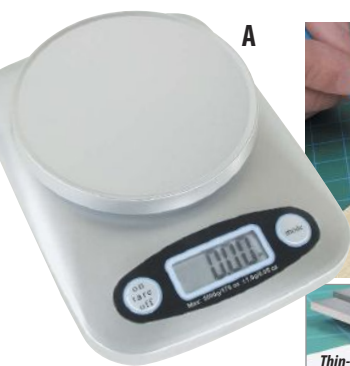


#87779

#87944 Combination Square Set
includes 6" and 12" with machined, cast iron thumb-nut-locking heads, satin-chrome finished and grooved rule blades marked with 8th, 16th, 32nd and 64th inch graduations, plus case. Heads measure 2-7/8" x 2-3/8" x 5/8" thick (6" square) and 4-1/2" x 3-3/4" x 3/4" thick (12" square). **\$59.95**



#87944



A



B

A Micro-Mark Exclusive!



Thin-Beam Square



Regular Square



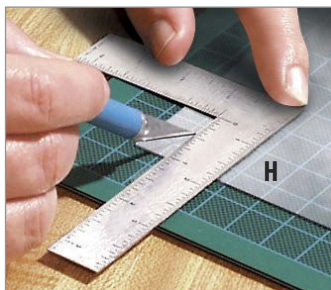
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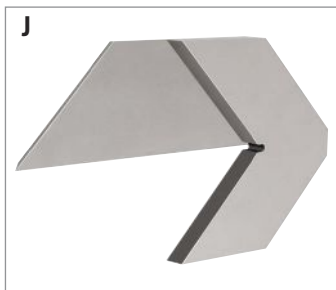
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M

A. Digital Scale Reads in Ounces and Grams

High-precision, 11 pound (5 kg) capacity weight scale with digital readout in 0.05 ounce or 1 gram increments. Includes tare feature and auto shut-off to conserve power. 5" diameter platen.

#83825 Digital Scale. List \$37.45 . . . Our Price **\$29.95**

B. Special Square for Marking and Cutting Thin Materials

Use our Thin Beam Square to mark and cut thin wood and plastic. The extra-thin profile of the beam allows the blade to stay in close contact with the surface of the workpiece, so scribe lines and knife cuts will be super accurate. Works on sheet and strip stock up to 4" wide and as thin as 1/16". Made of ground steel to Micro-Mark specifications.

#83261 Thin-Beam Square **\$19.95**

C. 3-in-1 Digital Gauge for Precision Measuring and Marking

A digital depth gauge, marking gauge, and height gauge combined in one high precision instrument. Use it to measure the height of steps or tool bits, the depth of slots, grooves and recesses, and to mark wood with outstanding accuracy for routing or sawing. Large LCD is easy to read; displays resolutions of .01 millimeters, 0.0005 decimal inches, and 1/64 fractional inches. Measurement range: 0 to 6 inches. Includes 3V energy cell.

#86103 3-in-1 Digital Gauge **\$44.95**

D. Center-Finding Rulers Eliminate Complex Calculations

Find the exact center of circles, squares and rectangles quickly and accurately without tedious math. Simply equalize the readings on each side of zero and mark the center.

#86507 Heavy Duty 12" Stainless Steel 2-sided Center-Finder Ruler is marked in 16ths, 8ths, 32nds and 64ths of an inch, plus markings for bevel angles of 15, 22.5, 30, 45, 60 and 90 degrees. 2" wide with hang-up hole. **\$11.95**

#14421 12" Stainless Steel 2-sided Center-Finder/Conventional Ruler is graduated in 16ths and 8ths on the center-finder side with conventional ruler (non-center-finder) 32nds and 64ths graduations on the back. 1" wide. List \$17.95 . . . Our Price **\$12.95**

E. – F. Digital Inside and Outside Calipers

Measure inside areas and outside thicknesses with digital accuracy to +/- .01". Both calipers include large, clear liquid crystal displays which read in inches (0.01"), metric (0.1 mm) and fractional inches (1/64"); spring-loaded, chrome-finished alloy jaws with lock screw; hold function; battery. Inside caliper range: 0.5" – 6.0"; outside caliper range: 0.0" – 6.0".

List \$37.25 each . . . Our Price **\$33.95 each**

E. #85592 Inside Caliper **F. #85593** Outside Caliper

G. Proportional Divider Scales Drawings Up or Down in Seconds

No need to measure, calculate and re-measure when working from scale plans and drawings. Our proportional divider does it for you. Moveable pivot point adjusts ratio one end to the other. An all-metal precision instrument. Instructions included.

#14129 Proportional Divider. List \$127.20 . . . Our Price **\$114.95**

H. Dimensioned Mini Square Cuts Layout Time in Half

Our mini square has markings on both the outside and inside edges so that measuring and marking is quick, easy and accurate. And it's made of stainless steel, so it also works as a cutting guide for your knife. Especially handy for measuring and cutting scale model window openings and glazing. 3" x 4" overall with acid-etched 1/32" increments for a lifetime of use.

#82147 Mini Square **\$9.95**

J. Locate Centers without Complex Calculations

Use the Center Square to find and mark the exact center of round, square and octagonal parts up to 2-1/2" across. To find the center, insert the item into the "V" of the square and mark a line. Then, rotate the piece 90° and mark again. Made of precision ground steel.

#82285 Center Square **\$14.95**

#83280 Large-Capacity Center Square for stock up to 5" **\$29.95**

K. Stainless Steel Model Railroad's Ruler

Scale graduations in HO, O, S and N, plus inch and millimeter calibrations. Also includes a decimal equivalent chart and reference table on the opposite side. A versatile ruler for the model railroad. 1" wide x 12" long. Stainless Steel.

#10116 Model Railroad's Ruler **\$13.95**

L. Rotape Compass Measures and Draws Large Circles Instantly

Using the Rotape is fast, easy and accurate: simply place the compass point on center, pull the tape out to the desired radius (between 3-1/2" and 6'), and draw your circle. Rotape marks paper, wood, cork, drywall, metal, fabric, concrete, plastic and more. And a special gauge is molded into the bottom of the pocket-size tape housing so you can also mark lines parallel to an edge.

#82624 Rotape Compass **\$39.95**

#82626 Rotape HB Pencil Leads – package of 12, pre-sharpened **\$5.95**

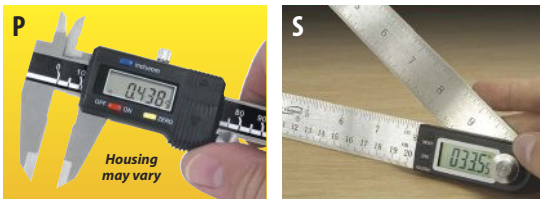
M. Clamp-On Trammel Points

Clamp-on Trammel Points attach to beams up to 1-1/4" thick by any width or length. One end has a hardened steel point to act as a pivot. The other end is dual-function: holds either another point (included) or a standard pencil.

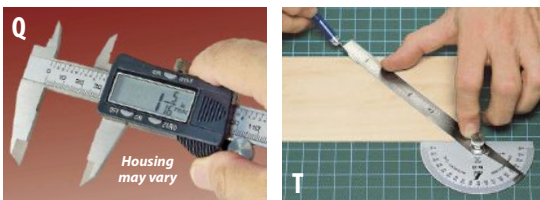
#83187 Clamp-on Trammel Points **\$13.95**



Improved and better than ever!



Housing may vary



Housing may vary



N. Digital Readout Kits for metalworking and woodworking machines include a remote digital display that can be positioned up to 6 feet away for easy viewing. Readings are displayed in .0005", 1/128", and .01 mm increments. Resettable to zero at any position. Includes USB data port, AC adapter power port, mounting hardware and batteries. Available in 3 different lengths.

Aluminum Beam #86713 6" capacity \$34.95 #86714 12" capacity \$39.95 #86715 24" capacity \$50.95

Heavy Duty Stainless Steel Beam #86711 6" capacity \$63.95 #86712 12" capacity \$95.95

Accessories for all Readout Kits #86717 USB Interface and Cable (see website for details) \$95.95 #86718 AC Adapter \$13.95

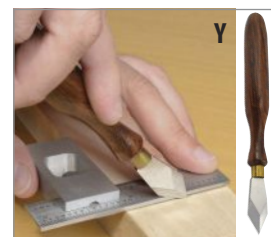
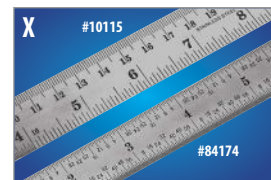
P. #82556 6" Digital Caliper displays in easy-to-see LCD numerals. Measures insides, outsides, depths and steps with a resolution of .0005" or .01 mm. "Zero" button lets you take "2-step" measurements without calculations; instantly converts inches to mm and back. Made of hardened stainless steel. Includes battery, instructions and foam-lined case. **\$34.95**

Q. #83762 Fractional Digital Caliper includes all the features of the above Digital Caliper, plus direct reading in fractional inches. Resolution in fraction mode is 1/64". List \$44.95... Our Price **\$39.95**

R. #84735 Digital Thickness Gauge Push jaws into contact with object surface to quickly and accurately measure thickness. Press a button to display decimal inches, fractional inches or millimeters on large LCD. Measuring range 1". Readability: .001"; 1/64"; .01 mm. Includes on/off switch, hold button to retain last reading, and battery. **\$42.95**

S. #84910 Digital Angle Gauge/Protractor instantly measures 0 to 360 degree angles with a resolution of .05°. Reversible "right-side-up" readings display in large LCD numerals. Resets to zero at any position. Includes 8" and 10" stainless steel rulers marked in 1/16ths, 1/32nds, 1/64ths and mm graduations, plus thumbwheel lock. **\$24.95**

T. #50278 Stainless Steel Protractor beautifully made, with engraved and blackened calibrations. 3-3/8" x 2" plate, 8" blade. **\$24.95**



U. #60299 Angle Setter/Protractor is perfectly sized for miniature construction projects. Beautifully made of stainless steel with engraved and blackened hair-line markings. Doubles as an 8" ruler when extended. 5" long when folded. **\$19.95**

V. #85293 Digital Compass/Divider displays point separation in inches, fractions or mm. Large capacity jaws let you accurately draw or scribe circles up to 16" in dia. Includes interchangeable pencil leads and metal scribers. Resolution 0.01"; 1/64"; .01 mm. **\$64.95**

W. #85936 Miniature Double Square All six sides of the tool steel head block are ground accurate, square, and true. Thumb nut holds 4" scale in secure position end-to-end. Head block is 1/2" thick x 1" wide x 2-3/8" long. **\$14.95**

X. Stainless Steel Machinist's Rules provide the accuracy and readability you need and they will last a lifetime. Both have engraved and blackened markings. Choose 6" all-inch rule or 12" inch/metric rule.

#84174 6" Rule with 8ths, 16ths, 32nds & 64ths \$5.95

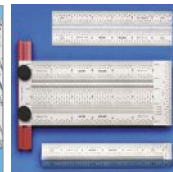
#10115 12" Rule with 8ths, 16ths, 32nds, 64ths, mm & cm \$10.95

Y. #85934 Marking Knife Razor-edged, double-beveled tool steel blade produces a very accurate line for making precise cuts. Hardwood handle has a comfortable smooth finish; flattened sides prevent roll-away. 7" long. **\$21.95**

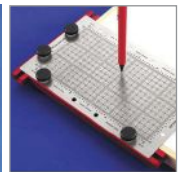
Use Inkra Rules for Precision Measuring & Marking



Precision Marking Rule
#81565 6" \$16.95
#81569 12" \$25.95



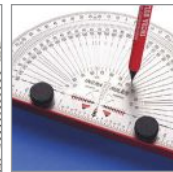
Precision Marking Rule Set
#81568 6" \$69.95
#81572 12" \$102.95



#81874 6" x 3" Precision X-Y Marker \$42.95



#81668 12" Precision Centering Rule \$31.95



#81643 6" Precision Marking Protractor \$42.95



Precision Bend Rule
#81567 6" \$21.95
#81571 12" \$31.95

Uniquely designed precision rulers feature micro-fine guide holes and slots at every 1/16", 1/32" and 1/64" scale position to instantly locate your sharp pencil or scriber at the exact measurement point every time. Once you use these, you'll never want to use conventional rules again. Inkra Rules are proudly made in the USA.

See our website for details and our full line of Inkra Rule products.

Why is almost EVERYONE Using the Wrong Tape Measure?

Our Micro-Mark Right-Read Tape Measure allows righties to roll out the tape easily with the left hand, and make the mark accurately with the right hand because the markings are RIGHT SIDE UP.



#86744 Right-Read Tape Measure
List \$15.95... Our Price **\$11.95**



#50299 Tungsten Carbide Scriber Next to diamond, tungsten carbide is considered to be the hardest material known. Has a finely honed needle sharp point mounted in a 5-1/2" long steel handle. Will scribe plastics for snap cutting. **\$10.95**

#10105 Genuine Diamond Tip Scriber does everything our Carbide Scriber will do and more. Even marks hardened steel and glass. For those who want the best. Includes ergonomically contoured plastic handle and protective cap. 5-1/4" long. **\$19.95**

Pounce Wheels Explained

Transferring Drawings from Paper to Wood

Just roll the pounce wheel over the drawing and it perforates tiny holes in the paper. Place the paper over the wood. Then rub powdered chalk (the kind used for snap lines; available at any hardware store) over the perforated holes. The chalk goes through the holes and marks the wood.

Simulating Rivets on Models

Works on wood, plastic and sheet brass up to .010" thick. Aluminum handles with steel wheels. Tighten chuck for straight lines or loosen for curves.

Set of three: .250" dia. x .041" spacing, .300" dia. x .051" spacing and .412" dia. x .072" spacing. **#15200 Pounce Wheel Set \$29.95**

Give Your Models a Superior Finish with Premium Quality Acrylic Paint Sets from Acrylicos Vallejo

Model Color Brush-on Paints These water-based acrylics were developed specifically for brush application, and provide uniform coverage even on difficult-to-cover surfaces, such as metal and plastic. Model Color dries to a durable, waterproof matte finish with little trace of brush strokes.

Model Air Paints for Airbrush Application These water-based acrylics are formulated especially for airbrushing straight from the bottle...no thinning or special mixing is required. Made with finely-ground pigments and airbrush-perfect viscosity, Model Air goes on smoothly and covers well, even with just a thin coat. Tiny surface details won't be obliterated, and the resulting matte finish is durable and waterproof.

Model Color and Model Air paints are non-toxic, odor-free, and clean up easily with water. Paints are provided in convenient 17 ml (approx. half-ounce) squeeze bottles with removable dropper-style tips that allow brush dipping or drop-by-drop dispensing.

See our website for a complete listing of colors included in each set.



#29042

#29042 Model Air Basic Colors Paint Set



#29036

#29036 Model Color Basic Colors Paint Set

Model Air & Model Color 72-Color Paint Sets List \$299.95 each . . . Our Price **\$209.95 each**

72-color sets include 3 Toray paint brushes and handy storage/carrying case.



#29065 Model Color Flesh & Skin Tone 16-Color Paint Set
List \$52.95 . . . Our Price **\$39.95**



Model Color 16-Color Paint Sets
List \$52.95 ea. . . Our Price **\$39.95 ea.**

- #29032 Allied Forces**
- #29033 American Civil War**
- #29034 Basic Colors, U.S.A.**
- #29035 Naval Colors, Steam Era**



Model Air 16-Color Paint Sets
List \$52.95 ea. . . Our Price **\$39.95 ea.**

- #29063 German Colors WWII Europe & Africa**
- #29037 Basic Colors**
- #29038 Metallic Colors**
- #29039 Weathering Colors**
- #29040 U.S. Air Force, WWII**



Model Air 8-Color Paint Sets
List \$29.95 ea. . . Our Price **\$21.95 ea.**

#29062 Model Air German Colors 1940 - 1945

#29061 Model Air German Colors 1927 - 1941

#29041 Model Air "Bluelight" Emergency Vehicle 8-Color Paint Set
List \$26.95 . . . Our Price **\$21.95**



Metal Color 4-Color Airbrush Paint Sets

- #29074 Jet Exhaust \$27.95**
- #29073 Engine \$27.95**
- #29075 Aluminum Dope \$27.95**



#29043 Model Air "Fluo" Premium Acrylic Polyurethane 5-Color Fluorescent Paint Set
List \$36.95 . . . Our Price **\$29.95**

#29044 Model Air "Candy Colors" Premium Acrylic Polyurethane 5-Color Paint Set
List \$33.95 . . . Our Price **\$25.95**



#29071 Model Air Navy Color Series Kriegsmarine WWII German Colors 8-color paint set \$24.95

#29069 Model Air Navy Color Series Nuclear Submarine 8-color paint set \$24.95



#29064 Model Color Black & White 8-Color Paint Set
List \$29.95
Our Price **\$21.95**

Rust Away without the Guesswork

Model Wash is a pre-thinned acrylic paint that creates rust effects (oxidation) on model surfaces. Just brush on and let dry.

#85841X2 Model Wash - Dark Rust
2 bottles (70 ml / 2.36 fl. oz total) **\$11.95**



Interlocking Modular Paint Racks assemble easily without tools. Buy 1, 2 or more and customize to fit your workspace. Made of laser-cut hardboard with white finish on one side and natural finish on the other. Holes are 1" dia. for 1/2 oz (17 ml) bottles; 1-7/16" dia. for 1.18 oz (35 ml) or 2 oz (60 ml) bottles; 2-1/8" diameter for 6-3/4 oz (200 ml) bottles. **Designed for MicroLux® and Acrylicos Vallejo paints, but may be used with any other brand of model paint jars.**

#86594 Front Module holds fifty-two 1/2 oz bottles, eight 1 or 2 oz bottles, plus 22 brushes. 13-3/8" wide x 8-7/8" deep x 4-1/4" high.

#86595 Corner Module holds twenty-eight 1/2 oz bottles, sixteen 1 or 2 oz bottles, one 6-3/4 oz bottle, plus 26 brushes. 11" wide x 11" deep x 4-1/4" high.



Paint and brushes not included

NEW Paint Sets from the Color Masters at Acrylicos Vallejo



#89424 Acrylicos Vallejo Figure Color Series Face Painting Set, 1/2 fl. oz. bottles, 8 colors. **\$21.95**



#89423 Acrylicos Vallejo Effects Color Series Rust, Stain & Striking Paint Set, 8 colors. **\$21.95**



#89425 Acrylicos Vallejo Effects Color Series Wood & Leather Paint Set, 1/2 fl. oz. bottles, 8 colors. **\$21.95**



#89428 Acrylicos Vallejo Air War Color Series Luftwaffe Colors 1941 To End-War Paint Set, 8 colors. **\$21.95**



#89420 Acrylicos Vallejo Model Color Medieval Colors Paint Set, 1/2 fl. oz. bottles, 16 colors. **\$39.95**



#89432 Acrylicos Vallejo Model Color Metallic Colors Paint Set, 1/2 fl. oz. bottles, 8 colors. **\$21.95**



#89429 Acrylicos Vallejo Effects Color Series Old & New Wood Effects Paint Set, 1/2 fl. oz. bottles, 8 colors. **\$21.95**



#89427 Acrylicos Vallejo Effects Color Series Rust & Chipping Effects Paint Set, 1/2 fl. oz. bottles, 8 colors. **\$21.95**



#29070 Acrylicos Vallejo Effects Color Series Ruins & Rubble Paint Set, 1/2 fl. oz. bottles, 8 colors. **\$21.95**



#89426 Acrylicos Vallejo Fantasy-Pro Malefic Flesh Acrylic Color Paint Set, 1/2 fl. oz. bottles, 8 colors. **\$21.95**



#89421 Acrylicos Vallejo Model Air Building Colors Paint Set, 1/2 fl. oz. bottles, 16 colors. **\$39.95**



#89430 Acrylicos Vallejo Model Color Face & Skin Tones Paint Set, 1/2 fl. oz. bottles, 8 colors. **\$21.95**

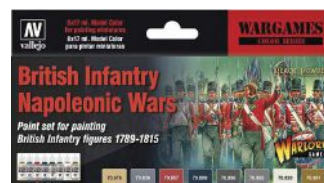
#89418 Acrylicos Vallejo Game Colors Model Air Paint Set

Each color has been meticulously developed in collaboration with model painters who specialize in fantasy figures and dioramas. Set includes 51 colors, 8 surface primers and 5 auxiliary products and color chart. **\$159.95**



Fine Textures for Model Scenery and Brickwork Mortar

Formulated with permanent pigments, microparticles and acrylic resins. Apply with brush, spatula, putty knife or rag. Dries to a hard, durable finish. Use for driveways, foundations, simulated stucco, pathways, mud patches, ditches, etc. Water clean-up. Set includes one 200 ml (6-3/4 oz) jar each of Gray Pumice, Dark Earth and Brown Earth texture paints, plus one 200 ml jar of Sandy (Mortar) Paste which is used to simulate mortar lines on brick buildings...just wipe on/wipe off. **#86532 Texture Paint Set \$44.95**



#29066 Acrylicos Vallejo Wargames Color Series British Infantry Napoleonic Wars Paint Set, 8 colors. **\$21.95**



#89433 Acrylicos Vallejo afv Color Series Wheels & Tracks Paint Set, 1/2 fl. oz. bottles, 6 colors. **\$14.95**



#29068 Acrylicos Vallejo Sci-Fi Color Series Star Fighters Colors Paint Set, 1/2 fl. oz. bottles, 8 colors. **\$24.95**



#89409 The Shifters Galaxy Dust **\$21.95**
#89410 The Shifters Space Dust **\$21.95**
#89411 The Shifters Magic Dust **\$21.95**



#89419 Acrylicos Vallejo Game Color Introduction Paint Set, 1/2 fl. oz. bottles, 16 colors. **\$39.95**



#29072 Model Color Napoleonic Colors Paint Set, French & British, 1789 - 1815, 1/2 fl. oz. bottles, 16 colors. **\$39.95**



#89431 Acrylicos Vallejo Game Inks Acrylic Colors for Fantasy Figures Set, 1/2 fl. oz. bottles, 8 colors. **\$21.95**



#89422 Acrylicos Vallejo Game Color Wash Set, 1/2 fl. oz. bottles, 8 colors. **\$21.95**

Acrylicos Vallejo "MODEL AIR" Railroad Colors 20-Color Paint SetGet 2 of each color below – **40 bottles in all** – for one great package price!#88667 Model Air 20 Railroad Colors Paint Set. Value \$159.00 **Super Buy \$139.95****Acrylicos Vallejo "MODEL AIR" Railroad Colors, 1 oz each (two 1/2 oz bottles) \$6.95**

Like our MicroLux® Paint line, these exceptional quality Acrylicos Vallejo flat-finish, water-based acrylic paints have been custom formulated and color matched to PollyScale paints and labeled with PollyScale color names for easy cross-reference. All the same great features as our MicroLux® Paints apply as well, except these paints are provided in 1/2 oz bottles and price is for one ounce total of each color, and, there are 20 different colors from which to choose.



#29011X2 Concrete	#29016X2 Aged White	#29021X2 Signal Green	#29026X2 Flat Aluminum
#29012X2 Steam Power Black	#29017X2 Dark Green	#29022X2 Tarnished Black	#29027X2 Depot Buff
#29013X2 Undercoat Lt. Gray	#29018X2 Clear Satin	#29023X2 Earth	#29028X2 Reefer Yellow
#29014X2 Clear Gloss	#29019X2 Caboose Red	#29024X2 Reefer Gray	#29029X2 Steel Blue
#29015X2 Box Car Red	#29020X2 Signal Red	#29025X2 Dirt	#29030X2 Light Sea Blue

The Best Way to Store Acrylicos Vallejo Paints

Organize, store and even transport your Acrylicos Vallejo paints in the best way possible with this custom-fitted foam-lined case. Designed specifically for AV 1/2 oz paints, case holds up to 80 bottles and includes an additional space for paint brushes. Made of tough plastic with translucent lid and sturdy latches. **#88668 Acrylicos Vallejo 80-bottle Paint Case \$54.95**

**MicroLux® Superior Quality Flat Finish Acrylic Hobby Paint in Popular Railroad Modeling Colors**

- Blended by expert acrylic paint formulators Acrylicos Vallejo to Micro-Mark specifications • Color matched to PollyScale paint samples; labeled with PollyScale color names for easy cross-reference
- Water-based for safety and easy clean-up • Use airbrush formula on any surface straight from the bottle – no thinning necessary; brush-on formula provides superior coverage without showing brush strokes, even over large areas • Finely-ground pigments for smooth application and superior coverage with a thin coat • State-of-the-art acrylic resin for durable finish • Economy-size 2 oz plastic squeeze bottle for easy dispensing • Practically no odor • Top 10 colors for AIRBRUSH and BRUSH-ON application.



**AIRBRUSH
Colors, 2 oz
\$7.95 each**

#29001 Rail Brown	#29003 RR Tie Brown	#29005 Rust	#29007 Aged Concrete	#29009 Roof Brown
#29002 Grimy Black	#29004 Reefer White	#29006 Clear Flat	#29008 Engine Black	#29010 Roof Red

MicroLux® Railroad Colors 10-Color AIRBRUSH Paint SetGet 1 of each color above – **10 bottles in all** – for one great package price!#88645 MicroLux® 10 Railroad Colors Airbrush Paint Set. Value \$79.95 **Super Buy \$74.95**

**BRUSH-ON
Colors, 2 oz
\$7.95 each**

#29051 Rail Brown	#29053 RR Tie Brown	#29055 Rust	#29057 Aged Concrete	#29059 Roof Brown
#29052 Grimy Black	#29054 Reefer White	#29056 Clear Flat	#29058 Engine Black	#29060 Roof Red

MicroLux® Railroad Colors 10-Color BRUSH-ON Paint SetGet 1 of each color above – **10 bottles in all** – for one great package price!#88644 MicroLux® 10 Railroad Colors Brush-On Paint Set. Value \$79.95 **Super Buy \$74.95****The Best Way to Store MicroLux® Paints**

Designed in-house and manufactured in our own U.S. factory, this elegant wood rack holds up to 10 MicroLux® paint bottles, or any other container up to 1-3/8" diameter. 9-3/4" long x 4-1/4" deep; 2-7/8" high. Assembly required.

#88700 MicroLux® Wood Paint Rack **\$17.95****#81742 Mixing Palettes**

Economical 3" diameter palettes for mixing paint, epoxy, weathering washes and stains; holding small parts during model assembly or repair; small parts cleaning. 3" diameter polyethylene with a lip for wiping off excess paint from brushes. 40 per package. **\$10.95**

**Realistically Weather Model Locomotives with this Custom Set****A Micro-Mark Exclusive!****#85836 Locomotive Weathering Paint Set**

Includes 8 experts-choice water-based acrylic paint colors: dark earth, rust, gray, mud brown, ivory sand, U.S. sand, and dark gray airbrush colors, plus brush-applied gloss black for oil spills/stains. 17 ml (1/2 oz) dropper-top bottles. **\$29.95**



Before



After

**Hunterline Weathering Mix**

Use Hunterline Weathering Mix to create the most realistic finishes and effects on wood models, plastic, paper, cardboard, hydrocal and more. These alcohol-based stains dry quickly, preventing warp when used on wood. Creating infinite color variations is as easy as diluting the mix with common 70% isopropyl alcohol. Colors may also be "layered" for an even wider range of effects. Soap and water clean-up. Choose from 4 colors below. 8 oz bottle. **\$16.95 ea.**

- #89367 Hunterline Barn Red Weathering Mix
- #89368 Hunterline Dark Brown Weathering Mix
- #89369 Hunterline Raw Siena Weathering Mix
- #89370 Hunterline Shale Weathering Mix

These items
ship by ground to
48 contiguous
U.S. only

**\$8
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES**

NEW!**Lead Weathering Sets by AK Interactive**

Create weather-worn effects with greater control and precision than liquid/brush applications. Shading and blending with the four lead types (graphite, white chalk, sepia and chipping) is made easier, as the texture is easy to manipulate with a finger or dry brush. Different effects can be achieved depending on the base finish (glossy, satin or matte) to which they are applied as well. Sharpen with a conventional pencil sharpener. Choose Hard or Soft lead.

#89268 Hard Lead Weathering Set **\$18.95**#89078 Soft Lead Weathering Set **\$18.95****A Micro-Mark Exclusive!**

Age-It EASY Ready-to-use solvent-based formula penetrates deep into wood, creating the look of weather-beaten timber almost instantly. Age-It EASY does not warp wood like water-based solutions. 3-1/2 oz bottle. Ships by ground to 48 contiguous U.S. only.

\$8.95 ea. 2 or more, same item no. **\$7.45 ea.**#80873 Age-It EASY Gray **#81528 Age-It EASY Brown**

**\$8
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES**

Board-By-Board Decking/Siding

features individual planks of wood bonded together side-by-side with black glue in sheets 3" wide x 22" long x .050" thick. To give the wood a realistic weather-beaten look as shown in the photo, stain with Age-It EASY.

- A. #60857 1/16" Plank Width **\$17.95**
- B. #60858 3/32" Plank Width **\$14.95**
- C. #60859 1/8" Plank Width **\$14.95**
- D. #60860 3/16" Plank Width **\$14.95**

#86328 Detail Brush Set Long-preferred by expert model crafters, these brushes are just the right size for precise fine-point paint application and hold enough paint for good coverage without excessive reloading. Synthetic red sable bristles are suitable for both solvent- and water-based paints, and clean easily without bristle damage. Set of 6 brushes includes 3 each of #0 and #1 sizes, with 4-1/2" long white poly handles. **\$19.95**



A Micro-Mark Exclusive!

Doc O'Brien's Weathering Powders



Doc O'Brien's weathering powders let you create an aged, well-worn appearance on scale vehicles, military models, structures, trains, aircraft and even figures. Ultra-fine **self-adhesive** powders are dusted on to simulate the effects of time and the elements... no overcoat required! They're also used as weathering washes when mixed with water. Kit contains enough material to weather dozens of models. Instructions included. Non-toxic.

12 color set includes Dirty Brown, Mildew Green, Grimy Black, Gritty Yellow, Rusty Red, Faded Blue, Rusty Brown, Grungy Gray, Patina Green, Desert Sand, Highlight White and Muddy Red.

#81632 Doc O'Brien's Weathering Powders **\$29.95**

Special Brush Set Applies Weathering Powders to Perfection



This 6-piece set of specialty brushes includes goat and pony hair bristles in the texture, stiffness and contour needed for perfect weathering powder application. The brush tips pick up just the right amount of powder and distribute it just where you want it. Then, use the large brush to blend powders right on the model for maximum realism. Use the foam applicator for spot application of washes that simulate the effects of rain water. Packed in a snap-shut soft nylon case which both protects the brushes and prevents powder residue from soiling other tools.

#85197 Brush Set for Weathering Powders **\$24.95**

Professional-Quality Weathering Brush Set



10 different natural- and synthetic-bristle weathering brushes for the widest variety of effects, techniques, materials and surfaces. 4 smaller brushes feature 3 rounded shapes and 1 angled shape for getting into tight spots and for applying weathering materials just where you want them. 4 larger rounded brushes are ideal for creating the blending effects that give your models the most realistic overall appearance. 2 specialty brushes provide a conical stiff bristle for creating stippling and spatters, and a stiff/soft "comb" type brush for creating additional effects. Set includes a handsome leatherette case with convenient magnetic closure. Case not only stores and protects the brushes from damage; the fold-down top panel prevents residual weathering powders from soiling other tools.

#86009 10-piece Professional Pastel Brush Set with Case **\$44.95**

A Micro-Mark Exclusive!

Rust n Dust™ Makes Anything Look Old and Rusty in Four Easy Steps



It's easy to create a random, natural, rusty metal appearance on just about anything... wood, metal, plastic, paper and more! Just apply Rust n Dust water soluble liquid and powder components in four easy steps. Applications dry in under 1 hour. Includes set of four 2 oz bottles: (1) Rust Wash, (2) Black Wash, (3) Clear Flat and (4) Dust Powder. Rust n Dust is non-toxic and non-corrosive. Ships by ground to 48 contiguous U.S. only.

#84625 Rust n Dust **\$19.95**

Model Pigment Sets for Special Effects Weathering



Use a soft brush to apply these finely-ground powders to weather and age vehicles, fortifications, structures and armor. Works on all model building materials. Bind in place with Micro-Mark Scenic Cement (#85043) or clear flat spray. Each set contains four colors; each color in a 30 ml (1 oz) wide-mouth jar.

#85838 Mud and Sand Set includes light yellow ochre, brown iron oxide, natural umber, and light slate gray. **\$14.95**

#87337 Mud And Puddles Set includes still water, transparent water, European thick mud, and black thick mud. **\$19.95**

#85840 Snow, Soot, Ashes Set includes titanium white, green earth, light slate gray, and natural iron oxide. **\$14.95**

#87468 Rust and Corrosion Set includes brown iron oxide, old rust, rust, and new rust. **\$14.95**

#88066 Dust and Dirt Set includes light desert dust, yellow ochre, burnt umber, and natural iron oxide. **\$14.95**

We recommend... **#85197** Brush Set for Weathering Pigments/Powders. **\$24.95**

A Micro-Mark Exclusive!

#83760 Railroad Tie and Bridge Stain

simulates the look of weathered creosote-treated timber. Apply by brush or by dipping. 3-1/2 fluid oz bottle. **\$9.95**

2 or more **\$8.45 ea.**

Ships by ground to 48 contiguous United States only.



Tamiya Spray-Work HG Wide Airbrush

Built to afford you extended usage without tiring your finger. The trigger-type airbrush is double action; initial spray emits mostly air to enable fine adjustment of the paint spray volume. This high-grade metal airbrush features a large 15 cc paint cup and a 0.5 mm wide nozzle designed for spraying large areas, achieving glossy finishes and/or spraying paints with heavy pigment, such as surface primers and metallic colors. Works with air can or can be connected to a compressor by removing the air valve. A needle stopper allows adjustment of the spray width.

#89597 Tamiya Spray-Work HG Wide Airbrush **\$289.95**

#89598 Tamiya Spray-Work Airbrush Stand II consists of a tray-type base with ample room for storage and two airbrush hangers which accommodate two airbrushes at the same time. Stand is compatible with most Tamiya and many other airbrushes. Includes pipette; airbrushes and bottles not included. **\$24.95**



NEW Gundam Marker Airbrush System

Painting model kits has never been easier! The Gundam Marker Airbrush System provides a completely new way to paint. Just connect the airbrush, air hose and air can, insert a Gundam marker, and you are ready to go! Changing colors is as easy as swapping markers. Create a smoother, more even finish by swapping the existing nib in the Gundam Marker with the included "special marker nibs." This system is especially great for beginners; paint easily without the hassle of cleaning a traditional airbrush.

#89663 Gundam Marker Airbrush System includes airbrush, 3 special marker nibs, air can, air hose and air valve. **\$44.95**

#89665 Mr. Hobby Gundam Marker Basic Set includes blue, red, yellow, white, chisel-tipped gunmetal and 1 fine tip marker for panel lines. **\$19.95**

#89666 Mr. Hobby Gundam Marker Advanced Set includes white, gold, light blue, purple, dark blue and pink. **\$19.95**
See our website for complete details

These Brushes Help You Master Dry Brushing



E. #81081 #2 Dry Brush **\$6.95**

F. #81080 #4 Dry Brush **\$7.95**

G. #81079 #6 Dry Brush **\$8.95**

H. #81078 #8 Dry Brush **\$10.95**

#81082 Set of 4 **SAVE! \$32.95**

Dry brushing is a technique that lightens raised details on models and miniature figures; for example, rivets, tank treads and buttons on a coat. By wiping almost all of the paint from a specially shaped brush, just a touch of color is needed to create subtle highlights for a realistic, artistic appearance. Our special brushes are made of the finest Mongolian sable and have the perfect texture and shape for mastering dry brushing techniques. Brushes are approx. 7" long with lacquered hardwood handles and seamless nickel ferrules.



A. #86116 MicroLux® Pistol-Grip Airbrush Set has a professional feel for projects of all types and sizes. Trigger action controls air flow; adjustable needle controls spray pattern. Gravity-fed, internal-mix gun works with most paints, stains and washes. Set includes airbrush; 3 paint cups: 2 cc, 5 cc with lid, and 13 cc with lid; 2 extra tip assemblies; 3 needles (0.3, 0.5, and 0.8 mm); wrench, 6' long braided hose; fitted case; and instructions. List \$99.95 ... Our Price **\$79.95**



B. #86110 MicroLux® Double-Action Airbrush Set Internal-mix airbrush features a down-and-back trigger that controls both air flow and paint flow. Converts to single-action simply by turning a set screw. Set includes airbrush, two 22 cc (3/4 oz) glass jars, metal jar adapter with pickup tube, one metal color cup, 5' vinyl air hose, hang-up hook, nozzle/hose wrench, protective metal nozzle cap, and fitted storage case. **\$39.95**



C. #84299 Paasche Talon Airbrush Set Engineers configured the trigger, piston and air valve of the Talon to allow a smoother stroke, increase durability and ease of assembly. Talon is perfect for precision control of detail in patterns up to 1-1/2" wide. Set includes Talon airbrush, 6' braided air hose with couplings, hang-up hook, "22 Airbrush Lessons" booklet, parts list and 3 wrenches. List \$147.00 ... Our Price **\$129.95**



D. #81018 Paasche H Series Single-Action Airbrush Set A great external-mix airbrush for beginners and experienced users alike, suitable for everything from fine detail painting to smooth, solid color coverage. Set includes Paasche H Series airbrush; three tips for light, medium and heavy liquids; 1/4 oz metal paint cup; 1 oz plastic paint jar with metal pick up tube; 1 oz plastic storage jar; 6' long braided air hose with 1/4" NPT female fitting, hang-up hook and helpful instructional booklet. Made in the USA. **\$89.95**



E. #86108 Portable Air Compressor Compact in size and weighing just under 8 lbs., this smooth-running, nicely-built air compressor goes where you need it. Auto start/stop means it only runs when you press the trigger on your airbrush, and oil-less, maintenance-free, piston-type construction provides smooth operation with low noise. Includes carry handle, sound-deadening suction cup feet and 1/8" BPS adaptor. Overall size: 10" x 5-5/16" x 6-11/16". Air output: 0.7 to 0.8 cfm. Delivers 20 – 30 psi. List \$109.95 **\$74.95**

F. #86113 MicroLux® Compressor-mounted Pressure Regulator/Gauge/Moisture Trap lets you control the air pressure you need for the type and consistency of paint being sprayed. Regulates airflow from 0 to 150 psi (0 to 10 bar). Built-in moisture trap removes finish-ruining condensation...even on humid days. Fits most hobby/art air compressors with standard 1/4" NPT male outlet fitting. Includes 1/4" fitting. **\$29.95**

G. #86109 MicroLux® Twin-Cylinder Portable Air Compressor Built with special care for the demanding hobbyist-artist, this sturdy, case-mounted air compressor is equipped with features desired by professional airbrush users: 1/4 hp motor-driven twin-cylinder compressor for powerful delivery; 3.5 liter air tank to eliminate pulses that cause paint application problems and reduce compressor cycling; Auto-start/stop switch for continuous replenishment of air tank; Adjustable regulator and pressure gauge for spraying various types of paint; Moisture trap and oil-less piston design eliminates paint contamination; Sound-deadening, ventilated metal enclosure for quiet operation and long life. Air output: 35 to 40 liters/minute. Pressure adjust range: 0 to 57 psi. Auto start at 43 psi; auto stop at 57 psi. Includes carry handle, suction-cup feet, two airbrush holders, thermally-protected motor, 6' line cord, and body-mounted on/off switch. Weight: approx. 24 lbs. Overall size: approx. 14" long x 5-1/2" wide x 14" high. 110VAC. List \$209.95 **\$169.95***

*Use our website shopping cart to calculate freight charge or shipments outside 48 contiguous U.S., or call our order line for assistance.

H. #86539 Whisper Air Compressor Weighing in at just under 9 lbs., this sleek, easily-transported and affordable compressor performs well and looks great doing it. Use the compressor in auto start/stop mode and it runs only when you press the trigger on your airbrush. Or, use the built-in pressure gauge to dial-in the optimal pressure you need (anywhere from 5 to 57 psi) for spraying your choice of media with a continuous, controlled flow. Either way, its oil-less, maintenance-free, piston-type construction provides smooth operation with very low noise, and its internal tank with water drain valve provides dry, pulse-free air flow. Motor: 1/6 hp., 120VAC with 5' cord; body-mounted master on/off switch. Includes 2 airbrush holders, convenient carry handle and sound-deadening feet. Overall size: 5-1/2" wide x 10" deep x 8" high. Air output: up to 0.81 cfm. Delivers up to 57 psi. MicroLux® brand. List \$169.95 ... Our Price **\$129.95**

J. #86114 Mini Filter attaches directly to your airbrush* to remove moisture, oil and dust. Includes clear filter bowl and spring-loaded drain valve. 1/8" BSP fittings: male on one end; female on the other. **\$12.95** 2 or more **\$9.95 ea.** *1/8" BSP male fitting required

K. #86115 Air Hose Durable, highly-flexible cloth-braided air hose with 1/8" BSP female fitting on one end and 1/4" BSP female fitting on the other (fits typical 1/4" NPT compressor output fitting). 3 meters (approx. 10') long. **\$13.95** 2 or more **\$10.50 ea.**

L. #86117 Glass Paint Jars Set of ten 22 cc (3/4 fl-oz) glass jars with plastic caps. 30/400 threaded caps are compatible with MicroLux® brand airbrushes. Foam seals inside caps help keep paint fresh between projects. **\$19.95** 2 or more sets **\$14.95/set**

M. #86119 Pressure Reducing Valve 1/8" BSP male/female **\$8.95** 2 or more **\$7.25 ea.**

N. #86120 Air Line Adapter 1/8" BSP male to 1/4" BSP male **\$6.95** 2 or more **\$5.65 ea.**

P. #86121 Air Line Adapter 1/8" BSP M to 1/4" BSP female **\$6.95** 2 or more **\$5.65 ea.**

Q. #86122 Air Line Adapter 1/4" NPT male compatible **\$6.95** 2 or more **\$5.65 ea.**

R. #86107 Spray Booth Turntable Included with Fold-Up Booth. **\$12.95** 2 or more **\$10.95 ea.**

#82427



\$14
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES

MicroLux® spray booths eliminate the hazards of spraying paint in confined areas. Inside the base of the downdraft-style booth is a powerful, brushless exhaust fan which draws paint overspray from inside the durable metal hood and passes it through a three-stage filter which removes pigment particles and solvent vapors, then vents the cleaned air outside the work area. The clear window which forms the top of the hood lets room light in. Includes 4" diameter exhaust ports, on/off switch for fan, holes for hanging up parts, and filters. All metal construction. Hood requires a few minutes of assembly. 120VAC. *With water-based paint.

#82427 STANDARD 15" x 20" Spray Booth

Interior dimensions are 15" deep x 20" long x 12" high. Single 185 cfm fan directs air flow out the back of the base. Overall height: 21".

List \$526.80 ... Our Price **\$424.95****

Standard Spray Booth Filters and Accessories

#82150 1st stage filters (15" x 20") pkg. of 5 **\$5.95**

#82410 2nd/3rd stage filter set (15" x 20") **\$14.95**

#82429 1st stage filter roll (20" x 1,800"; makes 120 filters) **\$54.95**

#82428 Roll filter tray (20") **\$49.95**

#83368 Tamiya Spray-Work Painting Stand Set

The smooth-gliding bases of these fully rotating paint stands provide precise finger-tip control while airbrushing, even within the confined area of your spray booth. Set of 2 turntables (4-1/2" and 6-1/2" dia. x 4-1/2" tall)

includes adjustable spring clips and molded-in features that hold parts singly or while attached to sprue. **\$39.95**



#86118 MicroLux® Mini Sandblast Gun Set Fine abrasive grains remove old paint and rust without harming surface details...even on plastic...and inside recessed areas impossible to reach with any other method. Engraves intricate designs in metal and glass (when used with a stencil) and distresses wood as well. Operates from propellant can (order #85590 separately) or from any air compressor producing 30 to 45 psi (max: 65 psi). Set includes gravity-fed sandblast gun with 1/8" BSP male fitting, 15 cc (0.5 fl-oz) cup assembly with cover, 6' braided air hose, plus 1/8" BSP male to 1/4" BSP female adapter to fit typical hobby/art compressors, 4 oz of aluminum oxide abrasive, hang-up hook, air mask, and instructions. List \$79.95 **\$69.95**

#84296 Paasche AEX-5 Aluminum Oxide Abrasive, 5 Lbs. **\$22.95****

\$6
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES



#83046 Airbrush Cleaning Kit includes swabs, wood picks, micro brushes, scrub brushes, solvent-resistant funnel, pipettes, solvent cups, dispenser bottle, lint-free cleaning/polishing cloths and a pair of latex gloves. **\$15.95**

Special Knife Makes Perfect Parallel Cuts in Masking Tape, Paper and So Much More!

If you've ever tried to use masking tape on models or other small projects, you know that wide tape just won't follow compound curves without buckling. Our Parallel Cutter will cut tape and a wide variety of other materials into strips 1/16" to 5/8" wide quickly and accurately. You can even cut circles using one blade as a pivot. Made of aluminum and steel. Includes 4 blades.

#83651 Parallel Cutter **\$31.45** #83652 Extra Blades (2) **\$5.95**



#82430

#82430 LARGE 15" x 30" Spray Booth

Interior dimensions are 15" deep x 30" long x 12" high. Dual 185 cfm fans (370 total cfm) direct air flow out dual exhaust ports located on side of the base (left/right reversible). Overall height: 22".

List \$763.10 ... Our Price **\$599.95****

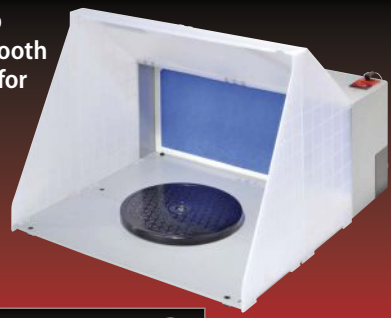
Large Spray Booth Filters and Accessories

#82433 1st stage filters (15" x 30") pkg. of 5 **\$9.95**

#82434 2nd/3rd stage filter set (15" x 30") **\$21.95**

#82432 1st stage filter roll (30" x 1,800"; makes 120 filters) **\$89.95**

Fold-Up Spray Booth is Ideal for Small Work Spaces, Travel and More!



Use 2 booths side-by-side to paint long models

Light-weight (only 7 lbs.) for complete portability, this booth measures just 16" wide x 8" high x 6" deep when folded for easy storage inside a cabinet or on a shelf. Unfolds in

seconds into a large 16" wide x 13" high x 15" deep booth. If you need to spray long items, just place two booths side-by-side to double the width! Power-packed sparkless DC fan motor has 1/3 more air flow than regular AC models. Includes filter for trapping overspray, turntable, and wall power pack. (Plugs into 110VAC wall outlet.) Add a duct (order below) to exhaust fumes outdoors. Made of durable plastic polymers, with metal fan grill and rubber feet.

#86104 Fold-Up Spray Booth

List \$199.95 ... Our Price **\$129.95** 2 or more **\$99.95 ea.**

#86105 Spray Booth Exhaust Duct with Window Vent **FITS ALL SPRAY BOOTHS ON THIS PAGE \$24.95**

2 or more **\$22.95 ea.**

#86106 Replacement air filters for spray booth, pkg. of 5 **\$22.95**

#87898 **Fold-Up Spray Booth Super Value Package** includes 2 EACH spray booths and exhaust ducts, plus 10 filters. Value \$293.80 **Super Buy \$269.45**



Parafilm M™ Masking Material Stretches, Conforms and Covers Like No Other

#80806 Parafilm M cuts easily and conforms to complex shapes and fine details. It produces sharp paint separation without bleed-under, peels off easily, won't pull off decals and metallic paints, and doesn't leave an adhesive residue. Ideal for aircraft and military model camouflage, creating custom car paint schemes and detailing intricate model parts. Complete instructions included. 2" wide x 25' roll. **\$11.95**



The Best Masking Tape...Ever!

This ultrathin masking tape from 3M, used for creating wild designs on 1:1 hot rods, bikes, etc., will follow curves like no other you've ever tried... and because it's a flexible plastic, it conforms and clings to fine details. Tape holds tightly, yet is removed easily without leaving any adhesive residue. Use what pros use to get the sharpest edges ever!

#60725 3M Tape, 1/8" wide x 36 yds. long **\$11.95**

#60726 3M Tape, 1/4" wide x 36 yds. long **\$14.95**

#60727 Set of one each 1/8" and 1/4" 3M Tape **\$22.95**



Protect Your Furniture from Workplace Spills



Durable SlipGrip Hobby Mat protects your furniture from dirt, glue, paint and abrasion. The no-slip bottom surface holds the mat in place while you work. Between projects, simply wipe the non-stick top surface clean, then roll up and store in the included poly tube.

#85221 SlipGrip Hobby Mat (18" x 18") \$25.95

Keep Airbrushes Within Easy Reach and Out of Harm's Way

Our airbrush holder provides safe, secure storage for all airbrush brands...up to 4 at a time! Rubber-coated head tilts and rotates to hold your airbrush at the perfect angle for filling paint cups. Clamps to work surfaces up to 2-1/4" thick.

#83408 Airbrush Holder \$21.95



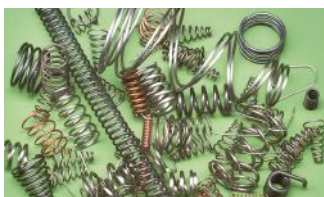
Organizer Stores 21 Tools, Saves Valuable Space



Tools not included

Our 3-level organizer keeps tools within easy reach. Holds pliers, bar clamps, paint brushes, files, hobby knives, tweezers and more. Has 21 compartments with 3 different size openings and takes up just 3" x 6" of valuable workbench space. Color may vary.

#60295 Tool Organizer \$19.25
2 or more **\$18.10 ea.**



#81774 101-piece Spring Assortment includes a selection of industrial quality extension, torsion and compression springs for a variety of applications. **\$10.95**

Use Your Airbrush or Sandblast Gun without a Compressor

#85590 Paasche Airbrush Propellant, 12 oz
Ships by ground to 48 contiguous U.S. only.
\$12.95



Hold-It Easy™
The Better Way to Paint Models

12" long handle keeps your hands away from overspray when airbrushing. Adjusts to hold models with inside dimensions from 1/2" to 5". Made of aluminum and steel with neoprene rubber jaw pads.

#80968 Hold-It Easy Handle \$15.95

Airbrush Cleaning Station



Airbrush not included

Cleans your airbrush without overspray. Keeps your airbrush in top working order anywhere your work takes you. Specially designed lid works with many brands of airbrushes. Incorporates a convenient built-in airbrush stand and easy-to-change filter assembly. Includes cleaning station, 2 airbrush tip fittings, 2 filters and 24 oz screw-top container to contain cleaning station without spills.

#84684 Table-Top Airbrush Cleaning Station \$34.95

#84725 Replacement filter for Airbrush Cleaning Station \$9.95

Mix Art and Hobby Paint with the Push of a Button!



Our paint shaker mixes all types of paints better and more thoroughly than you can with a stick or hand-shaking. Accommodates all small art and hobby size bottles and cans up to 1 oz.

#27162 Paint Shaker, 120VAC \$64.95

#27162A Paint Shaker Strap \$1.95

Funnels for Filtering & Pouring Paint, Solvents and More



#83119 Miniature Strainer Funnel Set Stainless steel strainers trap debris long before it reaches your airbrush. Ideal for all types of hobby paint, these solvent-resistant funnels are the perfect size and shape to prevent spills while transferring paint from bottle to airbrush cup or siphon jar. Set includes 3 funnels: one each with medium, fine and extra-fine mesh strainers. Funnels clean up easily with solvent for use over and over again. **\$19.95**



#60392 4-piece Polyethylene Miniature Funnel Set is solvent-resistant and great for general purpose use. Set includes two 2" dia. with 1/4" neck and two 1" dia. with 3/8" neck. All have hang-up holes. **\$10.95**

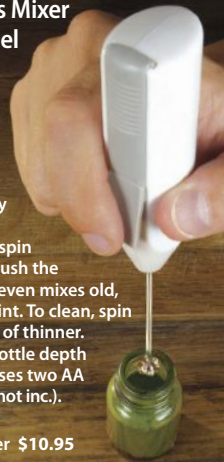


#87164 15-pc. Micro Funnel Set is made of durable, chemical-resistant polypropylene for use with paint, solvents, fuel and more. 5 each of 3 shapes shown. 3/4" to 1-1/2" dia. x 7/8" to 2-1/4" long. **\$12.95**

Cordless Mixer for Model Paints

Mixes paint in-the-bottle for consistent color every time. Just insert the spin disk and push the button. It even mixes old, settled paint. To clean, spin in a bottle of thinner. Handles bottle depth up to 3". Uses two AA batteries (not inc.).

#80975 Paint Mixer \$10.95



#86400 Airbrush Cleaner for Water-Base Paints Spray this special formula through your airbrush to clean, lubricate, and maintain it in peak operating condition. To remove stubborn deposits, immerse in the cleaner, then rinse clean. Shipped in two 200 ml bottles (400 ml / 13.5 liquid oz total). From Acrylicos Vallejo. List \$19.95 **\$14.95**

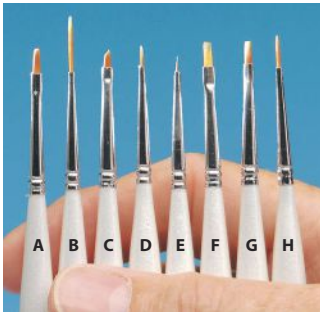


#80770 Holding Tool is great for holding micro size parts while painting, gluing or positioning. Tweezer-type jaws grip tightly with one hand by sliding knurled ring towards tip. Holds objects up to 3/32" thick. Made of stainless steel. 4-1/4" long. **\$11.95**

#80923 Mask-It EASY Apply this high-quality liquid masking film where you don't want paint to stick. Works especially well in small crevices where masking tape is impossible to apply. Paint won't bleed through or seep under edges. Can be sprayed or brushed on. Dries in 1 to 2 hours. Thins and cleans-up with water. 8 fluid oz bottle. (Not for use on porous materials.) **\$11.95**



Specialty Brushes with the Handle You'll Love



These beautifully made brushes are ideal for models, miniatures, bird carvings, wild-fowl art and whenever super fine details are an important part of your project. The unique comfort-grip handles (about the same diameter as a pencil) let you paint with complete control for hours. All brushes are approximately 6" long with seamless nickel ferrules and smoothly sanded and lacquered hardwood handles. The extra fine synthetic filament is the same as we use in our Golden Eagle brushes. Use with solvent or water based paints. Imported from Japan.

- A. #81205** 10/0 Filbert **\$8.95**
(rounded tip)
- B. #81206** 20/0 Script **\$9.95**
(for pin stripes)
- C. #81207** 12/0 Angular **\$9.95**
(tip cut 45°)
- D. #81208** 20/0 Round **\$8.95**
(with sharp point)
- E. #81209** 20/0 Spotter **\$8.95**
(for tiny details)
- F. #81210** 12/0 Grass Comb **\$9.95**
(for grass, hair etc.)
- G. #81211** 10/0 Shader **\$8.95**
(flat, straight tip)
- H. #81212** 20/0 Liner **\$9.95**
(for thin lines)

#81213 BEST BUY! Set of 8 \$65.95

RINSE WELL is Like Having a Sink on Your Workbench



The "Rinse Well" keeps you supplied with clean rinse water when brush painting with water-based paint. Just rinse your brush in the well. Then press the button and the dirty rinse water drains into the base while the well automatically refills with clean water. Saves time and eliminates the mess of filling and refilling several rinse containers. 7" diameter base; 20 oz bottle capacity.

#81415 Rinse Well \$25.95

Micron Paint Brush Sets for Expert Paint Control and Comfort

These affordable, durable mini brushes are the perfect choice for super-detailed work. Micron brushes employ the finest synthetic hair, with seamless ferrules and unique, tri-color lacquered white birch handles. Thicker-than-usual handles give you comfort and expert control with all paints. 3 brushes per set. List \$19.45 ... Our Price **\$14.95/set**

#86319
Detailers 15/0,
10/0 and 5/0

#86320
Pointed Flats
15/0, 6/0 and
2/0

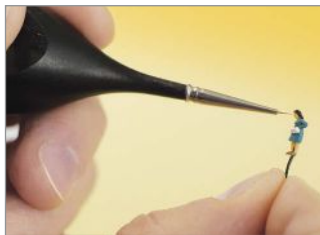
#86321 Flat
Shaders 15/0,
6/0 and 2/0

#86322 Bent
Liner 15/0, Fan
Blender 3/0 and
Shader Flat 2/0



Handle diameter: 5/16" • Length: 6-3/4"

The World's Smallest Paint Brushes?



These micro-miniature 30/0 brushes are perfect for tiny detail painting. The synthetic bristles are compatible with all types of paint and are held securely by seamless nickel ferrules. The specially contoured wood handle nestles comfortably into your hand, providing pinpoint control and eliminating fatigue. The flat surface on one side performs double-duty as a thumb rest and prevents the brush from rolling off your workbench. Overall length approx. 4-1/2". (Note: color may vary.) List \$13.50 ea. ... Our Price **\$10.95 ea.**

#84648 Brush #3

#84649 Brush #6

#84650 Brush #9

#84651 Brush #25 (for striping)

#84709 Set of 4 brushes – one each of above **\$34.95**



Economical, disposable brushes for wood glue, spreading epoxy, small parts dusting and cleaning, and paint touch-up. Horse-hair bristles set in tin handles. 1/2" wide brush. 6" long overall. 48 brushes per pkg.

#15139 Disposable Brushes (48) \$9.95



Cotton Gloves Protect Finishes and Hands

Thin, light-weight, disposable cotton gloves let you handle models without leaving fingerprints. Protects both painted and unpainted surfaces. Also ideal for handling metal objects while polishing. One size fits all. 24 gloves per package.

#70221 Cotton Gloves (24) \$13.95

Heavy Duty Denim Shop Apron Protects You from Messy Paints, Goopy Glues and More

Our below-the-knee-length blue denim apron is not only functional, but good looking as well. Has small pocket for pens, rulers, etc. and side pocket for whatever. Straps tie in the back. Completely washable.



#60473 Denim Apron \$18.95

Pipettes for Precise Liquid Measurement and Mixing

2 cc graduated polypropylene pipettes work like large eye droppers to precisely measure and dispense paint, resins, solvents and other liquids into mixing containers.

#82607 Pipettes (pkg. of 20) \$14.95



Fine Nylon Brush Set



Moderately priced craftsman brushes apply smooth finishes with either solvent or water based colors. Made with shed-proof nylon bristles, seamless ferrules and wooden handles.

#81767 10-piece set includes rounds #3/0, #2/0, #0, #1, #3, #5, shaders #2, #6, #10, and fine glaze #5/8. **\$24.45**

Golden Eagle Brushes... Better Than Red Sable



5 3 1 2/0 5/0 1 2 3 4

ROUNDS

ROUNDS	Size	Price
#60409	5	\$6.95
#60410	3	\$5.95
#60411	1	\$5.95
#60412	2/0	\$4.95
#60413	5/0	\$4.95
#60432	Set of 5 – SAVE!	\$26.95

FLATS	Size	Price
#60448	1	\$4.95
#60414	2	\$5.95
#60415	3	\$5.95
#60416	4	\$6.95
#60433	Set of 4 – SAVE!	\$20.95



1/2" 3/8" 1/4" 1/8" 3/0 5/0 10/0

ANGULAR	Size	Price
#60774	1/2"	\$8.95
#60775	3/8"	\$7.95
#60776	1/4"	\$5.95
#60777	1/8"	\$4.95
#60778	Set of 4 – SAVE!	\$24.95

LINERS	Size	Price
#60779	3/0	\$4.95
#60780	5/0	\$4.95
#60781	10/0	\$4.95
#60782	Set of 3 – SAVE!	\$12.95



Another Micro-Mark **Exclusive!**



Micro-Make™ Doctor DryBooth – and Doctor DryBooth XL – Cut Paint Drying Time in Half!

Nothing stifles productivity and progress on model building, crafting and woodworking projects like waiting for paint to dry. After years of searching, development and testing, Micro-Mark has the solution – Micro-Make™ Doctor DryBooth. As one of the most sought-after and asked-for products ever, Doctor DryBooth delivers on the promise of cutting to a mere fraction the drying times of a wide variety of paints...including enamels. In our own testing, we found that a commercially produced styrene plastic model car body painted to full coverage with a popular spray enamel was dry to the touch in 25 minutes, dry enough to handle without fingerprints in 50 minutes and cured hard and smooth in 75 minutes using Doctor DryBooth. The model exhibited no sign of melting, warp or other distortion. The same model car body, sprayed side-by-side from the same can of paint at the same time and under the exact same conditions, then left to air-dry, took more than double the time to be dry to the touch and much longer still to be fully hardened and cured.*

#88043 Micro-Make™ Doctor DryBooth Available exclusively through Micro-Mark, Doctor DryBooth is a professional-quality product designed specifically for modelers and makers and built to exceed your expectations. The heart of this well-designed unit is its integrated warm air convection system, which circulates gently heated air through the cabinet and around your project, resulting in a superior finish in an incredibly short amount of time. Temperatures inside the cabinet can be set from approximately 135 degrees – great for finishing die-cast, other metals and wood – to approximately 100 to 105 degrees – ideal for plastic, resin and more. A built-in baffle beneath the circulating fan and clear tempered glass door keep dust particles at bay while your project dries. Time dial sets drying interval up to 25 minutes; Heat dial sets temperature. Interior dimensions of the metal cabinet are 10-1/2" wide x 13-3/4" high x 7-1/2" deep (1,082 cubic inches); overall size is 10-5/8" wide x 18" high x 8" deep. Includes 2 chrome plated metal racks which can be adjusted to 13 positions within the cabinet and 6' cord with standard plug for household outlets. List \$224.95 ... Our Price **\$169.95**

#88617 Micro-Make™ Doctor DryBooth XL You asked for it, now you've got it! Designed specifically for anyone producing larger-scale projects and/or many items simultaneously, Doctor DryBooth XL offers over FOUR TIMES the interior volume as our original Doctor DryBooth, allowing you to maximize production efficiency and minimize downtime. Using the same time and temperature controls as the original and based upon the same warm air convection principals, the XL adds a second fan to provide greater air circulation and a maximum temperature of approximately 115 degrees. Interior dimensions of the metal cabinet are 33" wide x 11" high x 12" deep (4,356 cubic inches); overall size is 33" wide x 15-1/4" high x 12.75" deep. Doctor DryBooth XL features a huge 31" x 8-3/4" tempered glass window set in a solid metal-framed door equipped with heavy duty magnetic closures and full-length, bottom-mounted piano hinge for easy one-handed open/close. Includes one heavy duty powder-coated metal rack which can be adjusted to 17 positions within the cabinet and 6' cord with standard plug for household outlets. List \$499.95 ... Our Price **\$399.95**

Model shop builders take note: This booth can hold not just one, but two 1/350 scale battleship hulls (one above, one below) without coming close to touching the interior walls of the cabinet.

**This case study was performed on our original Doctor DryBooth and is for general reference only. Your results may vary based on humidity, ambient temperature, type of paint and other factors. We recommend you perform your own tests for best results.*

As Close to Chrome Plating as Paint Can Go!

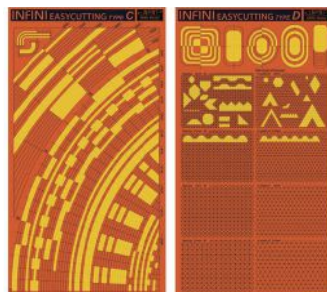
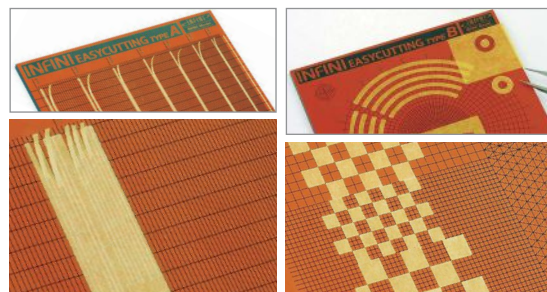
#87970K Mission Models 2-Part Chrome Paint System includes one bottle each of Gloss Black Base Coat and Chrome Top Coat. 1 oz bottles. **\$18.95**

HobbyTrayz™ Modeling Base for Model Builders, Railroaders and More!

An excellent portable work station for model assembly, supply storage and organization, HobbyTrayz™ is also perfect for the construction, maintenance and repair of smaller r/c cars, slot cars, drones, trains, miniature figures and much more! Use it to organize, protect and enhance your workspace with features including a 12" x 9" work area; recessed trays for paints, glues and thinners; glue tube pocket; instruction stand; paint brush rests; molded-in transport handles; under-mat small tool storage and organizer; even includes a handy 12" x 9" cutting mat. 20" x 16" footprint. Made in the USA.

#88163

HobbyTrayz™ 12 x 9 Modeling Base **\$49.95**



Infini Models Amazing "Easy Cutting Guides" are for Ideal for Every Masking Project

Perfect for modelers and crafters, we tracked down these hard-to-find precision cutting guides because we need them, too! Until you try one, you just won't believe how smooth, clean and sharp the cuts you make can be using an ordinary hobby knife and a fresh blade. Delicate laser-etched grooves in the acrylic surface are almost too fine to feel with your finger, yet provide surgically accurate cuts with almost zero effort. Take it from us, you need these! See our website for details. **\$19.95 each**

#88073 Infini TYPE A

#88074 Infini TYPE B

#88075 Infini TYPE C

#88076 Infini TYPE D

Micro-Mark Tip: Our #87953 Silhouette Clear Stencil Vinyl makes a great masking material; see-through for easy cutting using the guides above. 9" wide x 3' long roll. \$9.95



#88139 Doc O'Brien's Paint Tower This clever vertical storage system can hold up to 56 bottles of paint in a miniscule 4" diameter space, putting the otherwise wasted airspace above your work area to good use. Hung from a peg-board or suspended from the ceiling, this 21" tall tower neatly stores virtually all brands of hobby paint, including Acrylics Vallejo, Mission Models, Micro-Mark, Tamiya and more. Includes 7 adjustable shelves, hardware and swivel hook. List \$29.95 **\$26.95** 2 or more **\$22.95 ea.**

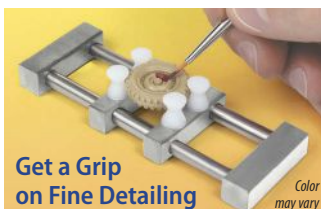


#81313 Jar Opener Adjustable tool easily removes caps from all sizes of paint jars in seconds. Also removes vacuum caps, snap-on caps and every other type of screw-on cap up to 5" dia. Made of chrome-plated steel. **\$9.95** 2 or more **\$7.30 ea.**



#15143 Brush Cleaner with Drying Rack suspends brushes in paint thinner, water and other solvents to loosen paint without damaging bristles.

4" x 2" aluminum tank with nickel plated spring holder includes removable screened basket for small parts cleaning as well. Holds brushes 5/32" diameter and up. Use with water, linseed oil, turpentine and more! List \$22.50... Our Price **\$15.95**



Get a Grip on Fine Detailing

Built-in springs and no-mar plastic pins grip small parts with just the right pressure to hold objects securely without damage. Perfect for painting, assembling, drilling and more. 4" long x 1-1/4" wide.

#83436 Spring-Loaded Parts Holder **\$10.95** 3 or more **\$8.95 ea.**

Micro-Mesh Sanding and Polishing Products Create Glass-Smooth Finishes on an Amazing Variety of Surfaces



Softly padded, double-sided flexible files let you sand convex or concave curves, small slots and other hard-to-sand shapes without gouging or scratching. Each end of the file has a 15° taper for deburring, sanding and polishing hard-to-reach areas. Use them on wood, metal, plastic, fiberglass and most other materials. Clean with soap and water for longer life. 1/8" thick x 1/2" wide x 5-3/4" long. Use dry or wet for ultra-smooth finishes.

#86128 9-piece Dual Angle Sanding File Set includes 5 standard files for normal use, plus a set of 4 extra-fine files for removing imperfections and restoring clear plastic items. Works equally well on other plastic, metal and painted surfaces. Includes 60, 80, 100, 150, 180, 240, 400, 600, 800, 1200, 1500, 1800, 2400, 3600, 4000, 6000, 8000, and 12000 grits. **\$16.95**



#80939



#81601

A Micro-Mark Exclusive!

With grits ranging from 2400 to 12000, the Micro-Mesh Polishing Kit is not only ideal for creating or restoring a high-gloss finish on painted and unpainted surfaces, it can also be used for creating crystal clear finishes on full-size non-glass canopies and windscreens, polishing metals, and producing ultra-smooth finishes on wood. Kit includes everything you need to bring your next project's finish to a dazzling shine, whether used dry or wet: six 3" x 4" sheets of Micro-Mesh in 2400, 3200, 4000, 6000, 8000 and 12000 grit; foam sanding block; micro-gloss polishing cream; 13" x 17" non-woven polishing cloth, and instructions. **#80939 Micro-Mesh Polishing Kit** **\$34.95**

4" x 6" Micro-Mesh Sheets - Only \$4.95 per sheet

#80940	#80941	#80942	#80943	#80944	#80945
2,400 grit	3,200 grit	4,000 grit	6,000 grit	8,000 grit	12,000 grit

Soft Touch Polishing Pads feature the same Micro-Mesh abrasives described above laminated to both sides of a 2" x 2" x 1/8" soft foam pad with rounded corners. Unique cushioned design, comfortable size and ergonomic feel provide additional control and less pressure for the more intricate contours and smaller areas of scale models. Set of 6 two-sided pads in the same grits as above. **#81601 Set of 6 Soft Touch Polishing Pads** **\$12.95**

Carousel Organizers Save Space and Keep Paints and Brushes Handy

Carrousels are not only a pleasure to use, but also are a great way to clean up your work area and keep it organized. Heavy duty ball bearing bases allow carrousels to spin almost effortlessly, making it easy and quick to find the right color. As a bonus, both models hold 16 paint brushes, and include a large knob for carrying and turning. Made of durable polymers with sturdy metal bearings. Designed to hold small paint jars from nearly every manufacturer.

#83149 Model 40 Carousel has two shelves; holds 32 large bottles, 40 medium bottles or 60 small bottles (mix and match from 3/4 to 2 ounces). 11-1/2" diameter x 7-3/4" high. **\$39.95**

#83150 Model 80 Carousel has four shelves; holds 64 large bottles, 80 medium bottles or 120 small bottles (mix or match from 3/4 to 2 ounces). 11-1/2" diameter x 15" to 18" high (depending on 4 shelf-height assembly options). **\$54.95**



#83149



#83150

Ultra-Precision Softback Polishing Sticks for Flawless Finishes



Unlike regular sandpaper which is prone to wrinkling and tearing, the cushioned sponge backing of Infini Model's Softback Polishing Sticks is designed to follow the contours of your project beautifully, resulting in a finer finish in less time. Each stick is double-sided for twice the life, with a semi-flexible plastic backbone in the middle for a firm grip and added pressure when working in confined areas. Set of eight 5-1/4" x 3/4" x 1/8" thick sticks includes one each 400, 600, 800, 1000, 2000, 3000, 5000 and 7000 grit. Use wet or dry.

#88642 Softback Polishing Sticks **\$10.95**
See more Infini products on page 52

Organize, Dry and Protect Your Paint Brushes



Brushes not included
Overall size: 11-1/4" long x 3-1/2" deep x 4-1/4" tall

The Sta-New brush holder keeps 10 brushes neatly organized and lets them dry in the best way possible...bristles down. Clear plastic, compartmented base catches drips and keeps table top dry. Mounts to wall or workbench and snaps together in seconds.

#85941 Sta-New Brush holder **\$24.95**

Clean and Protect Your Paint Brushes for a Long, Useful Life



Brushes, holder and jar available separately

After cleaning your paint brushes, give them the Brush Saver treatment. A final rinse in Brush Saver cleaner/conditioner removes deep down paint particles and leaves the bristles clean, soft and pliable, ready for your next painting session. 16 oz bottle. (Shipped via UPS ground only.)

#86591 Brush Saver, 16 fluid oz **\$17.95**

72 • ORDER TOLL FREE 1-800-225-1066 • 30 DAY MONEY BACK GUARANTEE • OUTSIDE USA CALL 1-908-464-2984

Plasti-Zap The best CA for assembling plastic model kits. Cuts through plastic mold release agents and will not chemically attack or soften plastic parts. Medium viscosity, non-flammable formula cures clear in 15–30 seconds and is sandable and paintable. Can be removed from plastic parts with Debonder.

#80881 Plasti-Zap CA, .33 oz **\$5.45**

#88761 Plasti-Zap Brush-On, .25 oz **\$3.95**

#84368 **Zap Goo** is an all-purpose adhesive and sealant. Not a super glue. Bonds virtually anything to anything. Gooney, strong, clear and remains flexible. For porous and non-porous surfaces. 1 oz tube. **\$4.95**



#80888 **5-Minute Quick Cure Z-Poxy** is specially formulated to bond wood, metals, plastics, fiberglass and more. Shock and solvent-resistant Z-Poxy is non-shrinking and has excellent gap-filling characteristics. Produces a tough, permanent bond in just 5 minutes. Two-part system; mix equal quantities of A & B. Two bottles, 8 fl. oz total. **\$17.45**

Lite Speed Powered Material Gun System

This innovative tool dispenses any brand or viscosity of 2-part adhesive, sealant, potting material, etc. with a press of the trigger. Loads in seconds. Cordless, user-friendly, hand-held design is compatible with all 1:1 or 2:1 rectangular flange 25 ml to 75 ml cartridges. Rechargeable battery dispenses up to sixty 50 ml cartridges on a full charge. System includes Lite Speed Gun, table top charger and stand, 50 ml and 75 ml plungers. Made in USA.

#89543 Lite Speed Powered Material Gun System **\$349.99**

For Micro-Precision Glue Application, Nothing Beats the Diamond PRO Micropipettor

If you have ever over-glued a model kit with a toothpick or glue bottle applicator, this revolutionary new modeling tool will cure that frustration. Whether gluing hard-to-reach areas or the smallest of parts, this Diamond Pro Pipette is the Cadillac of glue applicators. Originally designed for scientific applications, this magnificent precision tool operates on the air displacement principle and uses disposable tips. Draw in only the amount of glue you wish to apply and slowly distribute to your part or seam with the easy-to-use control dial and plunger. Pipette works with all consistency of CA glues. Includes certificate of calibration, a recalibration tool kit and a full one year manufacturer's warranty. Take your modeling to the next level with this ultimate gluing system.

#88842 Diamond Pro Micropipettor List \$216.24... Our Price **\$189.95**

#88841 Pipette Tips, 50 Pack **\$8.95**

#88992 Track Maker Assembly Jig for Tank Track Links. Adjusts from 0 to 30 mm (1-3/16") wide. **\$54.95**

A Micro-Mark Exclusive!

For Square and True Assembly and Repair – and for Holding Items Clamps Can't Grasp – Nothing Beats Our Magnetic Gluing Jig

One of our all-time favorite items, the Magnetic Gluing Jig is an essential tool in the shop, in the studio, in the home... everywhere!



Woodworkers, model builders, DIYers and crafters rely on it every day for joining and holding components perfectly square and true while glue dries, and for holding together and gluing oddly-shaped items on which ordinary clamps would never work. Its beauty is in its simplicity. 8 powerful magnets sandwiched between a fixed plate and a removable/repositionable plate allow you to place the magnets' strong holding force just where you need it on the 10-1/4" x 10-1/4", 21 gauge steel jig plate. The plate's 7/8" flanges are bent up at a 90° angle to hold items squarely and securely. Open ends allow long, thin wood pieces to extend outside the jig if needed. Includes 8 magnetic holding plates.

#60304 Magnetic Gluing Jig **\$29.95**

#60305 Extra Magnetic Plates (8) **\$12.95**

Store Your Glues and Tools the Micro-Mark Way

A Micro-Mark Exclusive!



Glues and tools sold separately.

Designed in-house and manufactured in our own U.S. factory, this elegant laser-cut wood rack is custom-made to hold our SameStuff Plastic Welder and applicator, along with 1 and 2 ounce oval-shaped and round super glue bottles, plus 10 extra spaces for hobby knives, applicators paint brushes, pencils and more! 9-3/4" long x 4-1/4" deep; 2-7/8" high. Makes a perfect companion to our #88700 MicroLux® Paint Rack. Assembly required.

#88879 MicroLux® Gluing Station **\$17.95**

1,000 Micro Screws... 1,001 Uses



#83438 **1,000-piece Metric Micro Screw Assortment** Set of approx. 100 each of 10 micro sizes includes a random selection of screws ranging in size from 1 mm to 5 mm long, .5 mm to 1.5 mm in diameter, with assorted head styles. Segmented wheel with selector-slot keeps screws organized. Great for a wide range of projects. **\$24.95**

Mini Screw Extractors to the Rescue!



When that tiny screw breaks off in the hole, use one of our mini screw extractors to remove it. The specially formed tip of the screwdriver-like tool engages the fractured end of the screw so it can be backed out of the hole. Set of 6 **double-ended** chrome-vanadium bits includes 8 extractors (.039" – .079" dia. and 4 screwdriver tips (Phillips #00 and #0 plus flat blades .070" and .086" wide). Anodized knurled aluminum handles include polymer swivel caps, stainless pocket clips and spring-steel bit retainers. Made in the USA by Moody Tools; backed by an unconditional life-time warranty.

#83475 Mini Extractor/Screwdriver Set **\$49.95**

Safety with Style



A Micro-Mark Exclusive! No shop is complete without safety glasses. But who says safe has to be boring? Our constant quest for innovation has led us to team up with a renowned producer of fashion eyewear to develop the ultimate safety glasses for discerning craftspeople, DIY-ers and makers. These amazingly comfortable and uniquely designed wrap-around faux wood frames provide an unobstructed panoramic view through the one-piece crystal clear polycarbonate lens while you work. Plus, they offer UV 400 sun protection. Includes a handsome and functional fold-flat cork-covered case, ideal for gifting!

#88633 Micro-Mark Safety Glasses **\$19.95**



Make Your Own Decals the Easy, Inexpensive Way

Create your own railroad names, logos, stripes, road racing emblems, stained glass windows, signs, aircraft and military markings and other custom artwork faster and at a fraction of the cost of custom decal services. Copy any pre-printed design, use any computer drawing program, or create your own artwork with ink and paper. Then, print out your artwork onto the blank decal paper using a computer printer or copy machine. Our decal paper works like any other water-slide decal. Just cut out the decal, dip in water, and slide it into place on your project. Use clear decal film for most lettering and graphics; use white decal film when white is needed as a background color. Each sheet of decal paper is 8-1/2" x 11". Complete instructions included.

Note: Decal Papers have been tested in most brands of printers, but the user must determine compatibility with his or her own equipment.

See our website for more information, instructions, and a video demo on producing and applying your own decals using Micro-Mark products.

Inkjet Printer Clear Decal Paper on white backing

#82272 5 sheets \$8.95 25 sheets \$39.95 100 sheets \$129.95

Inkjet Printer White Decal Paper on white backing

#82277 5 sheets \$8.95 25 sheets \$39.95 100 sheets \$129.95

Laser Printer Clear Decal Paper on blue backing

#82370 5 sheets \$8.95 25 sheets \$39.95 100 sheets \$129.95

Note: All decal printing requires a fixative spray to protect printed material from water damage in the application process. See below.

#82858 Fixative Spray A clear glossy acrylic that keeps inkjet- and laser-printed images from smearing or washing off. 6 oz spray can. Not for Alps (ships by ground to 48 contiguous U.S. only). **\$6.95**

#82463 Dullcote flat lacquer fixative spray for all printed images. 3 oz (ships by ground to 48 contiguous U.S. only). **\$5.75**

#85817 Glosscote glossy lacquer fixative spray for all printed images. 3 oz (ships by ground to 48 contiguous U.S. only). **\$6.95**

#82859 Inkjet Try-it Pack Includes one each clear/white and white/white inkjet decal paper sheets, plus one spray can of glossy acrylic fixative (ships by ground to 48 contiguous U.S. only). **\$12.95**

Decal Finishing System is the "Solution" for Perfect Decaling



Decal application can make or break an otherwise flawless model. Put decals on properly, and they become one with the surface of your model for ultimate realism; put them on wrong, and your model is ruined. Give yourself the professional's advantage with our Decal Finishing System. Made by Microscale Industries, this Micro-Mark Exclusive Set includes one ounce each of: Micro Set, to soften decals and improve adhesion or to remove decals; Micro Sol, to "melt" decal film onto irregular surfaces; plus Micro Flat, Micro Satin and Micro Gloss non-yellowing, water-based top coats for that perfect final finish. See our website for individual refills.

#88676 Decal Finishing System \$23.95

#86791 Inkjet Decal-Making Super Value Package includes: Clear Inkjet Decal Paper (5 Sheets), Glossy Lacquer Fixative Spray (3 oz), Squeezers, Decal Scissors, 2 Sponge Applicators, Flat/Smooth Decal Tweezers, Decal Finishing System, Palette, Golden Eagle Paint Brush (#4, Flat) See website for full details Value \$78.85 ... **Super Buy \$59.95**

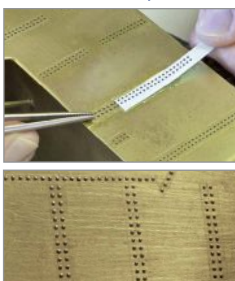


Special Solvent Makes Decals "Snuggle Down"

Solvaset Extra-strength formula readily dissolves decal film...makes decals conform to surface irregularities and eliminates ugly air pockets that can get trapped under the film. Apply with the included brush-cap and let dry. Can be diluted with water for use on delicate decals. 2 fluid oz. Sold by the case.

#86296X6 Solvaset Case (six 2 fl. oz bottles) \$36.95

Add Raised (3D) Rivet Heads and Other Details to Any Surface...Easily, Quickly and Economically!



We've developed a way to produce realistic scale-size rivet heads and other surface details, 3-dimensioned and contoured, on the surface of our blank decal paper. To use, simply cut out and apply like any other water-slide decal...it's that easy! Apply to virtually any material under or over paint. Each package contains over 108 square inches (2 BIG decal sheets) of several different rivet patterns in both straight lines and curves, plus bonus louvers and grillwork. Although described below as for HO or O scales (typically for model railroad applications), they are useful across numerous scales. Made in the USA.

#84985 HO Scale Rivet Decals \$17.95

#84987 O Scale Rivet Decals \$17.95



#88189 Tamiya Panel Line Accent Color gives scribed panel lines and recesses a more realistic appearance of depth. This pre-mixed black enamel paint is diluted to the ideal viscosity for easy application with the included bottle cap brush. Once dried, any excess may be cleaned up with enamel thinner. 40 ml bottle. **\$6.95**



#88303

#88302

Tamiya masking tape is a super-thin, super-strong adhesive tape specifically produced for modeling use. Tape does not absorb paint and leaves no residue when removed.

#88302 Tamiya Masking Tape, 18 mm (3/4") x 60' roll with dispenser \$6.95

#88303 Tamiya Masking Tape, 40 mm (1-1/2") x 60' roll \$4.95



#85847 Decal Fix by Acrylics Vallejo is a dull-finish clear acrylic coating specially formulated to hide the edges of decal film. Apply with a brush after the decal has dried. Set of two 17 ml (1/2 oz) dropper-top bottles (1 oz total). **\$7.95**



#86891 Scale Motorsport Decal Magic Setting Solution is biodegradable, non-toxic, and won't harm painted surfaces. 1 ounce wide-mouth, no-tip jar. **\$5.95**

Squeezers...Perfect for Decals



These precision surgical scissors will cut out decals cleaner and closer than anything else you've ever tried.

#81204 Squeezers \$19.95

Decal Blotter



#85821 Decal Blotter Sponge tip gently blots away excess water and helps position decals without damage. Set of 2. **\$10.95**

Decal Tweezer



Decal Tweezer for perfect decal placement. Stainless steel. 4-1/2" long. **#60907 \$8.95**

#88588 Titanium Tweezer \$12.95

GRAFFITI IT!



#88568 Micro-Mark Graffiti Decal Set Colorful, bold graffiti is part of the modern landscape and adds that extra level of realism to your models and scenery. Our unique, custom designed Graffiti Decal Set provides an impressive array of 32 different designs and 3 different sizes - 194 individual decals in all - spread over four 8-1/2" x 11" sheets of our clear waterslide decal paper. Decals are provided ready-to-use, so all you have to do is snip, dip and slip into place on your model! Includes instructions. Use for any scale. **\$24.95**

Micro-Mark Tip: Add bit of white paint to a darker background before applying light decals to provide some extra visual "pop."



#84781 Adhesive Transfer Tape Clear acrylic, reverse wound, pressure-sensitive adhesive on a densified kraft paper liner. Apply, then peel off the liner to leave only the adhesive on the surface. Bonds a wide variety of similar and dissimilar materials with no mess or clean up. **One** 36 yard roll, 3/4" x 2.0 mil thick. **\$14.95**

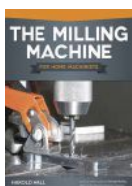
Explore Micro-Mark's top-shelf library of hobby books, how-to guides, reference books and more!



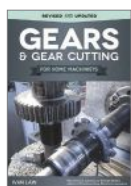
#88028
Mini-Lathe Tools And Projects for Home Machinists, by David Fenner **\$12.95**



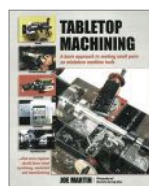
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Mini-Lathe for Home Machinists, by David Fenner **\$12.95**



#87143
The Milling Machine for Home Machinists, by Harold Hall **\$14.99**



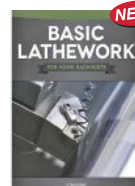
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Gears & Gear Cutting for Home Machinists, by Ivan Law **\$12.95**



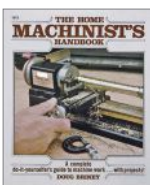
#88900
Tabletop Machining, by Joe Martin **\$42.00**



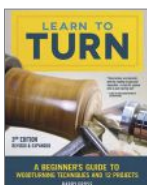
#89601
Basic Benchwork for Home Machinists, by Les Oldridge **\$14.95**



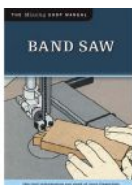
#89602
Basic Lathe Work for Home Machinists, by Stan Bray **\$14.95**



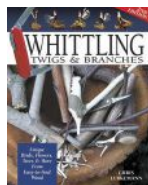
#88901
The Home Machinist's Handbook, by Doug Briney **\$21.00**



#88988
Learn to Turn, 3rd Edition Revised & Expanded, by Barry Gross **\$19.95**



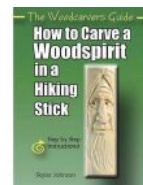
#87605
Band Saw, The Missing Shop Manual **\$12.95**



#87124
Whittling Twigs & Branches, by Chris Lubkemann **\$12.95**



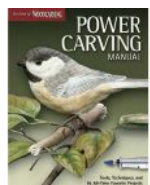
#87142
Learn to Carve Eyes and Lips, by Harold Enlow **\$5.99**



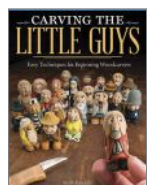
#87131
How to Carve a Wood Spirit in a Hiking Stick, by Skylar Johnson **\$9.95**



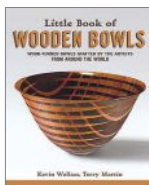
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Cane Topper Woodcarving, by Lora S. Irish **\$19.95**



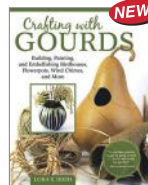
#88029
Power Carving Manual, The Best of Woodcarving **\$19.95**



#88634
Carving the Little Guys, by Keith Randich **\$9.95**



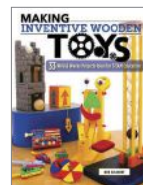
#88616
Little Book of Wooden Bowls, Curated by Kevin Wallace & Terry Martin **\$12.99**



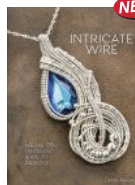
#89140
Crafting with Gourds, by Lora S. Irish **\$17.99**



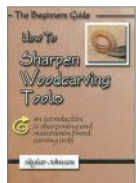
#87608
Great Book of Wooden Toys, by Norm Marshall and Bill Jones **\$19.95**



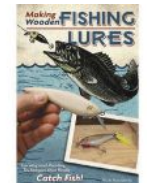
#88987
Making Innovative Wooden Toys, by Bob Gilsdorf **\$19.95**



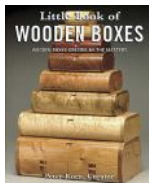
#89624
Intricate Wire, by Debbie Benninger **\$21.95**



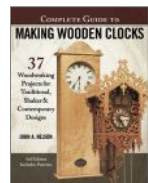
#87133
The Beginner's Guide: How to Sharpen Woodcarving Tools, by Skylar Johnson **\$9.95**



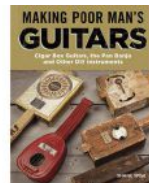
#87604
Making Wooden Fishing Lures, by Rich Rousseau **\$19.95**



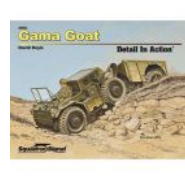
#88615
Little Book of Wooden Boxes, Curated by Peter Korn **\$12.99**



#88980
Complete Guide to Making Wooden Clocks, by John A. Nelson **\$24.95**



#88978
Making Poor Man's Guitars, by Shane Speal **\$19.95**



#89166
Gama Goat, Detail in Action, by David Doyle **\$19.95**



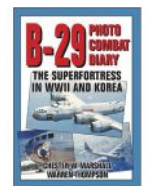
#87820
TANKART Vol 3 - Modern Armor, by Michael Rinaldi **\$48.95**



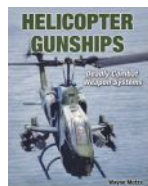
#89168 American Secret Projects 1: Fighters, Bombers and Attack Aircraft 1937-1945, Hardcover, Tony Butler **\$44.95**



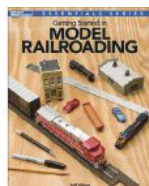
#89178 Deadly Duo: The B-25 and B-26 in WWII, by Charles A. Mendenhall **\$27.95**



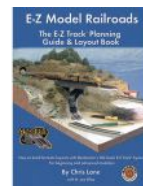
#89175 B-29 Photo Combat Diary: The Superfortress in WWII and Korea, by Chester W. Marshall **\$27.95**



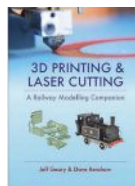
#89195
Helicopter Gunships: Deadly Combat Weapon Systems, by Wayne Mutza **\$34.95**



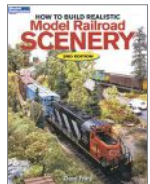
#82033
Getting Started in Model Railroading, by Jeff Wilson **\$21.95**



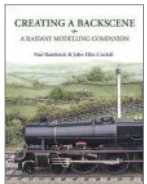
#87361
Bachmann E-Z Model Railroads Track Planning Book, HO, by Chris Lane **\$24.95**



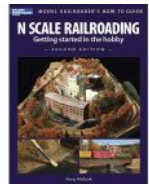
#82023 3D Printing & Laser Cutting: A Railway Modelling Companion, by Jeff Geary & Dave Renshaw **\$24.95**



#88445
How to Build Realistic Model Railroad Scenery, by Dave Frary **\$24.95**



#89267
Creating a Back Scene, Hardcover, by Paul Bambrick and John Ellis-Cockell **\$39.95**



#88034
N Scale Railroading, Getting Started in the Hobby, by Marty McGuirk **\$19.95**



#88456 DVD - 61 min.
DCC Programming Vol. 1, by Model Railroader **\$12.99**



#82056
Pocket Ref 4th Edition Paperback **\$12.95**



#88055
How to Build First Rate Ship Models From Kits, by Ben Lankford **\$19.95**

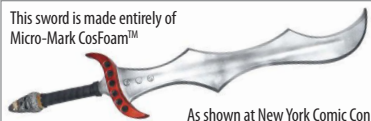


#88056
Planking the Built-Up Ship Model, by Jim Roberts **\$14.95**



Body armor and weapon details made with Micro-Mark CosFoam™

Micro-Mark CosFoam™ All-Purpose EVA Construction Material



Developed, produced and imported just for Micro-Mark, our CosFoam™ is a strong, durable, tear-resistant, higher-density closed-cell EVA foam that is ideal for creating simulated armor, weaponry, replicas, props and more. CosFoam™ is smooth on both sides, cuts easily with any ordinary hobby knife, forms beautifully and holds its shape with the use of a heat gun, bonds together like welded steel with all popular brands of contact cement, and can be made to look remarkably like metal, leather, wood and more using basic painting techniques and Micro-Mark finishing products. 24" x 24" sheets, 2 sheets per package.

- #88612 CosFoam™ Black, 6 mm thick **\$9.95/pkg. (2 sheets)**
4 or more **\$8.95/pkg. (8 sheets)**
- #88613 CosFoam™ White, 4 mm thick **\$8.95/pkg. (2 sheets)**
4 or more **\$7.95/pkg. (8 sheets)**

Micro-Mark MTP™ Moldable ThermoPlastic is the Ultimate Heat-Formable Construction Material



MTP™ captures far more detail than Worbla when pressed in a mold.



What non-toxic, solvent-free material cuts easily with a scissor, is self-adhesive and forms like magic with heat, can be layered, carved, sculpted and even laser-cut, and has virtually zero waste because scraps can be reincorporated and reused? Micro-Mark MTP™! Imported exclusively for Micro-Mark, our MTP™ (Moldable ThermoPlastic) is the same material professional costumers and prop makers from Broadway to Hollywood rely upon for creating the most realistic, highly-detailed, rigid, light-weight and extremely durable simulated armor, weaponry, props, sculptures and more. Sand color, 1 mm thick sheets.

ALL MICRO-MARK MTP™ SHIPS FREE!

#89001 Micro-Mark MTP™ Jumbo, 39.25" x 59" sheet **\$74.95**

#89062 Micro-Mark MTP™ Large, 19.5" x 29.5" sheet **\$24.95**

#89063 Micro-Mark MTP™ Medium, 9.8" x 14.5" sheet **\$18.95**

#89064 Micro-Mark MTP™ Small, two 5" x 10" sheets **\$9.95**

#88678 Thermal Finger Guards, 6-pack. Pure silicone, heat resistant up to 400° F. Great for use with heat guns while forming MTP. **\$12.95**



#89340 Micro-Mark CosFoam™ RIGID EVA Foam The weapons-grade game changer you've been waiting for is finally here! This is the ULTIMATE foam for making every kind of rigid weapon in your cosplay arsenal, no armatures required. CosFoam™ RIGID EVA is super-light, cuts, shapes, carves and glues like a dream and can be used to simulate everything from daggers to axes to guns to steel plates and much more! HUGE 42" x 20" x 1/2" thick sheet. **\$54.95**

Made with the highest-quality, natural ingredients, our **Voodoo Makeup x Micro-Mark** coconut cream to powder foundation actually nourishes and hydrates your skin while you wear it, is water-repellent, buildable, and is weightless. A single pan typically lasts 6 to 9 months when used every day and has a 4 year shelf life. From the fairest of them all to the deepest bronze, our makeup has you flawlessly covered. Hand-made in New Orleans, Louisiana, USA.



Voodoo Makeup x Micro-Mark Primary Color Collection, 2.9 g Pans

- | | | | |
|---------------------|---------|----------------------|---------|
| #89046 Voodoo Red | \$28.00 | #89049 Voodoo Yellow | \$28.00 |
| #89047 Voodoo Green | \$28.00 | #89050 Voodoo Black | \$28.00 |
| #89048 Voodoo Blue | \$28.00 | #89057 Voodoo White | \$28.00 |

#89046K Voodoo Makeup x Micro-Mark 6-color Primary Color Collection includes one each of the primary colors above, plus #89016 case. **\$168.00**

#89016 Micro-Mark Makeup Case 5" x 8" x 7/16" high case includes clear window lid with magnetic closure and holds up to fourteen 36 mm Voodoo Makeup pans. 7" x 4" magnetic interior floor holds metal makeup pans securely, even upside-down! **\$19.95**

#89058 Voodoo Foundation Brush is packed with bristles for ultimate softness and provides the absolute best finish on your skin. Perfect for our makeup. **\$38.00**

#89059 Voodoo Detail Brush provides a feather-weight feel while applying the product, its soft bristles delivering the most gentle touch and a flawless finish. **\$36.00**



Voodoo Makeup x Micro-Mark Flesh Tone Color Collection, 2.9 g Pans

- | | | | |
|--------------------|---------|------------------------|---------|
| #89051 Beautiful | \$28.00 | #89054 Caramel | \$28.00 |
| #89052 Bare Yellow | \$28.00 | #89055 Latte | \$28.00 |
| #89053 Beige | \$28.00 | #89056 Beautiful Black | \$28.00 |

#89051K Voodoo Makeup x Micro-Mark 6-color Flesh Tone Color Collection includes one each of the flesh tone colors above, plus #89016 case. **\$168.00**



#89205 Micro-Mark MagiCut™ EVA Foam Scalpel Package provides surgical precision and 10 times the amount of clean, smooth cuts in EVA foam vs. ordinary hobby blades. Includes ergonomic handle and 10 carbon steel no. 11 scalpel blades. **\$14.95**



#89206 Micro-Mark EasyFlo™ Contact Cement Dispenser Set eliminates the mess, waste and overwhelming fumes while applying contact cement to EVA foam. Use for the neatest, cleanest joints you've ever made! Set of five 4 oz bottles with caps. **\$10.95**



#89297X2 Plasti-Dip is what the pros use to coat EVA foam pieces before applying paint. Plasti-Dip bonds perfectly, provides excellent coverage, and remains flexible, so paint top coats adhere without cracking or wrinkling. Matte black; TWO 11 oz spray cans. **\$18.95**



#89204 Cosplay Mini Belt Sander Package This is the most efficient tool you'll ever use to contour, smooth, and create the finest beveled edges in EVA foam. Set includes Mini Belt Sander, 12V Transformer, 80 and 120 grit sanding belts. Step up to the best! **\$149.95**



#84433K Thermoplastic Workstation Package Use the foot switch to turn the heat gun on and off while your hands are busy shaping and forming. Thermal Finger Guards protect you from heat as you work. Silicone Mat allows you to press and shape thermoplastic without sticking. **\$64.95**



#89273 Cos-Tools Foam Tool Kit Cut that previously unachievable "perfect V-groove" with the included V-Groove Cutter, or do it your way with the Freestyle Cutter! Use the Channel Rail to guide the Snap Knife or use the Push, Straight, or Bevel Cutter to get the job done. The Circle Cutter and Hole Cutter allow you to make any size hole you need up to 6" with ease. Set includes 8 amazing tools for one great price, plus instructions. **\$169.95**

European Body Art

"The Blood" is the most realistic premium stage and film blood available.



Dries completely to a high-gloss finish, giving it the appearance of goopy, wet blood. FDA compliant. Made in USA.

- #89060 10 ml vial **\$8.95**
#89045 2 oz bottle **\$18.95**
#89061 16 oz bottle **\$69.95**



NEW! #89233 Vapore Makeup Remover Vapore contains a blend of the most effective makeup removing ingredients, including jojoba, macadamia and aloe oil, in one formula. Use for removing solvent, alcohol, silicone and water based makeup. 2 oz. **\$6.95**





#88561 UreCoat® Flexible Urethane Coating brushes on and bonds readily to CosFoam™, Smooth-On and other flexible foam products, providing a non-cracking, non-flaking, paint-ready base coat. Moves and bends with your project while remaining impact- and UV-resistant. Mix ratio is 100:10 by weight (gram scale required). 8 minute pot life, re-coat time is 30 minutes; 16 hour cure. Contains no phthalates or VOCs. 1.1 lb. kit. **\$19.95**

#83825 Digital Scale 11 lb./5 kg capacity, reads in 0.05 ounce or 1 gram increments. 5" diameter platen. **\$27.95**



#88555 FlexFoam-IT™ X is ideal for a wide variety of special effects props including rocks, bricks, swords, knives, hammers, etc., plus scenery, custom padding, cushions, and so much more. Mix 1:1, pour into a mold, and FlexFoam-IT quickly expands approx. 6 times, then cures to a solid, yet flexible white foam. 50 second pot life; 2 hour cure time. Ventilation and safe handling is required. **\$26.95**

#86627 Ease Release 2831, 12.8 oz **\$36.95**
Ships by ground to 48 contiguous U.S. only.



#88550 Free Form™ AIR Lightweight Epoxy Putty This low-odor, low-shrinkage 1:1 mix putty is unique and easy to use. Strong and rigid, but so lightweight it will float in water when cured. It can be pressed into a mold, sanded, shaped, drilled, tapped, machined and routed. Dries to gray. Readily accepts any paint and may be tinted with SO-Strong® pigments. 1.8 lb. kit. **\$39.95**



#88560 Smooth-Cast® ONYX™ SLOW urethane resin cures at room temperature to a deep black, hard, solid plastic. Ultra-black and darker than competitive black resins, ONYX can be polished and buffed to a high gloss shine. And, unlike other black resins, ONYX is mercury-free. 1:1 mix ratio with very low viscosity. 5 minute pot life; 90 minute cure time. 2.2 lb. kit. **\$29.95**



#88558 Smooth-Cast® 326 Colormatch Pigmentable Resin This fast-cast, 1:1 mix resin was developed specifically for adding color pigments to achieve true color representation. Formulated "color neutral," small amounts of pigment will yield accurate, vivid colors using SO-Strong® pigments. 9 minute pot life; 60 minute cure time. 1.9 lb. kit. **\$26.95**



#88559 Smooth-Cast® 6SD Semi-Rigid Urethane Resin cures quickly to a semi-rigid plastic that offers excellent abrasion and impact resistance. 1:1 mix ratio and low viscosity for minimal bubble entrapment. Suitable for roto-casting and tinting. 2.5 minute pot life; 15 minute cure time. 1.9 lb. kit. **\$26.95**



#88551 Rebound™ 25 Mold Rubber is an easy-to-use platinum-cure silicone rubber which self-thickens for making brush-on molds of almost any model. It is perfect for subjects with deep undercuts, can be applied to vertical surfaces without sagging and will cure with negligible shrinkage to a soft rubber mold. 4 thin layers are all that is needed. 20 minute pot life; 6 hour cure time. 2 lb. kit. **\$39.95**



#88562 Body Double™ SILK is a self-releasing platinum-cure silicone rubber that can be applied directly to the skin to make highly detailed molds of the face, hands and other body parts. Certified Skin Safe by an independent laboratory, SILK will even release from closely-cropped hair-covered skin surfaces. 1:1 mix ratio. 6 minute pot life; 20 minute cure time. 1.7 lb. kit. **\$44.95**



#88557 Dragon Skin™ 10 FAST is THE time-tested, versatile material for creating everything from amazing skin effects to medical prosthetics to production molds. Soft, super-strong and very stretchy, cured Dragon Skin™ 10 is Certified Skin Safe by an independent lab. An infinite number of color effects can be achieved by adding Silc Pig™ or Cast Magic™. 1:1 mix ratio. 8 minute pot life; 75 minute cure time. 2 lb. kit. **\$39.95**



#88556 Ecoflex™ GEL 00-20 is a versatile, easy-to-use platinum-catalyzed silicone. Certified Skin Safe by an independent lab, cured Ecoflex™ is very soft, super strong and may be stretched to many times its size without tearing, then rebound to its original form without distortion. 1:1 mix ratio. 30 minute pot life; 4 hour cure time. 2 lb. kit. **\$39.95**



#88820 DuoMatrix™ NEO is a versatile polymer-modified gypsum system which can be cast solid, laid up by hand with chopped fiber or sprayed. Fully cured pieces are light-weight, strong and water resistant. Part A is powder and Part B is liquid; 2A:1B mix. 6 minute pot life; 60 minute cure time. 3 lb. kit. **\$52.95**



Cast Magic® is a new and easy way to add an endless variety of bright metallic, glitter and color effects to finished castings. With the Cast Magic® System, you can create spectacular casting effects in a matter of minutes vs. hours or days of hand tooling and finishing. A little bit goes a long way! 2.88 oz each.

#88816 Cast Magic Silver Bullet **\$6.95**
#88817 Cast Magic Gold Finger **\$6.95**
#88818 Cast Magic Silver Bronze **\$6.95**
#88819 Cast Magic Pig Iron **\$6.95**



Smooth-On Pigments are concentrated and brilliantly colored. A little bit goes a long way! 3.2 oz sets. **\$39.95/set**

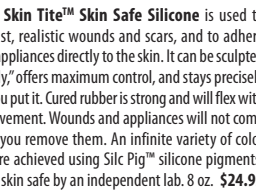
#88553 SO-Strong® Set of 9 colorants can be added to any Smooth-On liquid urethane rubber, urethane plastic, epoxy or urethane foam. **NOT for use with silicones.**

#88554 UV0® Pigments are phthalate-free urethane colorants that resist UV light for making opaque castings. **NOT for use with silicones.**

#88552 Silc Pig™ pigments are used for tinting liquid silicone rubber. The more you add, the greater the effect. 9 colors.



#89230 Skin Tite™ Skin Safe Silicone is used to create fast, realistic wounds and scars, and to adhere silicone appliances directly to the skin. It can be sculpted "on the fly," offers maximum control, and stays precisely where you put it. Cured rubber is strong and will flex with body movement. Wounds and appliances will not come off until you remove them. An infinite variety of color effects are achieved using Silc Pig™ silicone pigments. Certified skin safe by an independent lab. 8 oz. **\$24.95**



#89231 Silabond Pressure-Sensitive Adhesive is a silicone-based, skin-safe, pressure-sensitive adhesive designed to provide superior hold and performance with silicone appliances, hair, foam, latex, plastic and rubber. Silabond is nearly odorless and includes only FDA approved ingredients. The choice of professionals, Silabond uses the fastest evaporating solvents approved for skin use. 2 oz. **\$54.95**

#89232 Silabond Silicone Adhesive Thinner Use 10:1. 2 oz. **\$22.95**



Endura Airbrush Makeup Sets
Endura is an alcohol-based, fast-drying makeup that provides rich coverage, unlimited blending and layering, no cracking, clog-less performance and extreme durability (sweat and waterproof). Made with FDA approved colors, Endura is perfectly safe for direct skin contact and prosthetic applications. Designed for airbrush application.

#89228 Endura Skin Dark with Adjusters Airbrush Makeup, 0.5 oz, 10 pack **\$137.95**
#89227 Endura Skin Light with Adjusters Airbrush Makeup, 0.5 oz, 10 pack **\$137.95**
#89226 Endura Primary Airbrush Makeup Set, 6 colors **\$47.95**



Encore FX Alcohol-Based Palettes Provide Unparalleled Makeup Performance
Each 10-color special effects makeup set is cosmetic-grade, waterproof and highly pigmented. Doesn't crack or transfer, goes on smooth. Includes case. **\$74.95 each**

#89038 Blood Edition
#89039 Bruce Fuller Autopsy Edition
#89040 Joel Harlow Contour FX Edition
#89041 Skin Tone Dark with Adjusters
#89042 Skin Tone Light with Adjusters
#89043 SFX Edition
#89044 Undead Edition



#87724 Smooth-On Ultimate Zombie Kit™ gives you everything you need to quickly and easily create multiple horrifying zombie makeup looks like a pro, including simulated trauma scars, open wounds, burns, cuts, infections and other gruesome FX. Kit includes Skin Tite® silicone, a strong and flexible base which can be applied directly to the skin; Thi-Vex® thickening agent; Silc Pig® Pigment; Rubber Glass®, mixing sticks and cups; fake teeth; makeup palette and step-by-step DVD instructions to guide you through the process. **\$37.95**



#88792 PaintGlow Liquid Latex Horror Kit has been specially formulated so anyone can create gruesome horror effects without having to be a professional special effects artist! Simply paint onto the skin, leave to dry and finish with our famous fake blood and vibrant paint colors. With everything you need in one handy pack, PaintGlow paints are quick-drying, long-lasting and simply wash off with soap and water. Kit includes one .44 oz liquid latex, four .44 oz face paints, paint brush, blending sponge, mixing palette and tutorial guide. **\$14.95**



#88793 PaintGlow Pro UV Face & Body Paint Kit Essential for festivals, cosplay, parties and more! With everything you need in one handy pack, PaintGlow paints glow brightly under a UV blacklight, are quick-drying, long-lasting, and simply wash off with soap and water. FDA and EU Approved. Kit includes six .44 oz (13 ml) pro face and body paints, paint brush, blending sponge, mini UV light for spot testing your designs, mixing palette and tutorial guide. **\$16.95**
See more UV Paints & Sticks on our website

Our resin-casting and mold-making materials are provided in practical, user-friendly quantities for maximum efficiency and exceptional results. These professional-grade products are easy to use and easy to master, unlocking a world of possibilities for all makers. There is no limit to what you can do!

Everything you need to start casting in one complete set!



#82698 Complete Starter Set
includes one each of the following:
#82083 ONE-to-ONE / Rapid Mold Rubber
#82057 CR-600 Casting Resin
#80475 Rubber-to-Rubber Mold Release
#80476 Modeling Clay
#80352 Mixing Set
#82664 Rubber-to-Resin Mold Release
(Ships by ground to 48 contiguous U.S. only)
Value \$126.50 ... Our Price **\$99.95**
#84264 Resin Casting Starter Set Export Version
(Includes liquid Rubber-to-Resin Release instead of spray release).
Value \$126.50 Our Price **\$99.95**

One-to-One mold-making products are easy to mix and easy use for exceptional results



One-to-One / Express

- 6 minute pot life; 30 minute cure time.
- 2.6 lb. kit contains approx. 32 fl. oz. total material. Blue color; tin cure.

#86226 \$44.95

One-to-One products are economical general purpose mold rubbers that are easy to mix: Simply stir equal volumes of A and B together and pour. Use your molds again and again to make multiple resin castings, even those with slight undercuts. De-airs without vacuum.

RESIN CASTING 101 Generally speaking, most projects begin with a "master" or "pattern" – an original object that you wish to reproduce. Use a soft mold material to make rigid castings, such as model parts, sculptural pieces and other hard finished objects; use a rigid material to make soft castings, such as masks, prosthetics and cosplay pieces. Molds made with platinum cure silicones exhibit the lowest shrinkage and have the longest life.

MICRO-MARK CASTING RESINS...

Are user-friendly, water-thin, odorless, and pour easily, resulting in perfectly formed, bubble-free castings. Just mix equal volumes of A and B together and you are ready to go! Each resin product provides excellent reproduction quality, and can be painted, sanded, sawn, filed, tapped, milled and drilled. These resins are compatible with all mold-making materials, including latex, clay and RTV silicone, and may even be used as a super-strong glue for bonding metals, soft woods and plastics. Resistant to fuels, acids and most chemicals when cured, non-tacky, and with no oily residue after curing like other casting resins. Each resin product includes instructions.



*Our **#83825 Digital Scale** is ideal for measuring out **#82663 Ten-to-One High Tear Strength Mold Rubber!**
List \$37.45 ... **\$27.95**



One-to-One / Rapid

- 30 minute pot life; 4 hour cure time.
- 3.2 lb. kit contains approx. 32 fl. oz. total material. Blue color; platinum cure.

#82083 \$39.95

General Purpose Casting Resins



CR-300 Quick-Cure Casting Resin

- 1 minute pot life; 15 min. de-mold time.
- 2.4 lb. kit contains approx. 32 fluid oz total material. Cures to white color.

#81544 \$35.95

CR-600 Casting Resin

- 7 minute pot life; 30 min. de-mold time.
- 2.4 lb. kit contains approx. 32 fluid oz total material. Cures to white color.

#82057 \$35.95

Large, Lab-Quality, Printed Graduation Beakers are a Necessity When Blending High Volumes of Resin, Rubber and Plaster for Mold-Filling

Reusable, superior-quality, polypropylene thick-wall graduated beakers make mixing materials easier than ever before. Example: fill one beaker with Part A and another with Part B. Stir them individually, then combine both parts into one larger wide-mouth beaker for final mixing. Integrated non-drip, low-form tapered spouts facilitate the transfer of materials so you can pour a thin line, eliminating the bubbles that create air pockets in mold rubbers and resins. Filling each container to the top line leaves about 1" from the rim, allowing thorough mixing without spilling. FDA Compliant. Made by Kartell in Italy.

Note: If you use platinum- and tin-cure materials, order additional containers to avoid cross-contamination.

#88843K Beaker Set includes three beakers; two 500 ml and one 1000 ml **\$30.95**

#88843 500 ml Beaker **\$9.95**; 3+ **\$8.95 ea.** **#88847** 5000 ml Beaker **\$38.95**; 2+ **\$34.97 ea.**

#88844 1000 ml Beaker **\$14.95**; 3+ **\$13.95 ea.**

#88846 3000 ml Beaker **\$30.45**; 2+ **\$28.95 ea.**



#88843K Beaker Set

See additional images and details at micromark.com

Ten-to-One mold rubber is ideal for complex molds and casting thin sections



Ten-to-One / High Tear-Strength

- 45 minute pot life; 24 hour cure time.
- 2.2 lb. kit contains approx. 28 fluid oz total material. Tin cure.

#82663 \$49.95

Special formula is ideal for making highly durable molds, even those which include thin sections and/or deep undercuts that put extraordinary stress on mold rubber when castings are removed. Mix 10 parts of A with 1 part of B by weight* and pour into mold box. Includes 2 lbs. of part A and 0.2 lbs. of part B.

RTV Silicone Putty makes a mold in Just 10 Minutes!



RTV Silicone Mold Putty

- 2 – 3 minute working time; 10 – 20 minute de-mold time.
- 1 lb. kit contains approx. 11 fluid oz total material. Platinum cure.

#81853 \$36.95

The fastest, easiest way to make a mold! Use your fingers to mix equal volumes of parts A and B and press the putty around your pattern. After 10 minutes, remove your pattern and your mold is ready for use. Fill mold with resin, plaster, wax... anything.

Extra strength resin for thin, detailed castings



CR-900 High-Strength Casting Resin

- 20 min. pot life; 16 hour de-mold time.
- 2 lb. kit contains approx. 26 fluid oz total material.

#82659 \$39.95

CR-900 attains extra-high levels of strength and rigidity needed for very thin castings (less than 3/16"). 1:1 mix parts A and B. Cures to near-white color. Reaches ultimate strength in 48 hours.

The ideal resin for making detailed castings in color



ColorCast Pigmentable Casting Resin

- 3 min. pot life; 15 min. de-mold time.
- 2.4 lb. kit contains approx. 32 fluid oz total material.

#82133 \$35.95

ColorCast has the same properties as our water-thin CR-300 resin, but cures to a transparent neutral-amber color that lets you cast-in color by adding pigments (available separately).

Casting and Mold-Making Accessories

#88838 Resin-Safe Vinyl Gloves Latex gloves can inhibit the curing of silicone products, ruining your work along with expensive materials. These vinyl gloves are resin-safe and also protect your hands from harsh chemicals, paints and more. Not the thin, skimpy gloves sold in hardware stores – they're tough so they won't tear, yet thin enough so you can handle small objects without reduction of tactile sensitivity. Excellent for household use as well. Gloves stretch to fit any size, left or right. Box of 100. **\$5.95**
2 – 9 **\$4.95 each** 10 or more **\$3.99 each**



#86789 Resin Exploration Super Value Package
Casting and fabricating your own items in resin is easy, inexpensive and fun!

Set includes: #81853 Silicone Putty • #81544 CR-300 Quick Cure Casting Resin • #82415 48-piece Mixing Set • #84400 Easy Casting Techniques DVD.
Value \$105.80
Super Buy \$99.95

Highly Concentrated Opaque Pigment

Requires only 2 or 3 drops per ounce of resin for full color. Can be blended into an infinite number of custom colors. Compatible with epoxy, polyester and our ColorCAST urethane casting resin. 1 oz squeeze bottles. **\$10.95 each**

#82134 White **#82136 Red** **#82140 Yellow**
#82135 Black **#82138 Blue** **#82141 Brown**
 #82139 Green

#83094 Set of all 7 pigments. SAVE! \$57.95



#80475



#80476

#80475 Rubber-To-Rubber Mold Release

Required when making two-part RTV molds. Keeps mold halves from sticking together. 2 fl. oz. Not for use with resins. **\$10.95**

#80476 Modeling Clay A special synthetic clay that will not contaminate silicone rubber. Use for containing flow of RTV during mold making and for making simple molds. 1 lb. **\$12.95**



#82664



#82415

#82664 Rubber-To-Resin Mold Release

Makes it easy to remove resin castings from molds. 12 oz. spray (ships by ground to 48 contiguous United States only). **\$19.95**

#82415 Mixing Set Includes 24 two-ounce capacity plastic mixing cups (calibrated in quarter-ounce increments up to 1-1/2 ounces) and 24 stir sticks. **\$16.95**



#83177



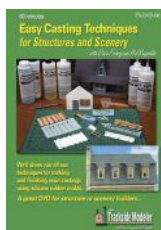
#80352

#83177 Silicone Mold Rubber Thinner

Are your molds capturing every detail? Our thinner reduces the viscosity of silicone mold rubber so it will flow more easily into the intricate details of complex patterns. Add up to 15% by weight to silicone rubber part A. 1 lb. **\$21.95**

#80352 Mixing Set Includes six 8 oz calibrated plastic mixing cups, six stir sticks, 3 brushes. **\$7.95**

Learn to Use
**Micro-Mark
Mold-Making
and Casting
Materials from
the Experts**



Dave Frary and Hal Reynolds reveal their expert, yet easy to master, techniques for making patterns and molds using Micro-Mark silicone rubber. You'll learn how to mix and pour different types of resins to get perfect results every time. Includes instructions for painting and finishing your castings. **#84400 Easy Casting Techniques DVD** (60 min.) **\$24.95**

Metal Casting



#86793 Mini Metal Foundry Super Value Package**
Learn how to cast low-temperature metals and make your own metal pieces and parts.

Set includes:

• #86226 One-to-One/Express Mold Rubber • #83093 Casting Metal Type 280 (3) • #88397 Casting Ladle
• #80965 Metal Casting Booklet
• #86534 Butane Micro Burner
• #60909 Butane Fuel
• #80966 Casting Talc • #80475 Rubber-to-Rubber Mold Release.
Value \$177.50
Super Buy \$114.95

Cast Your Own Metal Parts with these Low Temp. Alloys

Now you can cast small metal parts with fine detail using our complete selection of casting metals and materials. No foundry is needed – just melt the metal in a ladle held over a flame and pour into a silicone rubber mold. Save money by casting your own ship fittings, miniature figures, toy wheels, model railroad detail items, dollhouse hardware, and much, much more... and have fun doing it!



Pour these metals into a silicone rubber mold to form your own castings

#83092 Type 160. Tin/lead/cadmium/bismuth alloy. Melts at approx. 160°F. Can be melted with a candle flame. Extremely low temperature allows this metal to be poured into molds of clay, wood, even cardboard. Can also be poured into model locomotives to increase traction weight. Keep away from children. 8 oz nugget (1.35 cu. in.). **\$16.95**

#83093 Type 280. Tin/bismuth alloy; lead and cadmium free. Melts at approx. 280°F. Can be melted with small butane torch. One 7.5 oz nugget (1.35 cubic inches). **\$18.95**

#80966 Industrial Talc. Used to de-air molds for even metal flow. A must for use with RTV rubber molds. Approx. 2 oz. **\$4.95**

The Best Way to Heat Low Temp Metals for Casting

#60909



Micro burner sits on your bench top, providing the ideal flame for heating low-temp casting metals in a ladle (#88397, sold separately). Flame intensity is adjusted by turning the knob. Includes built-in igniter. Non-tipping base is 3" diameter. Works continuously for 1 hour at max. temp of 2400°F.

#86534 Micro Burner
List \$42.73 ... Our Price **\$39.95**

#60909 Butane Fuel (42 grams) **\$5.95****

#88397 Melting and Pouring Ladle. Steel with wood handle. 8-5/8" long with 1-1/4" diameter bowl. **\$17.95**



Heat-Resistant Heavy Duty Leather Apron

Perfect for use while casting metals, using woodburning tools, soldering, grinding and any other task where hot materials, tools and debris present a working hazard. Heavy duty all-leather apron has 4 riveted pockets; 1 chest pocket for pens, markers, etc. and 3 across the bottom for everything else. Includes neck strap and 30" belt with adjustable plastic buckle. Apron is 35" long and 24" wide. **#87120 Heavy Duty Leather Apron \$19.95**

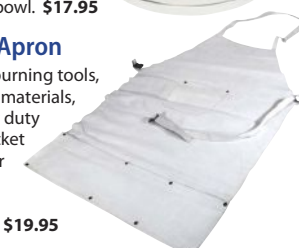


Plate steel, iron, copper, brass, bronze and tin



Cast metal engine BEFORE
Note: to plate die cast or pot metal parts, you must first apply a base of copper.

Plug N' Plate is safe, easy to use, and ideal for plating repair, model building, gunsmithing and more. Connect the power, apply solution, and watch in amazement as a gleaming new finish appears. Each kit includes 110VAC wall transformer, 16 oz plating solution, clip leads, plating wand, and instructions. **\$59.95 per kit**

#83082
Nickel Plating Kit

#83083
Copy Chrome™ Plating Kit

#83248
Copper Plating Kit for die cast & steel

Solution Refills, 8 oz – \$19.95 each

#83085 Nickel solution

#83086 Chrome solution

#83249 Copper solution

This is just a sample of our wide selection of model kits – See more at micromark.com

#89705 Bandai High Grade **NEW!** #02 EVA-00 Proto-type



"Rebuild of Evangelion"
Plastic model kit. **\$39.95**

#89695 Flame Toys **NEW!** Furai Model Bumble Bee




Plastic model kit. **\$47.95**


#89599 Atlantis Models **NEW!** "Godzilla, King of the Monsters"
Plastic Model Kit. **\$32.95**



#89371 Revell® Land Rover III Series 109
Plastic model kit, 1/24 scale. **\$34.95**



#89594 Meng Model Kits **NEW!** Fokker Dr. I "Red Baron" Triplane (New Tool) Multimedia model kit, 1/32 scale. **\$94.95**



#89701 Metal Earth Marvel Comics **NEW!** Deadpool
Metal model kit. **\$24.95**



#89494 Bandai Spirits Tanjiro Kamado "Demon Slayer"
Model kit. **\$29.95**



#89592 Plastic model kit, 1/25 scale. **\$61.95** **NEW!**



INTERNATIONAL PAYHAILER 350 CONSTRUCTION TRUCK

#89470 AMT 1965 Chevelle Surf Wagon Plastic model kit, 1/25 scale. **\$24.95**



#89612 Airfix® Medium Starter Set – RAF Red Arrows Hawk Training Aircraft
Plastic model kit, 1/72 scale. **\$18.95** **NEW!**



#89073 Bandai U.N.C.F. D-1 Mars Absolute Defense Line Plastic Model Set "Starblazers"
1/000 scale. **\$67.95**




#89458 Bandai Figure-Rise Standard "Ultraman" Ver. 7.3
Plastic model kit, 1/12 scale. **\$61.95**



#89380 Hasegawa Hitachi Zaxis 135US Excavator
Plastic model kit, 1/35 scale. **\$54.95**



#89524 Alpha Model Bugatti Chiron Sport
Full resin model kit, 1/18 scale. **\$199.95**



#89611 Airfix® QUICK BUILD Apache Helicopter
Plastic model kit. **\$29.95** **NEW!**



#89372 Academy Gatchaman II: New God Phoenix Spacecraft w/LED Module Plastic model kit. List \$99.00 ... Our Price **\$94.95**



#89447 Meng Model International Space Station Navigation Platform
Plastic model kit, 1/3000 scale. List \$129.99 ... Our Price **\$109.95**



#89383 Hasegawa Hitachi Wheel Loader Z100-6 Multi Plow/Snow Plow Plastic model kit, 1/35 scale. **\$54.95**



#89382 Revell Germany '55 Chevy Indy Pace Car
Plastic model kit, 1/25 scale. **\$32.95**



#89466 Kitty Hawk Models FJ-2 Fury Fighter
Plastic model kit, 1/48 scale. **\$67.95**



#89472 Tamiya Chasmosaurus Diorama Set Plastic model kit, 1/35 scale. **\$24.95**



#89483 Bandai Spirits Gengar "Pokemon"
Plastic model kit. **\$12.95**



#89482 AMT Peterbilt® 359 Wrecker
Plastic model kit, 1/25 scale. **\$44.95**



#89417 MPC Monopoly™ "Paddy Wagon" 1933 Willys Panel Van Plastic model kit, 1/25 scale. **\$29.95**



#89451 A Model From Russia Martin B-57B/C Aircraft
Plastic model kit, 1/44 scale. **\$27.95**



#89548 5Pro Studio Gadget "Inspector Gadget" MEGA-HERO Series Figure. **\$89.95**



#89550 PACMODEL Bandai Spirits Entry Grade "Pac-Man"
Plastic model kit. **\$9.95**



#89515 Polar Lights® Scooby Doo Mystery Machine
Plastic model kit, 1/25 scale. **\$21.95**



#89468 Revell Germany PT579/588 Patrol Torpedo Boat Plastic model kit, 1/72 scale. **\$29.95**



#89256 Atlantis® USS Ticonderoga CV-14 Aircraft Carrier
Plastic model kit, 1/500 scale. **\$27.95**



See additional kits throughout this catalog and watch our website for a constant stream of NEW model kits!



#88357 Trumpeter German Panther G (Early)
Plastic model kit, 1/16 scale.
\$399.95



#88363 Academy AH-60L DAP Black Hawk Helicopter
Plastic model kit, 1/35 scale.
\$74.95



#89225 Tamiya Fieseler Fi 156 Storch
Plastic model kit, 1/48 scale.
List \$74.00 Our Price **\$69.45**



#89625 Zoukei-Mura Super Wing Series McDonnell Douglas F-4S Phantom II
Plastic model kit, 1/48 scale.
\$74.95



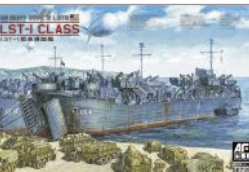
#89627 Zoukei-Mura Super Wing Series F-4E (Early Production) "Betty Lou" Phantom II
Plastic model kit, 1/48 scale. **\$74.95**



#88520 Tamiya U.S. 6x6 M792 Gamma Goat Ambulance Truck
Plastic model kit, 1/35 scale. **\$49.95**



#88541 HobbyBoss M911 C-HET with M747 Heavy Equipment Semi-Trailer
Plastic model kit, 1/35 scale.
List \$151.99 Our Price **\$129.95**



#89395 AFV Club US Navy LST-1 Class 2 Landing Ship
Plastic model kit, 1/350 scale.
\$79.95



#88476 HobbyBoss HY83211 U.S. B-24J Liberator
Plastic model kit, 1/32 scale. **\$249.95**



#88632 Tamiya P-51D/K Mustang Model Kit - North American (Pacific Theater)
Plastic model kit, 1/32 scale.
\$209.95



#88899 Tamiya German 3 Ton 4x2 Cargo Truck
Plastic model kit, 1/35 scale.
\$41.95



#88519 Tamiya German Hanomag SDKFZ 251/1
Plastic model kit, 1/35 scale. **\$16.95**



#88898 Tamiya German Panzerkampfwagen II Ausf.A/B/C French Campaign
Plastic model kit, 1/35 scale.
\$47.95



#88897 Tamiya U.S. Medium Tank M26 Pershing
Plastic model kit, 1/35 scale.
\$41.95



#89237 Kitty Hawk Models OV10A/C Bronco 2-Seater Turboprop Light Attack Aircraft
Plastic model kit, 1/32 scale.
List \$109.99 Our Price **\$99.95**



#88893 Tamiya German Self-Propelled Howitzer "Wespe"
Plastic model kit, 1/35 scale. **\$37.95**



#88896 Tamiya Cromwell Cruiser Mk. IV A27M Tank
Plastic model kit, 1/35 scale.
\$41.95



#88161 US Medium Tank M4A3E8 Sherman "Easy Eight" Korean War
Plastic model kit, 1/35 scale.
\$43.95



#89445 Meng Model "Capture"
Resin Military Figures, 1/35 scale.
List \$44.99 ... Our Price **\$36.95**



#89412 MiniArt Models "Dinner On The Front" Soviet Soldiers Diorama
Plastic model kit, 1/35 scale. **\$26.95**



#88518 Tamiya "Siege Of Tobruk" German 88 mm Gun Flak37 Diorama
Plastic model kit, 1/48 scale.
\$53.95



#88888 Tamiya German "Famo" & Tank Transport
Plastic model kit, 1/35 scale.
\$184.95



#88889 Tamiya German Tank Destroyer Marder III M
Plastic model kit, 1/35 scale.
\$44.95



#88890 Tamiya U.S. M48A3 Patton Tank
Plastic model kit, 1/35 scale. **\$27.95**



#88517 Tamiya Battle Of Ardenennes 1944 - US Infantry Diorama
Plastic model kit, 1/35 scale. **\$30.95**



#87955 Hasegawa F-22 Raptor "Stealth Fighter" USAF
Plastic model kit, 1/48 scale.
List \$99.00 ... Our Price **\$75.95**



#88614 Modelcollect USAF B2A Spirit Stealth Bomber
Plastic model kit, 1/72 scale.
\$149.95



#88352 Tamiya Lockheed F-117A Nighthawk "Stealth Fighter"
Plastic model kit, 1/48 scale.
\$59.95



#88610 Italeri F-35A Lightning II "Stealth Fighter"
Plastic model kit, 1/32 scale.
\$159.95



#88521 Takom Bandvagn BV206S Articulated Armored Personnel Car
Plastic model kit, 1/35 scale.
List \$64.95 ... Our Price **\$59.95**



#89628 Zvezda USAF Lockheed C130 Hercules Military Transport Aircraft Plastic Model Kit, 1/72 Scale. **\$79.95**



#88961 Tamiya Lockheed® P-38® F/G Lightning® Plastic model kit, 1/48 scale. List \$80.00 ... Our Price **\$74.95**



#88924 Zoukei-Mura SWS13 Kawasaki Ki-45 Kai Tei "Tory" Twin Engine Fighter Plastic model kit, 1/32 scale. **\$137.95**



#87903 US M1A1 AIM MBT Tank Plastic Model Kit with Photo-etch, 1/16 Scale. List \$279.95 Our Price **\$239.95**

#88361 Tamiya USS Enterprise Aircraft Carrier Plastic model kit, 1/350 scale. List \$241.00 Our Price **\$229.95**



#88358 Trumpeter German Sd.Kfz. 186 Jagdtiger Plastic model kit, 1/16 scale. **\$399.95**



#89222 Italeri® Zundapp KS750 Motorcycle with Sidecar Plastic Model Kit, 1/9 Scale. List \$106.99 ... Our Price **\$99.95**



#87875 Trumpeter USS Kitty Hawk Plastic Model Kit... List \$324.95... Our Price **\$234.95**

- Over 1400 highly detailed parts • Detailed flight deck and hangar deck • Photo-etched parts included
- Complete decal sets
- One-piece hull

Scale: 1/350
Length: 36.81"
Beam: 9.66"

\$17
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES

Shown with
#87873 KA Models
Deluxe Detail Set installed



#87873 KA Models USS Kitty Hawk Deluxe Upgrade Kit
List \$450.00
Our Price **\$379.95**



#86596 Trumpeter HMS Hood Battle Cruiser Plastic Model Kit
List \$479.95... Our Price **\$349.95**

- Detailed 1-piece hull • Extensive photo-etched parts • Detailed upperworks, superstructure and full weapons suite • Fine deck fittings
- Metal propeller shafts

Scale: 1/200
Length: 51.6"

Shown with **#86657**
Deluxe Detail Set installed

\$15
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES



#86656 Detail Upgrade Kit for HMS Hood
List \$44.95 ... Our Price **\$39.95**
#86657 Deluxe Detail Upgrade Kit for HMS Hood. List \$335.99 ... Our Price **\$289.95**



#85681 Trumpeter Bismarck Plastic Model Kit
List \$379.99... Our Price **\$329.95**

- 1,700 detailed plastic parts • Turned metal gun barrels • Photo-etched handrails, ladders, radar antennae, ladders, and more • Color painting guide
- Includes display stand

Scale: 1/200
Length: 50"
Beam: 7"

Shown with **#86656**
Deluxe Detail Set installed

\$17
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES



#85682 Detail Set for Bismarck \$45.95
#85715 Deluxe Detail Set for Bismarck
List \$469.95 ... Our Price **\$399.95**



#89223 Italeri® "Kettenkrad" Tracked Motorcycle Plastic Model Kit, 1/9 Scale. List \$121.99 Our Price **\$109.95**



#87675 Gallery USS Intrepid Angled Deck Aircraft Carrier Plastic Model Kit, 1/350 Scale. List \$329.98 ... Our Price **\$229.95**

Features include:

- Over 1000 parts • Over 30" long • Includes display stand with name plate
- Full hangar deck with positionable elevators • Includes four A4 Skyhawks, four F-8C Crusaders, four A1H/J Skyraiders, two E1B AEW Tracers, and four UH-2B Seasprites • 6 photo-etched sheets are also included.



#85683 Trumpeter USS Arizona 1941 Plastic Model Kit... List \$269.95... Our Price **\$249.95**

- Two-part hull with option of full or waterline profile
- Includes metal parts and 3 sheets of photo-etch • 2 clear-molded floatplanes • Color painting guide
- Decals for hull, aircraft markings and more

Scale: 1/200
Length: 36.5"

\$13
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES



Shown with
#85685 KA Models
Deluxe Detail Set installed
#85685 KA Models USS Arizona Deluxe Upgrade Kit
List \$314.95
Our Price **\$289.95**



#87737 Trumpeter DKM U-Boat Type VIIC U-552 Plastic Model Kit

#87737 Trumpeter DKM U-Boat Type VIIC U-552 Plastic Model Kit
• 1/48 scale; Length: 55" • 2-piece full hull, with full interior details seen through the transparent starboard hull • Highly detailed interior with front and rear living quarters • 48 crew figures • Photo-etch details. List \$599.95... Our Price **\$439.95**

Tamiya "Work Stand" Turns Any Table Top into a Complete Model Builder's Workstation...Instantly!

The 12 x 18 inch work surface incorporates a well for decal water and a holder for paint brushes, plus storage space for paint bottles, glue and more. The fully adjustable overhead arm is equipped with 6 brilliant LEDs and a large 2x magnifier to provide extraordinary viewing of your model during construction and finishing. Optional spring clips (our #83828) fit into slots in the base to hold parts during assembly and painting. Work surface can be fitted with a cutting mat (sold below). Convenient carry handles let you clear the table without disturbing your work-in-progress. Made of sturdy engineering polymers with a crystal-clear acrylic lens and ON-OFF switch for lamp. Includes rubber feet to protect table surface.

#83827 Tamiya Work Stand. List \$160.00 ... Our Price **\$139.95**

Base size: 17" wide x 14-1/2" deep. Nominal overall height: 12". Magnifier size: 6" wide x 4" deep. Battery for lamp (4 D-cells), cutting mat, tools, model and supplies not included.

Optional Accessories

#36133 8-1/2" x 12" Self-Healing Cutting Mat **\$21.95**

#83828 Spring clip part holders (Pkg. of 8) **\$14.95**



**Tri-Edge
Seam
Scraping
Tool**

There are others available, but this is the only one we've tested that really works! No other tool smooths glue seams or removes parting lines and flash better than our Tri-Edge Seam Scraping Tool. The 3 super-sharp cutting edges are precision ground tool steel. The scraper is held firmly in the finely contoured lacquered handle. Has a 3" long tapered tip scraper blade and 4" long handle. Also deburrs aluminum, brass and other soft metals.

#89334 Tri-Edge Seam Scraping Tool
\$15.95

Special Chisel Removes Unwanted Plastic Details

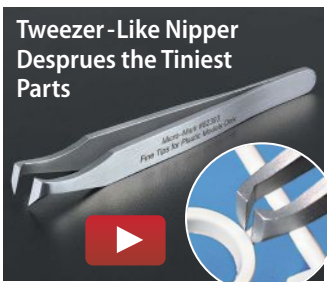


Upgrade your injection-molded plastic models by removing unsightly, out-of-scale details sometimes included by manufacturers. The 4 mm wide, hand-ground cutting edge has slightly-rounded corners; removes handrails, seam lines, and other details without gouging adjacent surfaces. The sturdy, no slip handle gives you precise control over the cutting force. Made exclusively for Micro-Mark of polished, surgical-quality stainless steel and is also ideal for miniature woodworking projects. Approx. 6-1/2" long.

#80893 Plastic Modeler's Chisel **\$21.95**

#82709 Special narrow version with 2 mm wide cutting edge **\$21.95**

Tweezer-Like Nipper Desprues the Tiniest Parts



A gentle squeeze is all that's required to safely separate even the tiniest molded part from its sprue. Finely-ground double-honed tips reach into the tightest locations and flush cut the plastic so that further clean-up is not required. Custom made for Micro-Mark of the highest-quality satin-finish stainless steel. For use on plastic sprues only.

#82393 Despruing Tweezer **\$19.95**

Professional Sprue Cutter from Xuron



This special flush-cutting plier from Xuron makes it easy to remove molded parts from sprues with professional results. Finely ground, heat-treated tips nip-off large parts with ease, yet are delicate enough to release small parts without damage. Includes contoured grips so you can work for hours without cramped fingers. For use on plastic only.

#84386 Professional Sprue Cutter
List \$23.25 ... Our Price **\$19.95**

Cut Plastic Faster, Cleaner, Safer



**#82131
Plastic cutter** **\$6.95**
2 or more **\$5.95 ea.**

Plastic Modeler's Essential Tool Set Super Value Package



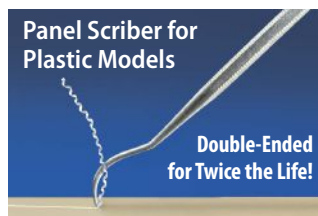
Make your plastic models spectacular with this essential set of finishing items.

Set includes: #86325 Soft Touch Model Mat Protective Pad • #84131 Same Stuff Plastic Welder (4 oz) with Touch-N-Flow Applicator • #89334 Tri-Edge Seam Scraper • #82393 Tweezer Sprue Cutter/Despruing Tweezer • #60728 Panel Scriber for Plastic Models • #86128 Dual Angle Sanding File Set • #84386 Professional Sprue Cutter • #85656 Squadron White Putty (4.6 oz) • #60897 Long Flexible Putty Knife.

#86786 Plastic Modeler's Essential Tool Set Super Value Package
Value \$156.80 **Super Buy \$99.95**

Item ships by ground to 48 contiguous U.S. only.

Panel Scriber for Plastic Models



**Double-Ended
for Twice the Life!**

Use for making realistic-looking recessed panel lines on models. Other scribers just move the plastic so you get a mound on the side of the line like a plowed field. Ours actually removes a thin hair of plastic without distorting the plastic. Made of stainless steel with a knurled no-slip handle. **Has scribers on both ends so it will last twice as long.** Will work equally as well on half-hard brass and aluminum. 1/4" dia. x 6" long.

#60728 Panel Scriber

List \$24.50 ... Our Price **\$16.95**

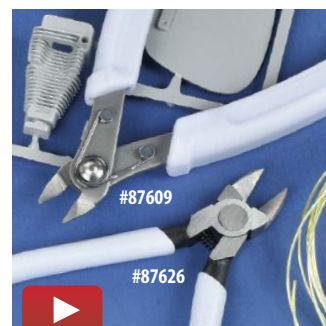
Micro Sprue Cutting Plier



Micro-Mark Modeler's Micro Sprue Cutting Plier is the perhaps the most versatile tool you will find for removing plastic parts from their trees. Low 10-degree cutting angle makes the cleanest flush cuts, even in the tightest locations. Super-sharp, ultra-thin blades minimize parts breakage and shear the most delicate sprues with zero distortion and stress-free cutting action. Unique stop-pin limits opening action as desired and spring return handles have the just-right feel of a finely-tuned instrument. Durable blades have a hardened cutting edge. For plastic sprues only.

#88288 Micro Sprue Cutting Plier **\$24.95**

Fujiya Cutting Pliers Are Like Samurai Swords for Plastic and Wire



Through our exclusive partnership with Fujiya of Japan, Micro-Mark is proud to offer these exquisite cutting pliers for the first time in the USA. Backed by over 90 years of exceptional craftsmanship, these tools are hand-finished and honed to perfection by skilled technicians. Fujiya tools are inspected for flawless alignment prior to packaging.

#87609 13" Super-Sharp Sprue Cutter
Surgically clean slicing action glides through sprues with virtually zero stress, leaving the cleanest parts we've ever seen. Use for plastic sprues **ONLY** up to 3/16" diameter. List \$29.95 ... Our Price **\$25.95**

#87626 25" Sprue Cutter Not only does this cutter make amazing cuts in plastic like the 13" cutter, we've also found it to be the best soft wire cutter on the market for 30 to 14 gauge wire! (.010" to .064" or 1/16"). List \$29.95 ... Our Price **\$24.95**

#85656 Squadron White Modeler's Putty An ideal, fast drying material for filling glue joints, dents, scratches, seams, cracks and other imperfections in plastic models. Bonds readily to styrene, sands easily, and finishes beautifully. Can also be used on wood and metal.
Set of two 2.3 oz tubes (4.6 oz)
\$9.95

Ships by ground to 48 contiguous U.S. only.



#88064 Electric Plank Bender Place your strip on the wooden form and heat it by moving the plank bender over it several times, creating a perfect curve. Set includes soldering iron handle with round metal head, plus a wood pattern with 2 different curves. Made by Model Shipways. List \$34.99 ... Our Price **\$28.95**

Flush Cutter with a New Angle

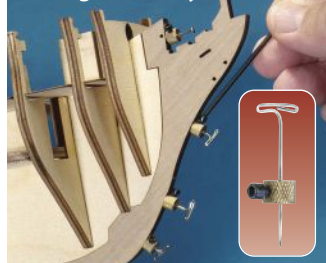


Micro-Mark's uniquely designed End Nipper has a cutting edge that runs **across** the narrow tip of the plier, not along the sides of the jaws. The nipper is used "straight-in," not from the side, and the cutting edge is less than 1/8" wide, so it fits in tight places. Sharp, durable cutting edges cut flush with the surface, so cleanup is not required. Rubber-coated handles provide a comfortable grip. Cuts off pins* that protrude up to 3/4". Overall length: 5-1/2". Precision made exclusively for Micro-Mark by Xuron.

#85916 End Nipper \$25.95

**Designed for use on soft brass pins; not for use on harder materials, such as steel or music wire.*

Pin Collars...A Unique Way of Holding Parts During Assembly



Pin collars are special fittings that lock into position on straight or T-pins. They hold parts in place during assembly when there is no room for traditional spring, bar or screw-type clamps. Set includes 20 collars, 20 Allen head cap screws, a ball-end hex key that works at an angle for easy access, plus instructions for use. Collars are 1/4" dia. Use with #14318 T-pins (below) or similar.

#84419 Pin Collar Set \$16.95

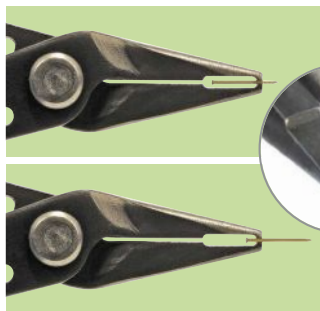
2 or more sets **\$14.50 per set**

#14318 T-Pins, package of 50 **\$5.95**

#70223 Extra-Long Gluing Jig is ideal for assembly of long projects. Includes 6" x 24", 21 gauge, rust-resistant flat steel plate and 8 magnetic holding plates. **\$24.95**
2 or more **\$22.95 ea.**
#60305 Extra Magnetic Plates (8) for Gluing Jigs **\$12.95**



Special Plier Makes Pin Insertion Trouble-free



Another Micro-Mark Exclusive!

Our custom-designed Pin Insertion Plier drives micro-size pins without the troublesome bending and kinking that occur when using a regular plier. Special, slotted jaws with grooved tips let you securely hold a pin near its pointed end for kink-free insertion. After the pin is started, re-grip it and push again. Then use the flat tip of the plier to push it home. Comfortable rubber handles let you work for hours.

#85282 Pin Insertion Plier \$24.95

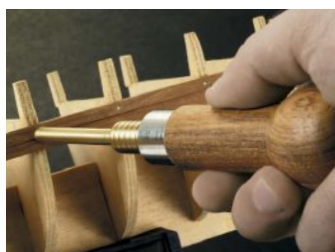
#81844 Mini Nails, ideal for use with above. 3/8" long x .020" diameter (pkg. of 100). **\$5.95**

The No-Fuss Way to Push the Tiniest Pins and Nails

Beautifully crafted and easy-to-hold, our Push Hammer eliminates the hassle of driving tiny nails and pins with a conventional hammer. Simply insert the nail or pin head-first into the spring-loaded barrel and push for straight, lightning fast results every time. Made to Micro-Mark specifications of machined brass and steel with hardwood handle. Overall length: 7".

#83228 Push Hammer for pins with head dia. up to 3/64" **\$17.95**

Recommended pins/nails: #81844 and #14315. See our website.



#83227 Push Hammer for nails with head dia. from 3/64" to 3/32" **\$15.95**

Recommended nails: #14316. See our website.

Fair-A-Frame Building Slip

Designed to accommodate virtually any size keel, Fair-A-Frame aligns bulkheads perfectly, making plank-on-bulkhead hull assembly fast and accurate. Two parallel guides hold the keel as you work, while an adjustable alignment unit straddles the base, ensuring that all bulkheads are square to the false keel. A set of ten metal screws makes the unit fully adjustable in height as well as width. Easy-to-assemble kit includes base, laser cut wooden parts, all necessary hardware, plus instructions for assembly and use. Base: 24" x 4-1/2".

#88058 Fair-A-Frame Building Slip/Alignment Tool. List \$49.99 ... Our Price **\$40.95**

Stainless Steel Scissors for a Lifetime of Use

These are actually surgically sharp dissecting scissors made of instrument quality stainless steel. Precision alignment cuts the thinnest material cleanly to the tip. Excellent for ship model rigging, decoupage, miniature fabrics and other needlecraft work. 4-1/2" long.

#14177 Dissecting Scissors \$8.95



Flitz Does It All!

Flitz is the universal polish that cleans, shines and protects aluminum, brass, stainless steel, copper, chrome, gold and silver. It's also an excellent fiberglass cleaner, and it restores painted finishes as well. Use Flitz paste anywhere; especially on vertical surfaces and other places where a liquid could drip, spill or run.

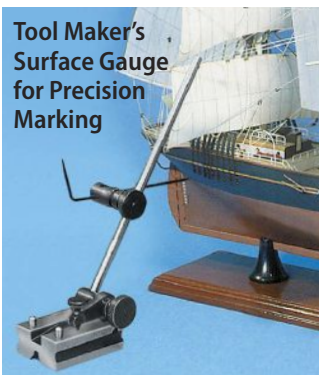
#60436 Flitz, Polish Paste 1.76 oz List \$12.25 ... Our Price **\$9.95**

#86638 Flitz, Liquid Polish, 7.60 oz List \$17.82 ... Our Price **\$14.95**

Micro-Mark Tip for railroad modelers:
Polishing railheads with Flitz promotes good electrical contact and protects against corrosion for months.



Tool Maker's Surface Gauge for Precision Marking



This precision device is used by tool makers to mark a perfectly straight and parallel line at the exact height required. Excellent for marking scale ship model waterlines and for transferring gunport, porthole and other item locations from the ship's plan to the hull. Adjusts quickly to approximate location with coarse adjustment knob and then to exact location with fine micrometer type adjustment knob. Measures and marks any height from 0" to 10". Made of steel with ground and polished base and needle sharp scriber. Can also be used with a pencil.

#60520 Tool Maker's Surface Gauge
List \$54.95 ... Our Price **\$39.95**

#20124 5-piece Probe Set
Surgical quality probes have hundreds of uses for model makers, crafters, jewelers, miniaturists and more. Excellent for manipulating model ship rigging, hooking springs and for ceramic detail work as well. Polished and hardened stainless steel with needle-sharp points. 6" long. **\$19.95**



Wheel & Gear Remover



Use the included hex key to turn in the threaded ram. The shaft will be pushed out of the gear; same for axles and wheels. Works on axles and shafts 1/16" diameter and larger; wheels and gears up to 1-5/8" diameter. Includes 2 rams (approx. .058" and .098" diameter tips), plus V-plate for small wheels, gears and shafts. Clearance under ram 3/4"; slot width 1/2".

#84746 Wheel & Gear Remover \$24.95

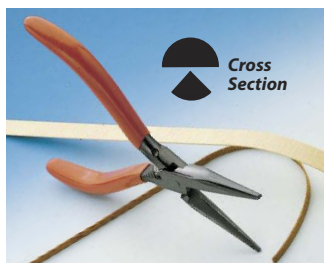
Excel Ship Modeler's Deluxe Tool Chest



Includes: #1 and #2 knife handles, #5 knife and razor saw handle, scribing awl, needle nose plier, aluminum miter box, tweezers, sanding block and wedge, razor saw, 3 drills, 4 gouges, 15 knife blades and fitted wooden chest.

#81504 Ship Modeler's Tool Set
List \$80.45 ... Our Price **\$64.95**

Plank Bending Tool for Ship Models, Dollhouses, Dioramas and More



This well designed tool will bend wood strips without special fixtures, hot irons or soaking in water. One jaw is ground to a triangular edge, the other is flat. When you place a strip of wood between the jaws and squeeze the handles, the triangular jaw crimps a V shape into the back side. Since the other jaw is flat, the opposite side of the strip stays smooth. And since there's a slight gap between the jaws, you get the right amount of compression automatically. The curve you get depends on how far apart you put the crimps. It's the quickest and easiest way we know to bend ship model planking. Can also be used for dollhouses, dioramas and anytime you need a curved strip of wood, soft plastic or cardboard. Handles stock from 1/32" to 3/32" thick x 3/4" wide x any length.

#60379 Plank Bending Tool **\$29.95**



"Big Eye" Threads
Needles, Deadeyes
and Blocks with
Ease

No more struggling to get thread through all those tiny holes when building ship models. The pointed end pierces fabric, so it's also a great tool for rigging sails. 2" long. Eye opens to 1/4".

#81009 Big Eye (Set of 3) **\$8.95**

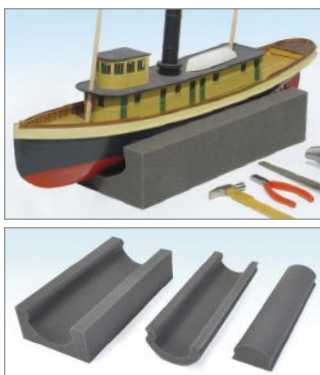
Mini Fingers for Ship Modelers



This set of rigging tools makes ship modeling's most difficult task a lot easier. You'll be able to retrieve, hook, position, tie, gather, maneuver, hold, fish, pull and reach rigging lines on any part of your model. Slim, 7" long handles keep your fingers away from lines you've already installed so you won't have to retighten lines and make repairs. Especially useful for tying lines to belaying pins, cleats, bitts and eye bolts. Steel shanks are set in smooth lacquered artist brush handles.

#60378 5-piece Rigging Tool Set
List \$30.00 ... Our Price **\$24.95**

Triple Duty Foam Cradle for Ship Models



Our custom-designed Ship Cradle holds models while you build, decorate or repair. Concave shape holds large scale models and, with the included insert, adapts to hold small-scale models as well. Use convex shape when you want to work on the entire hull. Safely tip the model in the cradle for access with the superstructure installed. Durable CNC-cut foam rubber holds hulls from 2-3/4" to 5-1/2" (beam) gently, yet securely. Includes all 3 pieces. Overall size: 7-1/2" wide x 3-1/2" high x 15" long. Convex shape: 3" wide.

#85819 Model Ship Foam Cradle
List \$19.95 **\$14.95** 3 or more **\$12.95 ea.**

Loom-A-Line Makes Ship Model Rigging Fast, Neat and Easy

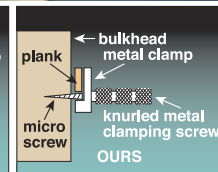
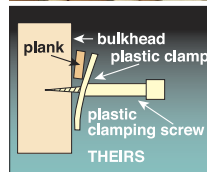
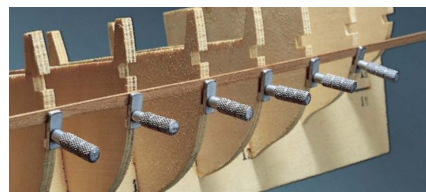


#60529 Loom-A-Line rigging jig helps make perfectly spaced lines with equal line tension and neatly tied knots. Off-the-model assembly lessens the chance of damage to pre-installed parts. Made of high impact plastic with 30 brass studs. 10" x 8". Instructions included. **\$19.95**

The Best Way to Clamp Ship Model Planks

These all-metal planking clamps hold ship model planks tight against the bulkhead until glue dries. The unique stepped clamp design holds the plank against its full surface so you'll get neater, tighter fitting joints, and the knurled metal finger grip makes turning a lot easier. The micro-size wood screw is cast into the finger grip and will hold in bulkheads as thin as 1/8". 1-1/4" long x 1/4" dia. Set of ten.

#60926 Planking Clamp Set
\$24.95
2 or more sets **\$19.50/set**



The Best Vise for Ship Modeling



From hull construction to rigging, this special vise's cast aluminum base with ball swivel positions your model at the best angle for easy access to all components. Holds plank-on-frame and solid-hull models by the keel; holds plank-on-frame models by the bulkheads for "upside-down" planking. Two molded nylon vises hold keels or bulkheads up to 1/2" thick and are adjustable along the 15" aluminum bar to accommodate almost any size model. Can be mounted to workbench with wood screws (not included) or with C clamps (included).

#60530 Ship Modeler's Vise
\$87.95

The easiest way to form planks yet! Simply arrange one row of the adjustable formers to the desired shape and soak planks in hot water. When pliable, place the planks against the first row of formers and slide the second row against the planks to hold them tightly in place. When dry, planks will be permanently formed. Forms up to 5 planks at a time. Made of water resistant acrylic with 10 nylon formers and cap nuts, zinc plated screws and no-slip silicone rubber feet. Approx. 5" x 5" with 1" high nylon formers.

#60663 Plank Forming Jig. List \$30.00 **\$24.95**

Plank Forming Jig



Ship Modeler's Tight Spot Rigging Scissor



Special scissor has cutting edges that pass between ratlines, backstays and other standing rigging for easy trimming of interior lines that other scissors can't reach. Serrated teeth grip thread for no-slip cutting. 8" overall length (narrow part of "neck" reaches 4-1/2"). Made of surgical stainless steel.

#84737 Tight Spot Scissor **\$23.95**

Ratliner Shroud Building Tool by Model Shipways



Nothing works as well as this Ratliner to produce accurately scaled ratlines in the shortest possible time. Made of laser-cut MDF. Instructions included. Choose from three sizes available. **\$25.95 each**

#88061 Ratliner, 1:35 to 1:48 Scale

#88060 Ratliner, 1:64 Scale

#88059 Ratliner, 1:76 to 1:90 Scale



#88062 Blockbuster High Speed Block Shaper
As the sandpaper-lined cylinder spins, the blocks tumble around and rub against it, taking on their smooth, rounded shape. Process dozens at a time. Blockbuster is easy to assemble and requires an electric drill for operation. **\$9.95**



#87863 7-1/4" Angled Rigging Scissor This beautifully made, long-reach scissor features super-sharp tungsten carbide cutting edges and surgical quality, high carbon 420 stainless steel handles. 1" long, 45° angled tips allow superior access and the gold electro-polished ring eyes are the most comfortable shape and size you'll find anywhere...providing exceptional grip and control. **\$44.45**

#87860 4-piece Rigging Fingers Tool Set

Originally designed for use by surgeons, our single, double, triple and quad-fingered tools are perfect for the delicate and demanding art of model ship rigging. Overall length: 6.25" to 7.25". Two and three-fingered tools feature spring shanks for added flexibility.

List \$105.95 ... Our Price **\$39.95**



High-Quality Model Kits from Dumas

Dumas' line of high quality boat kits feature laser-cut and die-cut wood parts accentuated by exquisite cast and turned details, ready for the application of fine finishes on select woods. Detailed instructions assure satisfaction for any model builder from intermediate to expert. *See our website for full descriptions and for photos of models not shown here.*

Rusty the Shrimp Boat – Another Fine Dumas Model

Hull: balsa planking over laser-cut poplar plywood frames. Die-cut expanded pvc cabin and pilot house. Material for scaffolding, nets, outriggers. Length: 36"; Beam: 9"; Scale 1/24. Dumas Kit #1271.

#86493 Rusty the Shrimp Boat

List \$295.00

Our Price **\$239.95**

#86575 Rusting

Hardware Kit

List \$75.00 ... Our Price **\$69.95**



#85672



#86494



#85673



#86257



#87826 1956 Chris-Craft 21' Capri
Wood model kit, 1/24 scale.
List \$86.00 ... Our Price **\$79.95**



#88427 1938 24' Chris-Craft® Triple Cockpit Barrel Back R/C 1/8 Scale Wood Model Kit Set
Complete set turns this beautiful kit into a R/C runner! Includes model, running hardware, motor, batteries, controller and more!

List \$795.85 ... **Super Buy \$599.95**

#85671 Model Kit Only \$349.95

#86687 19' Chris-Craft Racer
Wood model kit, 1/24 scale
List \$70.00 ... Our Price **\$59.95**



#86686 Skipjack Sailboat
Wood model kit
List \$80.00 ... Our Price **\$74.95**



#85672 1949 Chris-Craft Racing Runabout Wooden Boat, 1/8 Scale

Double-planked mahogany veneer over PVC hull • Chrome-plated deck fittings • Full-color decals • Flag and burgee • Running hardware included • Length: 28"; Beam: 9" • Dumas Kit #1249. List \$265.00 ... Our Price **\$209.95**

#86494 Carol Moran Tug Boat Kit, 1/25 Scale Laser-cut plank-on-frame construction • Urethane castings and vacuum-formed components • Turned brass and cast metal parts • Length: 50"; Beam: 13.5" • Dumas Kit #1272. List \$550.00 ... Our Price **\$449.95**

#86576 Running Hardware Kit for #86494 Carol Moran Includes prop shaft, stuffing box, 4-blade bronze propeller, gears and more. List \$160.00 ... Our Price **\$149.95**

#85673 1954 Chris-Craft Commander Express Cruiser Wooden Boat, 1/12 Scale All-wood kit • Laser-cut mahogany cabin detail and trim • Vacuum-formed seats • Deck fittings • Length: 36"; Beam: 10.75" • Dumas Kit #1244. List \$395.00 ... Our Price **\$319.95**

#86257 City of Buffalo Lake Ferry Boat Kit, 1/48 Scale Laser-cut plank-on-frame construction • Length: 33"; Beam: 8" • Dumas Kit #1270. List \$300.00 ... Our Price **\$259.95**

#86329 Running Hardware Kit for #86257 City of Buffalo Includes shaft, stuffing box, coupling, coupling rod, brass propeller and more. List \$65.00 ... Our Price **\$59.95**

#85676 Brooklyn Tug Boat, 1/32 Scale Vacuum-formed plastic hull • Die-cut superstructure parts • Laser-cut details • Castings • Brass railings • Length: 39.5"; Beam: 9.5" • Dumas Kit #1238. List \$435.00 ... Our Price **\$389.95***

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ADDITIONAL
FREIGHT
ANYWHERE IN
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**All Models Feature
Fully Detailed Frames!**



Founded in 1928, the Scientific Model Airplane Co. was an innovator in the hobby industry. That tradition continues through today with Micro-Mark. These fine wood-framed, rubber band-powered model aircraft by Dumas are a call-back to our roots. Traditional materials and building techniques make these classic fliers rewarding and enjoyable projects.

#87382 Dumas WWI Avro 504 Flying Model Kit
List \$44.95 ... Our Price **\$39.95**

#87383 Dumas Sopwith Triplane Flying Model Kit
List \$44.95 ... Our Price **\$39.95**

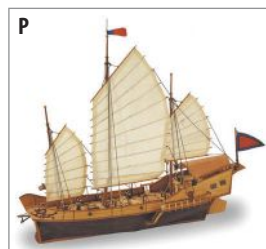
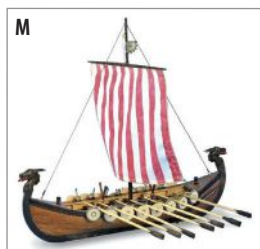
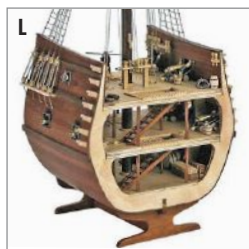
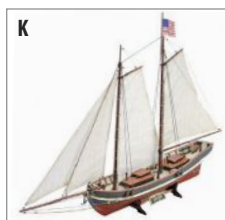
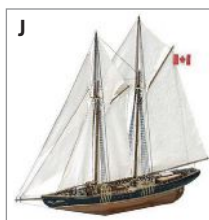
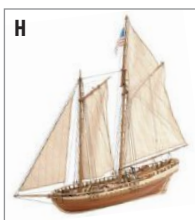
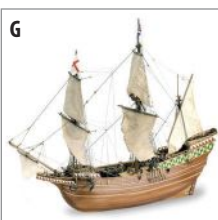
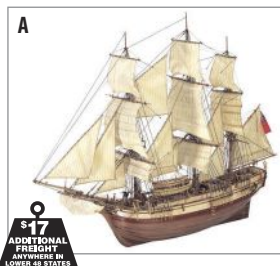
#87384 Dumas Neiuport 27 Flying Model Kit
List \$46.95 ... Our Price **\$44.95**

#87385 Dumas Pfalz D3 Flying Model Kit
List \$42.95 ... Our Price **\$39.95**

#87386 Dumas Sopwith Snipe Flying Model Kit
List \$52.95 ... Our Price **\$49.95**

Museum-Quality Model Ship Kits by Artesania Latina See full descriptions at www.micromark.com

Artesania Latina ship kits are respected by hobbyists worldwide as among the most-detailed and historically-accurate scale models. Created from plans of the real ships, A-L kits employ woods like mahogany, beech and walnut for the structural parts, and include laser-cut ornamentation, cast and/or machined fittings, rigging lines, detailed plans and instructions...everything you need (except for tools, glue and paint) to assemble your own large-size, exact-scale historic ship models.



A. #85650 HMS Bounty, 1/48 Scale Plank-on-frame construction. Includes an extensive set of fittings, cannons, photo-etched details, pre-sewn sails, ship's cargo and a ship's stove. Recommended for advanced level modelers. Length: 38.6", height: 30.0", beam: 14.0". Artesania Latina kit #22860. **\$349.95***

B. #85649 USS Constellation, 1/85 Scale Double plank-on-bulkhead construction. Includes carronades, bronzed metal cannons, and pre-sewn sails. Recommended for advanced level modelers. Length: 40.7", height: 34.6", beam: 17.7". Artesania Latina kit #22850. **\$289.95***

C. #87902 San Juan De Nepomuceno, 1/90 Scale Plank-on-frame construction. Includes fine woods, pre-sewn sails, brass components and die-cast parts. Recommended for advanced level modelers. Length: 37.75", height: 29.5", beam: 15.75". Artesania Latina kit #22900. **\$349.95***

D. #86246 Cutty Sark, 1/84 Scale (Compatible with HO) Plank-on-bulkhead construction. Includes hardwood fittings, brass and die-cast metal parts, pre-sewn sails, cloth flag and pennants. Recommended for advanced level modelers. Length: 40.6", height: 24.5", beam: 14.0". Artesania Latina kit #22800. **\$379.95***

E. #85644 HMS Bounty's Jolly Boat, 1/25 Scale Plank-on-frame construction. Includes pre-sewn sails. A great kit for beginners. Length: 16.3", height: 14.3", beam: 3.9". Artesania Latina kit #19004. **\$59.95**

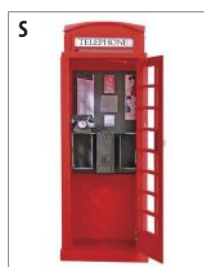
F. #86247 San Francisco II, 1/90 Scale Plank-on-bulkhead construction. Brass fittings include blocks, eyebolts, pinracks and more. Includes pre-sewn cloth sails and cloth flag. Recommended for advanced level modelers. Length: 27.2", height: 22.4", beam: 4.3". Artesania Latina kit #22452. **\$139.95**

G. #85646 Mayflower, 1/64 Scale Double plank-on-frame construction. Includes brass fittings and pre-sewn sails. Recommended for intermediate modelers. Length: 23.8", height: 19.7", beam: 5.3". Artesania Latina kit #22451. **\$124.95**

H. #86059 American Schooner Virginia, 1/41 Scale Double plank-on-bulkhead construction. Includes brass fittings, flag and pre-sewn sails. Recommended for intermediate modelers. Length: 21.25", Height: 19.69", Beam: 4.72". Artesania Latina kit #22135. **\$84.95**

J. #86169 Bluenose II Canadian Fishing Schooner, 1/75 Scale Plank-on-frame construction. Includes brass nails and cast-metal deck fittings. Recommended for advanced level modelers. Length: 27.2", height: 22.4", beam: 4.3". Artesania Latina kit #22453. **\$139.95**

K. #85645 Swift, 1/50 Scale Double plank-on-frame construction. Includes brass fittings and pre-sewn sails. A great kit for beginning modelers. Length: 21.3", height: 18.1", beam: 4.3". Artesania Latina kit #22110-N. **\$79.95**



L. #88354 Artesania Latina San Francisco II Galleon Cross-Section Model kit features fine woods, brass and cast iron parts. 1/50 scale. List \$99.99 ... Our Price **\$87.95**

M. #86508 10th Century Viking Longboat, 1/75 Scale Plank-on-bulkhead construction. Includes die-cast metal and wood fittings, pre-sewn sail, display base and instructional DVD. A great kit for beginners. Length: 11.5", height: 10.8", beam: 14.2". Artesania Latina kit #19001-N. **\$69.95**

N. #86167 Marina II Fishing Boat, 1/50 Scale Plank-on-frame construction. Includes brass nails; turned brass, wood, and cast metal parts and deck fittings; display base. Recommended for intermediate level modelers. Length: 24.0", height: 17.7", beam: 6.2". Artesania Latina kit #20506. **\$139.95**

P. #88862 Red Dragon Chinese Junk, 1/60 Scale False keel and frame construction. Includes laser-cut board parts, hardwood pieces, brass, die-cast parts and fabric sails. Length: 18.89", height: 17.32", beam: 5.11". Artesania Latina kit #20210. **\$124.95**

Q. #88071 Le Renard, 1/50 Scale Plank-on-bulkhead construction. Includes laser-cut board parts, hardwood pieces, cast metal parts, rigging line and fabric sails. Length: 24.21", height: 22.04", beam: 9.37". Artesania Latina kit #22401. List \$159.99 ... Our Price **\$130.95**

R. #88863 Atlantic Tugboat, 1/50 Scale High-quality ABS hull, great for R/C conversion. Includes laser-cut wood and cast metal parts, plus photo-etched detail pieces and display base. Length: 41.73", height: 23.62", beam: 9.84". Artesania Latina kit #20210. **\$319.95**

S. #88864 London Telephone Box, 1/10 Scale Ideal for beginners, this wood model is easy to assemble and builds into a spectacular finished display piece. Includes laser-cut wood parts, cast metal components and additional accessories. Door of completed model is functional. 3.85" x 3.85"; 10.43" high. Artesania Latina kit #20320. **\$49.95**

*Use our website shopping cart to calculate freight charge for shipment outside 48 contiguous U.S., or call our order line for assistance.

Model Shipways produces some of the finest wood model kits available today, right here in the USA. Each historically accurate American ship and boat has been painstakingly researched and designed from original and/or restoration plans of the actual vessels. But the attention to detail does not stop there. Every kit includes one of the best instruction manuals you will ever see, overflowing with historical information, photo documentation and exceptionally well-written and carefully thought-out step-by-step instructions for building and finishing each extraordinary model. Combined with features including single planked hulls, true-scale fittings, accurately sized and colored rigging, and perhaps the most comprehensive parts replacement policy anywhere, Model Shipways wood model kits are among the best you'll ever build. Recommended for experienced builders.



#89131

Niagara Battle Lake Erie

Laser cut basswood parts facilitate plank-on-bulkhead construction. Includes true-to-scale Britannia metal, brass and hardwood fittings assure scale accuracy. 1/64 scale. 43" long; 27" high. **\$319.95**



#89128

Bluenose Canadian Fishing Schooner

Plank-on-bulkhead construction. Fittings are true to the originals, and include wooden blocks and deadeyes, brass ring and eyebolts, plus Britannia metal parts. 1/64 scale. 32" long; 26-1/2" high. **\$169.95**



#89130

Mayflower "Pilgrim's Pride," 1620

Pank-on-bulkhead construction. Features ready-to-use hardwood blocks and deadeyes, precision cast Britannia metal and brass detail parts and five diameters of rigging line. 1/76 scale. 22" long; 17" high. **\$169.95**



#88051

Pride of Baltimore II

Wood model kit with Britannia metal castings, brass parts, rigging line, and more. 1/64 scale. 32" long; 22-1/2" high. **\$169.99**



#88045

Flying Fish

Wood model kit with true-to-scale wood, brass and Britannia metal fittings, rigging line, and more. 1/96 scale. 36" long; 22-1/2" high. **\$299.99**



#88571 Benjamin Latham "Fisherman"

Authentic plank-on-bulkhead seine boat construction. Features basswood planking and parts, over 100 wooden blocks and deadeyes, rigging line, plus one of the most comprehensive sets of Britannia metal fittings ever compiled. 1/48 scale. 33" long; 27" high. **\$229.95**



#88572 Emma C. Berry Lobster Smack

True plank-on-frame construction with the same number of true-to scale frames as the original. Beech and basswood planking, walnut blocks and deadeyes, Britannia metal fittings and anchor shank, rigging line and more. 1/32 scale. 26-3/8" long; 28-1/2" high. **\$139.95**



#88044 18th Century Longboat

Wood model kit with brass and cast metal parts, plus pre-printed decorative work. Plank-on-frame construction. 1/48 scale. 11.75" long; 10" high. **\$49.99**

#88887 Longboat Set includes everything you need to complete this outstanding model in 1 box. **\$69.99**



#88050 USS Constitution, 1797

Wood model kit with true-to-scale Britannia metal, brass and hardwood fittings, 16 photo-etched brass sheets, and more. Plank-on-bulkhead construction. The best Constitution kit available. 1/76 scale. 48" long; 32" high; 16" wide. **\$419.99**



#88048

Charles Morgan

Wood model kit with copper sheathing, metal fittings, rigging line, and more. Plank-on-bulkhead construction. 1/64 scale. 30-3/4" long; 25" high. **\$269.99**



#829084 Historic Ships Paint

Assortment High-quality acrylics for airbrush or brush-on application. 10 colors, plus 2 bottles of primer. 1 oz each. **\$47.95**

#88693 Copper Modeler's Chain, HO (1/87)

Scale Two one-foot lengths of genuine copper chain at 42 links per inch. **\$15.95**



SPECIAL OFFER! Build the Charles Morgan and the New Bedford Whaleboat for one low price!

#88047 New Bedford Whaleboat, 1850 - 1870

Wood model kit with authentic whaling gear, photo-etched copper fittings, and more. Plank-on-frame construction. 1/16 scale. 24" long. **\$129.99**

#88049 Charles Morgan and Whaleboat Model Kit Set - **SAVE \$40 \$389.98**



#88053 USN Picket, Boat #1

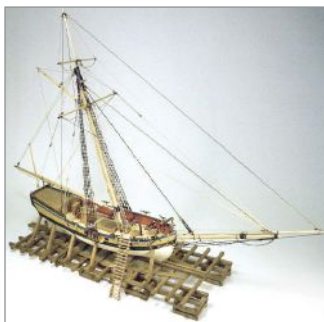
You'll build this wood model much the same way as the prototype was built almost 150 years ago... except laser-cut basswood parts and ready-made fittings make assembly much easier. 1/24 scale. **\$149.99**

More Wood Ship Model Kits from Model Shipways, Mamoli and OcCre – See our website for full descriptions and additional photos



#89126 Model Shipways Gunboat Philadelphia American Fleet, 1776

Wood and metal model kit, 1/24 scale.
List \$219.99 ... Our Price **\$166.95**



#89129 Model Shipways American Privateer Armed Virginia Sloop, 1768

Double plank-on-bulkhead construction, wood and metal model kit, 1/48 scale. List \$269.99 ... Our Price **\$199.95**

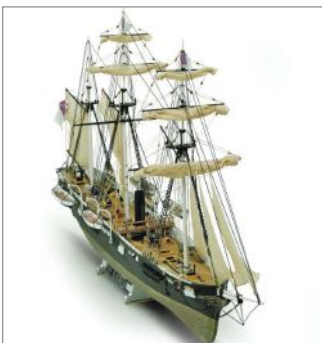


#88226 Model Shipways USF Confederacy, 1778

Plank-on-bulkhead wood and metal model kit, 1/64 scale. List \$799.99 ... Our Price **\$570.99**



#88046 Rattlesnake U.S. Privateer
Wood model kit with Britannia castings, brass fittings, rigging line, and more. 1/64 scale.
28" long;
18" high.
List \$229.99
Our Price **\$169.95**



#89133 Mamoli CSS Alabama

Plank-on-bulkhead wood model kit, 1/120 scale.
List \$339.99 ... Our Price **\$269.99**



#89136 Mamoli Lexington

Plank-on-frame wood model kit, 1/100 scale.
List \$212.49 ... Our Price **\$169.95**



#89135 Mamoli HMS Bounty

Plank-on-bulkhead wood model kit, 1/100 scale.
List \$212.49 ... Our Price **\$169.95**



#89134 Mamoli "Black Prince" Privateer Corsair

Wood model kit, 1/57 scale.
List \$174.99 ... Our Price **\$139.95**



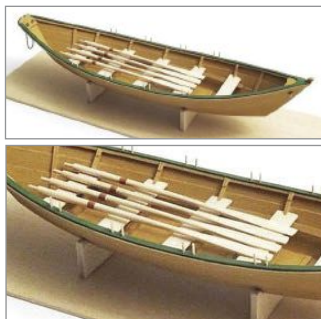
#87747 OcCre Santisima Trinidad Ship Cross-Section
Wood model kit with cloth sails, 1/90 scale. 34.49" high.
\$224.95



#87745

OcCre Buccaneer Caribbean Ship

Wood model kit with cloth sails, 1/100 scale. 22.2" long.
\$144.95



#88952 Model Shipways Lowell Grand Banks Dory with Glue, Tools and Paint

Plank-on-frame wood model kit, 1/24 scale.
List \$49.95 ... Our Price **\$42.95**



#89124 Model Shipways

18th Century Armed Longboat

Plank-on-frame wood and metal model kit, 1/24 scale.
List \$89.99 ... Our Price **\$69.95**



#87746

OcCre Albatross

Great for beginners! Wood model kit with cloth sails, 1/100 scale. 22.44" long. **\$144.95**



#85812 Dumas George W. Washburn Tug Boat

Wood model kit, 1/48 scale. 30" long.
List \$235.00 ... Our Price **\$189.95**



#89127 Model Shipways HMS Bounty Launch

Plank-on-frame wood and metal model kit, 1/24 scale.
List \$119.99 ... Our Price **\$89.95**

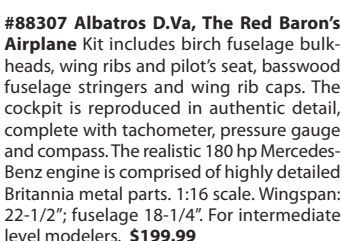
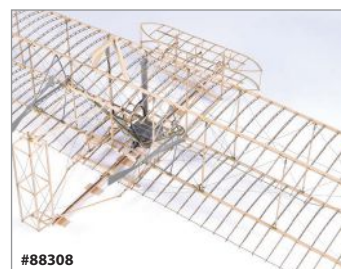
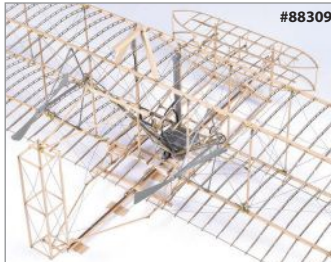
Unique Tools for Micro Makers



#87733 Micro Shapers, Set A Set of 3 plates with 15 or 16 different shapes per plate. Suitable for use on 1x3, 1x4, 1x5, 2x2, 2x4, 2x5 and 4x4 mm strips of wood.
List \$16.95 ... Our Price **\$14.95**

#87734 Micro Shapers, Set B Set of 3 plates with 12, 15, or 16 different shapes per plate. For use on 1.5x3, 1.5x4, 1.5x5, 2x3, 3x3, 3x5 and 5x5 mm strips of wood.
List \$16.95 ... Our Price **\$14.95**

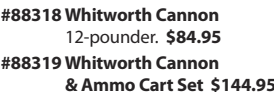
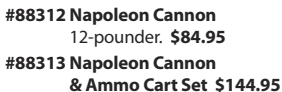
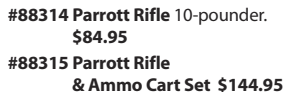
Model Airways Kits Museum-quality kits include laser-cut wood, fine cast Britannia metal parts and are historically accurate with exceptional detail and step-by-step plans. The planes are open airframe to show the structural detail. Made in America. See more details of each model on our website.



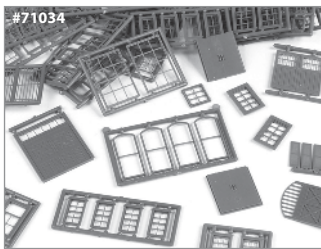
Model Trailways Kits Beautifully rendered and historically accurate early period kits with wood and metal components. 1:12 scale. See our website for complete details.



Guns of History Kits 1:16 scale metal replicas with precision cast metal cannons, realistic wheels and other life-like details. 5 to 10 hours to build. More details on our website.



Architectural Parts Assortments by Tichy Train Group



A wide variety of exceptionally detailed parts for constructing model buildings. Includes detailed illustrations to help you select the right parts for your project.

#86934 164-piece N Architectural Parts Assortment includes multiple pieces of 21 different windows, 12 different doors, 6 different architectural parts, plus pre-cut window glazing. List \$38.00 ... **\$31.95**

#86935 80-piece N Scale Door & Window Assortment includes one sprue of every door and window style Tichy makes. Our Price **\$16.95**

#71034 200-piece HO Architectural Parts Assortment includes multiple pieces of 10 different doors, 43 different windows and 36 different architectural parts. List \$40.00 ... Our Price **\$33.95**

#71034G Glazing Pack for #71034 Includes pre-cut clear plastic glazing for all windows and doors included in the parts assortment above. List \$10.00 ... **\$8.95**

#71035 130-piece HO Architectural Parts Assortment includes multiple pieces of 11 different doors, 21 different windows and 10 different architectural parts. List \$28.00 ... Our Price **\$24.95**

#71035G Glazing Pack for #71035 Includes pre-cut clear plastic glazing for all windows and doors included in the parts assortment above. **\$7.95**

#85216 200-piece Parts Assortment for O Scale includes a variety of injection molded styrene doors, windows, lamp shades, star washers, nuts, bolts, ring washers, pallets and 55 gallon drums. List \$70.00 ... Our Price **\$59.95**

#84106 60-piece Parts Assortment for O Scale includes same parts selection as above, with less pieces. **\$24.95**

HO Scale 3D Roof Shingles



Three-dimensional laser-cut shingles, pre-weathered and factory-assembled into a 3" x 7-1/2" sheet. Attach to your roof sheathing with glue and trim to size. Includes 2 sheets. Choose from 2 styles below. **\$19.95/pkg.**

#85848 Gray Random

#85849 Charcoal

Gatorfoam – The Multi-Purpose Building Material Preferred by Professional Modelers

Professional model builders prefer Gatorfoam to wood for fabricating structures, streets or sidewalks, retaining walls, tunnel portals, bas-relief buildings and backdrop effects, and more. Gatorfoam has a 1/32" thick wood-fiber veneer called Luxcell that is laminated with waterproof adhesive to both sides of a polystyrene foam core. The resulting 3/16" thick panel is strong, light-weight and warp-resistant. Gatorfoam cuts easily with a modeler's knife or with miniature power saws. Its smooth finish is compatible with all types of paints and adhesives, and self-stick textured building papers adhere perfectly. Gatorfoam holds up against the elements and won't delaminate with exposure to rain, so it can be used in exterior structures for garden railways and in dollhouse construction. Available from Micro-Mark in convenient size panels. **SOLD IN PACKS OF 3 ONLY.**

#83263X3 Gatorfoam 12" x 18" x 3/16" thick panel; brown veneer/white core **\$20.95/pkg.** 4 to 10 **\$19.45/pkg.** 10+ **\$18.20/pkg.**

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#88168
Tab Style

#88169
Shake Style

#88170
Fish Scale

Innovative Photo-Realistic Building Papers Look and Feel Like the Real Thing



Micro-Mark again leads the way with innovative building papers that reproduce not only the look, but also the texture of brick, cinder block, stone and roof shingles on a scale model. Our building papers are exact scale photographs of real surfaces that have been printed by a special process that raises the surface of each individual stone above the "mortar" lines. No building paper or plastic sheet produced to date offers such realism! And for quick, easy application, we've applied a peel-and-stick adhesive to the back of the sheet. Accepts weathering powders and airbrushed colors for aging-effects.

\$9.95 per package of four 6" high x 9" wide sheets



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RANDOM STONE*



COBBLESTONE*



CINDER BLOCK



ROOF SHINGLES*

#84730 HO Scale
#84731 O Scale

#84732 HO Scale
#84733 O Scale

#83135 HO Scale
#83136 O Scale

#83405 HO Scale
#83406 O Scale

#83105 HO Scale
#83106 O Scale

#83218 HO Scale
#83219 O Scale

*Overall rough surface. Individual stones are not raised above mortar lines and shingles are not raised above gaps.

These exceptionally detailed, flexible textured sheets from Chooch Enterprises include peel & stick backing. To use, simply cut to desired size with a scissor.



Cobblestone Street

4" x 12.5" **\$12.95/pkg.**

#86424 Small Stones (N & HO)

#86425 Medium Stones (HO)

#86426 Large Stones (HO & O)



Cobblestone Street Details

\$12.95/pkg.

#87220 Small (N & HO) 3.75" x 11.75"

#87221 Medium (HO) 3.75" x 11.75"

#87222 Large (HO & O) 4" x 11.75"



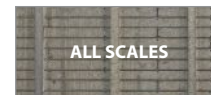
Stone Block Wall

3.25" x 13" **\$12.95 ea.**

#86421 Small Blocks (N & HO)

#86422 Medium Blocks (HO)

#86423 Large Blocks (HO & O)



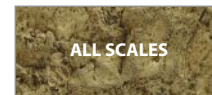
Timber Retaining Wall

3.75" x 12" **\$12.95/pkg.**

#87398 .075" Board Width

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Blasted Rock Wall

\$12.95/pkg.

#87888 Rock, 3.6" x 11.5"

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#87890 Sandstone, 3.75" x 17.5"



Concrete Sidewalks and Sidewalk Details

3.75" x 12" **\$12.95 ea.**

#89161 Concrete Sidewalks & Details, N Scale

#89162 Concrete Sidewalks, HO Scale

#89163 Concrete Sidewalks, Large, O Scale

#89164 Flexible Sidewalk Details, HO Scale

#89165 Flexible Sidewalk Details, O Scale



All-Scale Coal Load

4" x 13" **\$18.95/pkg.**

#86411 Small Granules

#86412 Medium Granules

#86413 Large Granules



Random Stone Wall

\$11.95 ea.

#85227 N & HO scale, 3.50" x 13"

#85228 HO & O scale, 3.25" x 14"

#85229 HO / O / G scale, 3.50" x 13"



Cut Stone Wall

\$12.95 ea.

#85230 N & HO scale, 3.40" x 13"

#85231 HO & O scale, 3.40" x 13.25"

#85232 HO/O/G scale, 3.50" x 13.75"



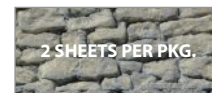
Shake Roofing

3.75" x 12" **\$12.95/pkg.**

#87395 Small (N & HO)

#87396 Medium (HO)

#87397 Large (HO & O)



Sea Wall

\$12.95/pkg.

#87202 Medium (HO) 1.25" x 11.75"

#87203 Large (HO & O) 1.75" x 11.5"

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#89302 HO Standard Trackage Set
This set of kits brings together 5 essential Pennsylvania Railroad structures for one great package price. Includes #89091 Standard Pennsylvania Railroad Trackage Frame Shop, #89069 Standard Pennsylvania Railroad Brick Workshop, #88999 Standard Pennsylvania Railroad Freight Station, #89270 Standard Pennsylvania Railroad Oil House, #88699 Pennsylvania Railroad Branch Line Trackage Shelter.
Value \$204.75
Our Price **\$189.95**

#88699 Pennsylvania Railroad Branch Line Trackage Shelter Kit, HO Scale This kit includes detailed exterior framing that matches original drawings issued by the PRR. **\$29.95**



HO and O Scale Picnic Tables

This laser cut basswood picnic table kit would be a nice touch to accent any park or neighborhood scene on your layout or diorama. Designed from life-size instructions. Easy to build in minutes.

#89148 HO Picnic Tables Set of 18 \$14.95

#89149 O Picnic Tables Set of 9 \$14.95



HO and O Scale Mailboxes and Posts

With laser cut posts and resin 3D printed boxes, these mailboxes will spruce up the neighborhood theme on your layout or diorama.

#89271 HO Mailboxes Set of 14 \$12.95

#89272 O Mailboxes Set of 7 \$12.95



#88999 Standard Pennsylvania Railroad Freight Station

HO scale replica of Pennsylvania Railroad's Spring City Freight Station on the Schuylkill River, located in the modern-day suburbs of Philadelphia. This basswood laser cut freight house with a 7.5" x 4" footprint is a common style that will represent many roads on your layout or diorama. Parts to assemble pallets included as a bonus. **\$59.95**



#89069 Standard Pennsylvania Railroad Brick Workshop

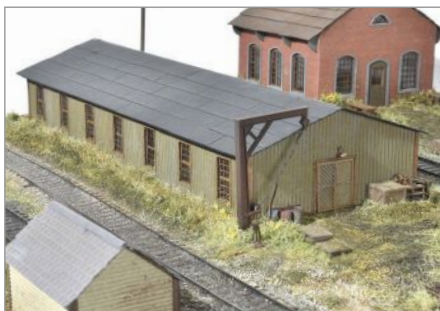
HO scale laser cut basswood Brick Workshop with our Micro-Mark brick texture wrap to portray a mason-laid structure. A key building in any functioning rail yard. With a corrugated metal roof, and 4-1/2" x 4-1/2" footprint, this building will stand out among others with realistic accuracy. **\$39.95**



#89270

Standard Pennsylvania Railroad Oil House

HO scale laser cut basswood Oil House with our Micro-Mark brick texture wrap to portray a mason-laid structure. With a 2" x 1-1/4" footprint and plaster chimney, this small but important building will add interest to a bustling yard. Includes bonus 3D printed oil barrels. **\$24.95**



#89091 Standard Pennsylvania Railroad Trackage Frame Shop

HO scale laser cut basswood kit with a 4-1/4" x 11" footprint of a Standard Frame Shop. These standard wooden framed shops serviced many trackage yards across the United States. Designed from Pennsylvania Railroad blueprints to assure accuracy. **\$49.95**

Model Structure Builder's Super Value Package

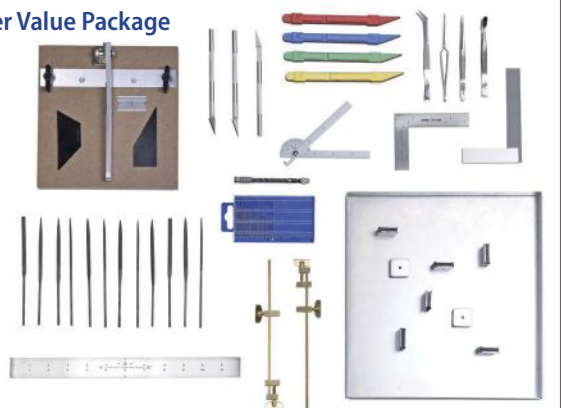
Build model structures like a pro with this all-in-1 set.

Package includes:

- #60304 Magnetic Gluing Jig • #84046 Chop-It
- #83261 Thin-Beam Square • #60299 Angle Setter/Protractor • #14421 2-Sided Center Finder Ruler, 12"
- #60699 4-Piece Stainless Steel Mini Tweezer Set
- #82147 Mini Square, 3" x 4" • #33108 12-Piece Swiss Pattern Needle File Set • #60103 Solid Brass Mini Bar Clamps, 7" Long (Set of 2) • #60348 Micro Hand Drill
- #60362 20-Piece Drill Bit Set with Plastic Index, #61 — #80 • #14351X2 No. 2 Knife Set with 2 No. 2 Blades • #14345 7-Piece #11 Micro Saw Set • #81471 4-Piece Micro Sanding Wand Set.

#88643 Model Structure Builder's Super Value Package

Value \$229.30 ... **Super Buy \$199.95**



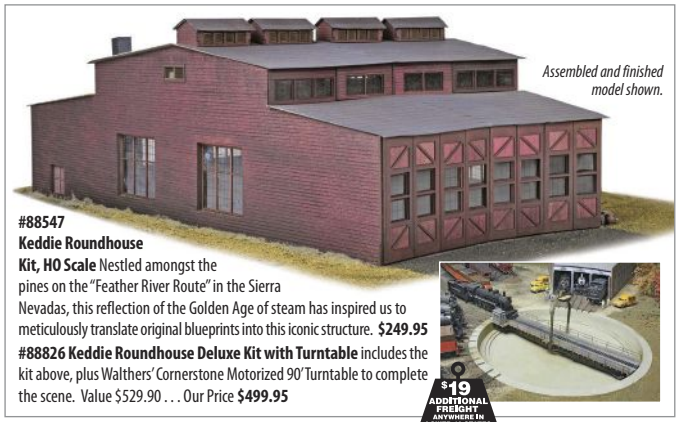
See More Great Scientific Model Kits and Scenic Accessories at www.micromark.com



#88699 Pennsylvania Railroad Branch Line Tracksider Shelter Kit, HO Scale These shelters were scattered all along PRR branch lines from Ohio to New Jersey. This kit includes detailed exterior framing that matches original drawings issued by the PRR. It is a must-have for any PRR themed layout. Footprint: 2.25" x 1.7". **\$29.95**



#88523 Wooden Railroad Trestle Bridge Kit, HO Scale If you need to cross a valley or just cart some coal out of your mine on your HO scale model layout, this laser cut 16.5" basswood wooden trestle bridge will span your gap. Designed from authentic blueprints for realistic portrayal and cut specifically to build with ease. **\$39.95**



#88547 Keddies Roundhouse Kit, HO Scale Nestled amongst the pines on the "Feather River Route" in the Sierra Nevada, this reflection of the Golden Age of steam has inspired us to meticulously translate original blueprints into this iconic structure. **\$249.95**
#88826 Keddies Roundhouse Deluxe Kit with Turntable includes the kit above, plus Walther's "Cornerstone Motorized 90" Turntable to complete the scene. Value \$529.90... Our Price **\$499.95**



#88828 Rural Farm Structures, Deluxe Set of 4 Kits, HO Scale The farm on your layout is incomplete without this collection of rural farm buildings. This haybarn, toolshed, horse stable and outhouse are must-haves to create your realistic layout. These kits include clapboard siding, high-quality shingles from Northeast Scale Lumber, and the realism to take your layout to the next level. Value \$82.80... Our Price **\$74.95**

#88348 Rural Farm Structures, Set of 3 Kits, HO Scale includes the haybarn, toolshed and outhouse. Value \$57.85... Our Price **\$54.95**
Individual HO Scale Kits #88347 HO Haybarn \$24.95 #88346 HO Toolshed \$19.95 #88345 HO Outhouse \$12.95 #88485 HO Horse Stable \$29.95
O Scale Kits #89086 O Haybarn \$44.95 #89090 O Toolshed \$39.95 #89269 O Outhouse \$19.95 **#89301 Set of All 3 O Scale Kits \$99.95**
N Scale Kits #89699 N Haybarn \$24.95 #89698 N Toolshed \$19.95 #89697 Outhouse \$12.95 **#89700 Set of All 3 N Scale Kits \$54.95**



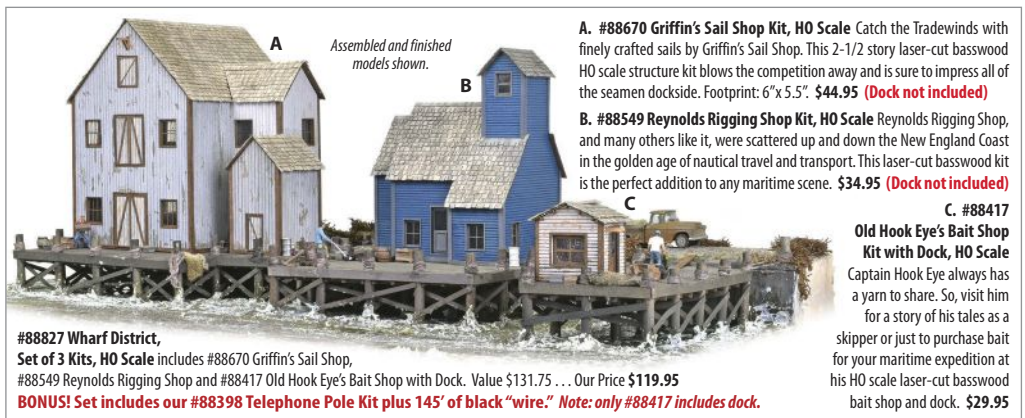
#88920 Corn Crib Kit, HO Scale This laser cut basswood and laserboard kit will accent any farm scene on your HO layout or diorama. 2.5" x 1" footprint. **\$29.95**



#88717 Heavy Metal Welding & Fabrication Shop, HO Scale This small yet important laser-cut basswood HO scale structure will accent your scrap yard or building site scene on your diorama or layout. 2" x 2" footprint. **\$29.95**



#88389 Wooden Pallet Kit, HO Scale This basswood laser cut kit contains materials to assemble 8 to 10+ wooden pallets, and a bonus of sixteen 2" x 4" x 8" pieces of lumber in HO scale. **\$14.95**



#88827 Wharf District, Set of 3 Kits, HO Scale includes #88670 Griffin's Sail Shop, #88549 Reynolds Rigging Shop and #88417 Old Hook Eye's Bait Shop with Dock. Value \$131.75... Our Price **\$119.95**
BONUS! Set includes our #88398 Telephone Pole Kit plus 145' of black "wire." Note: only #88417 includes dock. **\$119.95**



#88392 Concrete Jersey Barriers, HO Scale Cast in plaster to simulate the "real deal," each package contains 10 pieces which cover 100 scale feet. **\$14.95**



#88398 Telephone Pole Kit, HO Scale Samuel Morse invented the telephone pole after trying to put the wires underground, which did not work. So now we see them everywhere. If your layout is without these, an important aspect of realism is missing. Laser cut basswood telephone/power poles kit includes 12 poles, 24 cross arms and 2 transformers. **\$12.95**

#88829 HO Scale Telephone Pole Kit Bulk Pack includes 120 poles, 240 cross arms, 20 transformers and 145' of black "wire." Value \$129.50... Our Price **\$89.95**

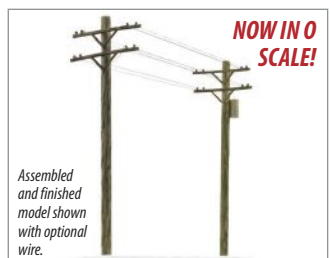
#89089 Telephone Pole Kit, O Scale includes 10 poles, 20 cross arms and 2 transformers. **\$19.95**

#89089K O Scale Telephone Pole Kit Bulk Pack includes 120 poles, 240 cross arms, 20 transformers and 145' of black "wire." Value \$213.45... Our Price **\$179.95**

#88419 Black "Wire" for Telephone Poles, 145' \$13.95

#88429 6' Picket Fence, HO Scale With over 100 feet in scale length, this simple basswood laser cut kit will add complexity to your suburban or rural scene. **\$12.95**

#88477 6' Picket Fence, O Scale \$14.95



Micro-Mark is your "HOME" for structure kits, scenic accessories and so much more!

NEW!



Experience the **O scale compatible** world of architecture with Arkit®. With vast model building capabilities, every kit component has multiple uses and each kit contains everything you need to design and build your own impressive model structures. There are no set instructions – just follow your imagination!

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Search "ARKIT" at micromark.com to see more kits!



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Random packages of 5 hand-painted zombie figures add frightful fun to dioramas, railroads and more!

#87785 HO Scale Zombie Figures, pack of 5. \$8.95

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Laser-Cut Styrene & Acrylic Kit
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Modern Strip Mall
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Laser-Cut Multimedia Kit
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#86740 HO Scale \$49.95



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Laser-Cut Multimedia Kit
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Fallen Barn Laser Art
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Laser-Cut Multimedia Kit
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Farm House Laser Art
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Woodland Scenics
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Double Decker Trailer
Woodland Scenics
Built & Ready Structure
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Laser-Cut Multimedia Kit
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Laser-Cut Multimedia Kit
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200' Double Track Truss Bridge
Central Valley
Plastic Model Kit
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150' Pratt Truss Bridge
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150' Through Truss Bridge, Gusseted Girders
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Interlocking Tower LaserKit Laser-Cut Wood Kit
#81586 HO Scale \$27.95
#81588 O Scale \$54.95



Country Grain Elevator LaserKit
Laser-Cut Wood Kit
#86558 HO Scale \$74.95



Two-Story Farmhouse LaserKit
Laser-Cut Wood Kit
#81679 HO Scale \$42.95



Pickle Packers & Condiments LaserKit
Laser-Cut Wood Kit
#86342 HO Scale \$119.95



G.R. Dill & Sons LaserKit
Laser-Cut Wood Kit
#86341 HO Scale \$109.95
#86137 O Scale \$149.95



Loading Dock Interior ITLA Scale Models
Laser-Cut Wood Kit
#88997 HO Scale \$14.95



Factory Backdrop ITLA Scale Models
Multimedia Model Kit
#86404 HO Scale \$129.95



Coopers Alley ITLA Scale Models
Multimedia Model Kit
#86810 HO Scale \$179.95



Grimsby Station ITLA Scale Models
Multimedia Model Kit
#86405 HO Scale \$164.95



Southside Hotel ITLA Scale Models
Multimedia Model Kit
#86809 HO Scale \$229.95



York Industries ITLA Scale Models
Full Flat Structure Kit
#88996 HO Scale \$129.95



Old Weathered Barn
Woodland Scenics
Built & Ready Structure
#88119 N Scale \$54.95
#88118 HO Scale \$79.95
#88117 O Scale \$149.95



Letters, Parcels & Post
Woodland Scenics
Built & Ready Structure
#87978 N Scale \$44.95
#87976 HO Scale \$79.95
#87977 O Scale \$99.95



Lubener's General Store
Woodland Scenics
Built & Ready Structure
#87230 N Scale \$62.95
#87231 HO Scale \$69.95
#87232 O Scale \$119.95



Harrison's Hardware
Woodland Scenics
Built & Ready Structure
#87233 N Scale \$49.95
#87234 HO Scale \$57.95



H&H Feed Mill
Woodland Scenics
Built & Ready Structure
#87345 N Scale \$84.95
#87346 HO Scale \$119.95
#87347 O Scale \$199.95



Emilio's Restaurant
Woodland Scenics
Built & Ready Structure
#87228 N Scale \$59.95
#86639 HO Scale \$79.95
#86640 O Scale \$134.95



Corner Emporium
Woodland Scenics
Built & Ready Structure
#87238 O Scale \$119.95



Buzz's Sawmill
Woodland Scenics
Built & Ready Structure
#86813 HO Scale \$64.95



J.W. Cobbler
Woodland Scenics
Built & Ready Structure
#87236 HO Scale \$64.95
#87237 O Scale \$119.95



Deuce's Bike Shop
Woodland Scenics
Built & Ready Structure
#86814 HO Scale \$99.95
#87227 O Scale \$139.95

NEW KIT CORNER – for details, visit micromark.com



Crosby Coal
Laser Art
Laser-Cut Multimedia Kit
#83939 HO Scale \$67.95
#89501 O Scale \$209.95



Piggyback Ramps
Walthers Cornerstone
Plastic Model Kit
#86245 HO Scale \$27.95



Modern Shopping Center II
Walthers Cornerstone
Plastic Model Kit
#89239 HO Scale \$29.95



Brick Post Office
Walthers Cornerstone
Plastic Model Kit
#88636 HO Scale \$37.95



Vintage Dairy Queen
Walthers Cornerstone
Plastic Model Kit
#86764 N Scale \$21.95
#86458 HO Scale \$24.95



Modern Suburban Station
Walthers Cornerstone
Plastic Model Kit
#89648 N Scale \$34.95



A To Z Used Cars
Blair Line LLC
Laser-Cut Wood Kit
#89573 N Scale \$34.95
#89574 HO Scale \$44.95



Drive-In Theater
Blair Line LLC
Laser-Cut Wood Kit
#89575 N Scale \$19.95
#89576 HO Scale \$24.95



Yard Cafe / Hiway Café
Blair Line LLC
Laser-Cut Wood Kit
#89577 N Scale \$32.95
#89578 HO Scale \$37.95



Shotgun House, 3-Pack
Blair Line LLC
Laser-Cut Wood Kit
#89579 Z Scale \$42.95
#89580 N Scale \$42.95



DQ Grill & Chill
Walthers Cornerstone
Plastic Model Kit
#86765 N Scale \$24.95
#86459 HO Scale \$27.95



2-Story Frame House
Walthers Cornerstone
Plastic Model Kit
#86460 HO Scale \$29.95



Two-Car Garage
Walthers Cornerstone
Plastic Model Kit
#87778 HO Scale \$14.95



Donut Shop
Walthers Cornerstone
Plastic Model Kit
#86053 HO Scale \$19.95



Hi-Way Inn
Walthers Cornerstone
Plastic Model Kit
#86337 HO Scale \$39.95



Modern Coaling Tower
Walthers Cornerstone
Plastic Model Kit
#86336 HO Scale \$54.95



"Pizza Land" Pizzeria
Blair Line LLC
Laser-Cut Wood Kit
#89581 N Scale \$26.95
#89582 HO Scale \$31.95
#89583 O Scale \$57.95



Clark Oil Gas Station
Blair Line LLC
Laser-Cut Wood Kit
#89654 N Scale \$31.95



Long Span Concrete Railroad Bridge
Walthers Cornerstone
Plastic Model Kit
#89647 HO Scale \$44.95



American Bungalow with Single Car Garage
Walthers Cornerstone
Plastic Model Kit
#89774 HO Scale \$39.95



Rocky Pt. Lighthouse
Walthers Cornerstone
Plastic Model Kit
#86518 HO Scale \$49.95



Truck Dump
Walthers Cornerstone
Plastic Model Kit
#86457 HO Scale \$24.95



UP Style Depot
Walthers Cornerstone
Plastic Model Kit
#86242 HO Scale \$39.95



2-Story House & Garage
Walthers Cornerstone
Plastic Model Kit
#87777 HO Scale \$29.95



American Bungalow
Walthers Cornerstone
Plastic Model Kit
#74346 HO Scale \$24.95



Merchants Row I
Walthers Cornerstone
Plastic Model Kit
#87225 N Scale \$29.95



Cape Cod House
Walthers Cornerstone
Plastic Model Kit
#89651 N Scale \$54.95



Brick Ranch House
Walthers Cornerstone
Plastic Model Kit
#89652 N Scale \$24.95



Kate's Colonial Home
Atlas®
Plastic Model Kit
#89653 N Scale \$29.95



Capital One Bank
Customcuts By Summit
Laser-Cut Multimedia Kit
#89562 HO Scale \$139.95



Diamond Coal Corp.
Walthers Cornerstone
Plastic Model Kit
#86821 HO Scale \$39.95



Row House
Walthers Cornerstone
Plastic Model Kit
#86182 HO Scale \$24.95



Pella Depot Kit
Walthers Cornerstone
Plastic Model Kit
#86338 HO Scale \$34.95



Trackside Post Office
Walthers Cornerstone
Plastic Model Kit
#87226 HO Scale \$39.95



Winner's Circle Petro
Walthers Cornerstone
Plastic Model Kit
#86339 HO Scale \$24.95



130' Brick Diesel House
Walthers Cornerstone
Plastic Model Kit
#86921 N Scale \$43.95



Vintage Ford Auto Dealership
Walthers Cornerstone
Plastic Model Kit
#89649 HO Scale \$34.95



American Hardware Supply
Walthers Cornerstone
Plastic Model Kit
#89650 N Scale \$54.95



150' Truss Bridge with Walkways & Railings
Central Valley
Plastic Model Kit
#89563 N Scale \$27.95



Standard Water Tank with Pump House
American Model Builders
Laser-Cut Wood Kit
#89706 N Scale \$27.95



High Voltage Transmission Towers
Walthers Cornerstone
Plastic Model Kit
#89210 HO Scale \$21.95



Modern High Voltage Transmission Towers
Walthers Cornerstone
Plastic Model Kit
#89211 HO Scale \$21.95



Ophir Depot
Banta Modelworks
Laser-Cut Wood Kit
#85794 HO Scale \$109.95



Gas Station Kit
Woodland Scenics
Cast-Metal Kit
#70111 HO Scale \$21.95



Rural Sawmill Kit
Woodland Scenics
Cast-Metal Kit
#70131 HO Scale \$10.95



Pharmacy
Woodland Scenics
Cast-Metal Kit
#70109 HO Scale \$19.95



Marilyn's Bar & Grille
Laser Art
Laser-Cut Multimedia Kit
#89495 HO Scale \$124.95



Majestic Theater
Laser Art
Laser-Cut Multimedia Kit
#89496 N Scale \$34.95
#89497 HO Scale \$99.95



Santa Fe #4 Station
Laser Art
Laser-Cut Multimedia Kit
#89498 N Scale \$49.95
#89499 HO Scale \$71.95



Starbucks® Coffee
Customcuts By Summit
Laser-Cut Multimedia Kit
#89645 HO Scale \$89.95



Country Store Expansion
Woodland Scenics
Plastic Model Kit
#85874 O Scale \$84.95



Deuce's Bike Shop
Woodland Scenics
Plastic Model Kit
#85875 O Scale \$74.95



Harrison's Hardware
Woodland Scenics
Plastic Model Kit
#85871 O Scale \$79.95



J.W. Cobbler
Woodland Scenics
Plastic Model Kit
#87872 O Scale \$79.45



Lubener's General Store
Woodland Scenics
Plastic Model Kit
#85869 O Scale \$78.95



Buzz's Sawmill
Woodland Scenics
Plastic Model Kit
#86370 HO Scale \$47.95



Humble Home
Woodland Scenics
Plastic Model Kit
#89541 HO Scale \$18.95



Victorian Cottage
Woodland Scenics
Plastic Model Kit
#89542 HO Scale \$23.95



Signal Bridge
Bachmann
Plastic Model Kit
#84060 HO Scale \$18.95
#84061 O/S Scale \$24.95



Watchman's Shanty
6-Pack
Tichy Train Group
Plastic Model Kit
#89476 HO Scale \$34.95



Windmill
Woodland Scenics
Built & Ready Structure
#87229 HO Scale \$18.95



Maple Leaf Cemetery
Woodland Scenics
Multimedia Model Kit
#89096 HO Scale \$49.95



The Bon Ton
Lunde Studios
Resin Model Kit
#88914 HO Scale \$69.95



Heron Ltd.
Lunde Studios
Resin Model Kit
#88915 HO Scale \$64.95



Falcon Tower
Lunde Studios
Resin Model Kit
#88916 HO Scale \$79.95



Woodland Station
Woodland Scenics
Plastic Model Kit
#89539 N Scale \$27.95
#89540 HO Scale \$42.95



The Boobie Hatch Strip Club
Downtown Deco
Hydrocal Model Kit
#89533 N Scale \$31.95
#89534 HO Scale \$47.95
#89535 O Scale \$74.95



Old Dominion Broom Co.
Bar Mills Models
Laser-Cut Multimedia Kit
#89529 N Scale \$59.95



Tower At Cranberry Yard
Bar Mills Models
Laser-Cut Multimedia Kit
#89532 HO Scale \$61.95



Jerry's Small Engine Rep.
Bar Mills Models
Laser-Cut Multimedia Kit
#89530 HO Scale \$44.95
#89531 O Scale \$74.95

Just Plug™ Lighting System

The Just Plug Lighting System by Woodland Scenics is a complete, quick and easy way to add realism and interest to new and existing layouts and other projects. No special tools or electrical knowledge is needed. Just plug and you're done! Individual bulb brightness can be controlled, and the modular design allows for easy expansion. See our website for additional details and images.

#86273 Lights & Hub Set Add lights to any project. Use the individual dimmer controls to regulate light brightness. **Includes*** 1 light hub and 2 warm white LED stick-on lights with 24" cables. W.S. #JP5700. **\$19.95**

#86274 Light Hub Use the Light Hub to add up to 4 lights to your project. **Includes*** 1 Light Hub and 4 Connecting Cables (48" each). W.S. #JP5701. **\$14.95**

#86275 Expansion Hub Use the Expansion Hub to connect up to 4 Light Hubs. **Includes*** 1 Expansion Hub. Light Hubs and Connecting Cables sold separately. W.S. #JP5702. **\$13.95**

#88123 Sequencing Light Hub Add up to four Just Plug lights that individually sequence on and off. Includes dimmer and speed controls. Turn sequencing off to use as a Light Hub. Add an optional Auxiliary Switch for convenient operation. **Includes*** 1 light hub. W.S. #JP5680. **\$19.95**

***Each item above INCLUDES** 1 CTRL port plug installed, 1 double-sided mounting tape (1" x 2-1/2"), 2 mounting screws and instructions.

Each item above REQUIRES 1 Just Plug Power Supply (#86283, below) to power up to 50 lights. To power the system from your layout, see #86281 Connecting Cables below.

#86281 Connecting Cables connect Expansion Hubs to Light Hubs, Expansion Hubs to Expansion Hubs and/or connect any Hub to train power pack or DCC system. **Includes** two 48" cables. W.S. #JP5760. **\$5.95**

#86282 Extension Cables extend the length of any Just Plug Cable. **Includes** two 48" cables. W.S. #JP5761. **\$5.95**

#86283 Power Supply The transformer powers up to 50 lights and connects to Light Hub or Expansion Hub. **Includes** 1 Power Supply with 48" cable and instructions. W.S. #JP5770. List \$19.99... Our Price **\$14.95**

#86278 Auxiliary Switch Rocker style on/off switch plugs into Light Hub and Expansion Hub ports. **Includes** 1 Auxiliary Switch with 48" cable, mounting tape, mounting screws and instructions. W.S. #JP5725. **\$7.95**

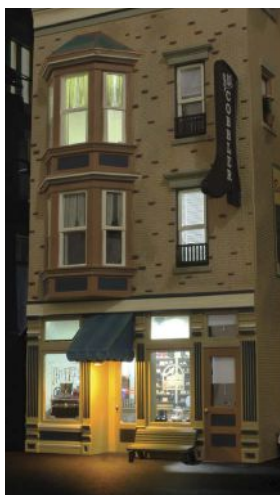
#88127 Extension Cable Kit Use with Extension Wire to create custom lengths of Just Plug Cables. Reach Hubs anywhere on your layout or project. W.S. #JP5684. **\$5.95**

#88124 Port Sharing Device Use with a Light Hub or Sequencing Light Hub to add up to 4 Stick-On or Nano LED Lights per light port. W.S. #JP5681. **\$7.95**

#86279 Stick-On LED Lights plug into Light Hub and are adhesive-backed for easy installation. Warm white color. Pkg. of 2 with 24" cable on each. W.S. #JP5740. **\$7.95**

#86280 Nano LED Lights plug into Light Hub and are small in size, big in brightness. Warm white color. Package of 2 with 24" cable on each. W.S. #JP5743. **\$7.95**

#86276 Light Diffusing Window Film diffuses light evenly throughout when lights



are on and eliminates the need for a building interior. **Includes** 1 Diffusing Film (white material) 6" x 36", 1 Window Tint (dark material) 6" x 36", 256 Micro Sticky Spots™ (repositionable) and instructions. W.S. #JP5715. **\$14.95**

#86277 Light Block Kit keeps light inside a structure, where it belongs. **Includes** 1 Masking Paint (1 oz), 2 Black Ribbon Putty (1/8" thick x 1/4" wide x 4' long) and instructions. W.S. #JP5716. **\$14.95**

HO & N STREET LAMPS AND WALL-MOUNTED LIGHTS

Each Street Lamp/Wall Light item below INCLUDES warm white LEDs, Linker Plug and instructions. Each uses only 1 Light Hub port per set. **To operate as designed, each item below REQUIRES** a Just Plug Light Hub (#86274) and a Power Supply (#86283).

Wooden Pole Street Lights Use to light depots, rail yards, alleyways, sidings, parking lots and more. Set of 3 lights. **\$19.95** **#86598 HO** **#87658 N**

Arched Cast Iron Street Lights Use to light city streets, sidewalks, downtown areas, parks, bridges and more. Set of 3 lights. List \$24.99... Our Price **\$19.95** **#86599 HO** **#87659 N**

Double Lamp Post Street Lights Use to light street corners, sidewalks, parks and more. Set of 3 lights. **\$19.95** **#86600 HO** **#87660 N**

Lamp Post Street Lights Use to light street corners, residential walkways, parks and more. Set of 3 lights. **\$19.95** **#86601 HO** **#87661 N**

Gooseneck Wall Mount Lights Use on business structures and rural outbuildings, billboards, signs, factory docks and more. Set of 2 lights. **\$11.95** **#86606 HO** **#87662 N**

Entry Wall Mount Lights Use on homes, business entryways, garages and more. Set of 2 lights. **\$11.95** **#86607 HO** **#87663 N**

#88128 Linker Plugs Use to plug in remotely located Street Lights and Wall-Mount Lights. Set of 6. W.S. #JP5685. **\$8.95**

#88129 Splicer Plugs to quickly reconnect wires after installing LEDs into discreet, small holes. Set of 12. W.S. #JP5686. **\$3.95**

See our website for O scale versions of the items above

Just Plug and Done!

These vehicles add light and interest to layouts without the need for electrical knowledge, wiring, or soldering. Each vehicle includes 4 LEDs (2 warm white headlights and 2 red taillights) plus a driver figure. See our website for details. HO & N Scale \$24.95 each O Scale \$47.95 each



Vehicle Name	HO Item #	N Item #	O Item #	Vehicle Name	HO Item #	N Item #	O Item #
Green Pickup	86641	87657	88289	Comfy Cruise	86645	87653	88293
Midnight Ride	86642	87656	88290	Station Wagon	86646	87652	88294
Police Car	86643	87655	88291	Fancy Fins	86647	87651	88295
Heavy Hauler	86644	87654	88292	Downtown Drive	86648	87650	88296

High Intensity LED Lighting for Confined Spaces and Special Effects



Our high intensity peel-and-stick LED (Light-Emitting-Diode) strips illuminate places regular lighting fixtures can't. Each flexible strip is only 10 mm (3/8") wide, and is supplied in a 5 meter (16 foot) reel that contains 300 LEDs spaced on 16.72 mm (5/8") intervals. Just use a scissor to cut the reel into shorter strips...a safe cutting location is marked after every three LEDs. Low voltage (12VDC) electrical requirements make wiring quick and easy. **Note: Our LED light strips use high-output SMD5050 LEDs that out-perform cheaper versions.** Includes one 2.1 mm barrel jack installed on end of reel. Electrical requirements: 12VDC; 1.2 amps per meter. See our website for full specifications.

A. - C. List \$59.95... **\$24.95 per reel**

A. #85496
Bright White (5000k)

B. #85633 Neutral/
Natural White (4200k)

C. #85497
Warm White (2800k)

Accessories for LED Light Strips (See our website for details and specifications)



#85501 6 amp 12VDC Power Supply. Powers up to 5 meters of LED strip lighting. Includes 2.1mm plug. List \$37.95... Our Price **\$24.95**

#85502 33 amp 12VDC Power Supply. Powers up to 27 meters of LED strip lighting. List \$69.95... Our Price **\$59.95**

#85498 Connector with 5" flying leads. Clips on cut ends of strip. **\$4.95** 5 or more **\$4.25 each**

#85499 Strip-to-strip Connector with 5" leads between clips. **\$4.95** 5 or more **\$3.95 each**



#85553 2.1 mm Barrel Plug to screw terminals adapter. Package of 5. **\$8.95**

#85554 2.1 mm Barrel Jack to screw terminals adapter. Package of 5. **\$8.95**

#85500 Strip-to-strip Connector. Butt joint with clips. Package of 10. **\$4.95**



#85503 Dimmer for LED strip lighting. 8 amp capacity for up to 6 meters of strip lighting. **\$8.95**



#88473 HO Just Plug® Rustic Water Tower
Authentic weathering and graffiti add character to this aging structure. Features include warning light at the top of the tower and an unattached pump house for custom placement.
\$114.95



HO Scale Electrical Pickup Bettendorf Caboose Trucks

#86527 Kadee® No. 590 HO Trucks, with etched-bronze axle wipers and electrical lead wires, pick up electricity from the rails to light cabooses, improve electrical pickup from locomotive tenders, or add auxiliary pickups for sound systems. These trucks are molded with High Gravity Compound (HGC), which results in truck weight that approaches pure metal for excellent track-hugging traction. One pair. **\$21.95**

Grain-of-Wheat and Grain-of-Rice Lamps for Model Projects



#82590-4C



#83155

Grain-of-wheat size (1/8" dia. x 3/8" long) bulbs are packed in a 100-piece bundle to save you money. 12-14v. AC/DC, .075 amp. 6" leads. List \$49.95/pkg. Our Price **\$39.95/pkg.**

#82590-4C Grain-of-Wheat Bulbs, 4 Colors (clear, red, green, amber; 25 each)

Grain-of-rice size (3/32" dia. x 3/16" long) lamps are specially manufactured for Micro-Mark with a 12V, 30ma rating so they can be wired directly to the function outputs of model railroad DCC decoders without fear of electronic overload or plastic-melting heat generation (with proper mounting and ventilation). Made of high-grade glass, with long-life filaments and durable 6" leads. Of course, they can be used for all types of micro-lighting applications. 40 lamps per package. List \$49.95/pkg. Our Price **\$39.95/pkg.**

#83155 Grain-of-Rice Lamps, Clear (pkg. of 40)

#83156 Grain-of-Rice Lamps, 4 Colors (clear, red, green, amber; 10 each)

Transform Rough-Running Locomotives into Smooth Performers with Our Premium Quality Flat Can Motors

High-torque permag motors feature 3-pole, balanced armatures and oil-impregnated bronze sleeve bearings for smooth starting and low-speed running. Narrow profile "flat can" design easily fits into small spaces. Compatible with either straight DC or DCC systems.

See our website for full specifications and diagrams.

#86529 Flat Can Motor Style 2430. **CLOSEOUT! ONLY \$9.95**

#86546 Flat Can Motor Style 2025. List \$19.95 **CLOSEOUT! \$9.95**

#84694 Flywheels (2) for #86529 and #86546 motors **\$12.95**

#84695 Universal Coupling Kit, fits all items above **\$13.95**



#86612



#80784

Soft-Touch Cradles for Modelers

Soft foam holds gently yet securely, protecting locomotives and rolling stock from damage while you paint, add details, assemble, apply decals, repair and weather even your most delicate models. Cleverly designed central groove holds projects at the optimal angle to see and work on every side of the model easily, comfortably and safely. Available in HO/O and Z/N scale.

#86612 HO/O Cradle **\$8.95** 2 or more **\$7.95 ea.**

#86614 Z/N Cradle **\$7.95** 2 or more **\$6.95 ea.**

#80784 Original Soft Touch Cradle's two different size "wells" hold HO and N scale models; keep small tools close at hand while you work.

\$14.95

The Long-Awaited Truck Spreading Plier is Here!

Manufactured to precise tolerances, these hand-ground, individually produced pliers are designed to slip between opposite ends of the wheel axle and backside of truck journal boxes when the jaws are nearly closed. A special compression spring offers just the right amount of resistance when you squeeze the plier, gently spreading the truck journals apart and causing the wheel set to effortlessly slip from the truck. Re-installation of the wheel set is just as easy. Great for use with our Truck Tuner, available separately below! For HO standard gauge trucks only.

#87936 HO Truck Spreading Plier **\$24.95**

A Micro-Mark Exclusive!

NEW! #87936K HO Truck Tuner & Truck Spreading Plier Set These two tools work perfectly together – get them now for one low price! List \$50.90 ... Our Price **\$37.95**

Truck Tuner Makes 'em Really Roll

Our Truck Tuner reconditions your HO gauge railroad truck bearings so cars roll smoother with less friction. Simply insert the tool in place of a wheelset and rotate the shank. Truck Tuner's extra-sharp tool-steel cutter reshapes the bearing to the NMRA's recommended 60° contour and cleans out burrs and grime. Repeat for all bearings and your car is ready to really roll. Increases train lengths that locomotives can pull by up to 20%! For HO standard gauge trucks only.

#82838 HO Truck Tuner **\$22.95**



A Micro-Mark Exclusive!

Adhesive foam pads on the back of the housing let you stick a lamp anywhere you need it...in model structures, cars, boats, planes, trucks, dollhouses. Grain-of-wheat size clear LEDs glow with a bright white color. Overall size: 1/2" diameter x 3/4" high, plus 12" leads for easy hook up. Includes integral resistor for LED operation. Works on 8 to 16 volts DC. Sticks best to smooth surfaces. Package of 20 lamps.

#86557 Peel & Stick LED Lamps (package of 20). List \$39.95 ... Our Price **\$24.95**

Note: Lamps require a power source. If not powered by layout connection, we recommend the optional items below.

#85501 6 amp 12VDC Power Supply. List \$37.95 ... Our Price **\$24.95**

#8554X1 2.1 mm adapter for use with LED Lamps and Power Supply above **\$1.95**

#89217 12V/1.5A Wall Adapter for #86557 Peel & Stick Lights. Features 2.1 mm x 5.5 mm female center-positive output connector, U.S. and European input clips. **\$14.95**

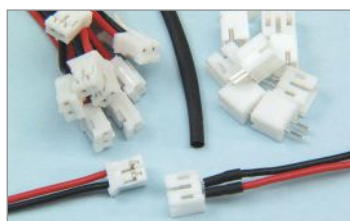
Mini Peel & Stick LED Lamps Mount to Almost Any Surface



Mini Connector Kit for Model Electronics

Kit makes it easy to disconnect motors, lights and other circuitry located inside models. 2-wire miniature connector bodies are only 3/16" x 1/4" x 3/8" long when joined. Connector halves snap together to prevent accidental parting. Each connector assembles in just a few minutes. Includes 7" wire leads and heat-shrink tubing to prevent shorts. Requires the use of a wire stripper and soldering iron. 4 amp capacity. Package of 10.

#83858 Mini Connector Kit Value \$25.95 ... Our Price **\$15.95**



Connectors are small enough to fit just about anywhere!



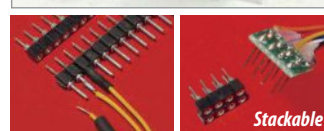
Micro-Miniature Connectors Fit in the Smallest Spaces

Use these Micro Connectors to make electrical connections inside tight spaces. Supplied in strips of 32 pins on 0.100" spacing, you just snip off the amount you need, then solder on your lead wires. We also include the heat-shrink tubing to insulate and protect lead wire connections.

See our website for more information.

#86559 Micro Connector Set **\$17.95**

3 or more sets **\$13.95/set**



Track is a Model, Too. So, Use the Very Best!

Micro Engineering track is good looking, curvable and accurately gauged for top-notch performance. Nickel-silver rail provides good electrical contact, has the appearance of steel, and resists corrosion. Ties are molded of a tough engineering polymer in realistic brown or concrete colors and include simulated spikes or rail clips plus tie plates for ultimate detail. All Flex Track is 36" long and sold in bundles of 6 pieces. Micro Engineering Turnouts (track switches) include DCC-friendly points, insulated cast-metal frog, and snap-action throwbar. **See our website for our full selection of rail joiners and spikes.**



Item #	Gauge	Description	Code*	SUPER BUY Price/bundle	SUPER BUY 3 or more bundles
#86826	N	Flex Track	55	\$33.95	\$27.95/bundle
#86824	N	Flex Track, Weathered	55	\$34.95	\$29.25/bundle
#86827	N	Flex Track, Concrete Ties	55	\$33.95	\$27.95/bundle
#86825	N	Flex Track	70	\$34.95	\$29.75/bundle
#86823	N	Flex Track, Weathered	70	\$34.95	\$31.95/bundle
#86832	Any	Rail (33 pieces)	70	\$59.95	N/A
#85246	HO	Flex Track	70	\$39.95	\$28.95/bundle
#86235	HO	Flex Track, Weathered	70	\$34.95	\$30.95/bundle
#83694	HO	Flex Track	83	\$34.95	\$28.95/bundle
#85494	HO	Flex Track, Weathered	83	\$34.95	\$30.95/bundle
#85431	HO	Flex Track, Concrete Ties	83	\$34.95	\$28.95/bundle
#83443	On30	Flex Track	83	\$44.95	\$36.95/bundle
#83697	Any	Rail (33 pieces)	83	\$64.95	\$53.95/bundle
#84793	O	Flex Track	100	\$49.95	\$44.95/bundle
#84794	O	Flex Track	125	\$59.95	\$50.95/bundle
#84795	O	Flex Track	148	\$62.95	\$52.95/bundle

Item #	Gauge	Description	Code*	SUPER BUY Price each
#86830	N	#6 Turnout, Left-Hand	55	\$21.95
#86831	N	#6 Turnout, Right-Hand	55	\$21.95
#86828	N	#6 Turnout, Left-Hand	70	\$21.95
#86829	N	#6 Turnout, Right-Hand	70	\$21.95
#85247	HO	#6 Turnout, Left-Hand	70	\$24.95
#85248	HO	#6 Turnout, Right-Hand	70	\$24.95
#83695	HO	#6 Turnout, Left-Hand	83	\$24.95
#83696	HO	#6 Turnout, Right-Hand	83	\$24.95
#83444	On30	#5 Turnout, Left-Hand	83	\$29.95
#83445	On30	#5 Turnout, Right-Hand	83	\$29.95

*Rail height in thousandths of an inch

Track Gauges for Hand-Built Track

3-point design with grooves to hold rail in perfect gauge while spiking by hand. **\$5.95 ea.**

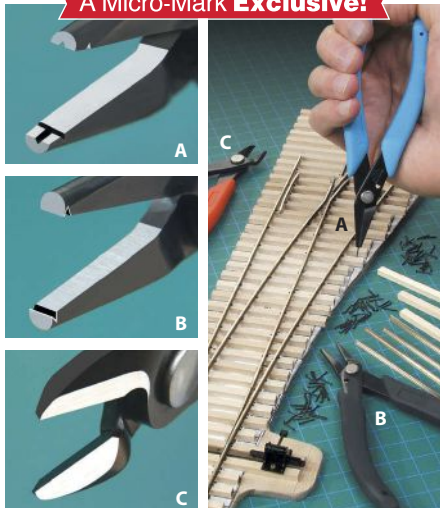
#86837 Track Gauge for Code 55

#86836 Track Gauge for Code 70

#83699 Track Gauge for Code 83

SEE OUR WEBSITE FOR ATLAS AND BACHMANN TRACK!

A Micro-Mark Exclusive!



SPECIAL OFFER! Buy the two Spiking Pliers and the Track Cutter together, and get a Canvas Tool Pouch for **FREE!**

#84366 Tracklaying Tool Set includes one each of above nos. 82839 (A), 82840 (B), 80337 (C), plus pouch. **\$69.95**

The Best Tools for Handlaying Track

We not only improved our already great spiking plier, but designed a spike removal plier as well. Add our rail cutter, and you've got a set of tools that will make handlaying smooth model railroad track a pleasure instead of a chore. Pliers are custom-made in the USA to our specifications by Xuron.

A. #82839 Spike Insertion Plier is manufactured with special dies that form perfect T-shaped grooves in the jaw faces. Spikes nestle perfectly into these grooves, and only a gentle squeeze of the handles is needed to hold them securely. The nose is specially contoured to push spikes home without slipping off and damaging the railhead or ties, and the comfortable grips let you spike for hours without fatigue. Your trackwork will be smooth and trouble-free. Works with all brands and gauges of spikes Z - O. **\$24.50**

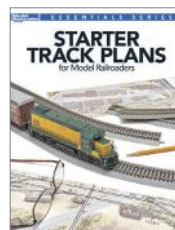
B. #82840 Spike Removal Plier has special die-formed jaws that grip spike heads securely and make removal easy. Just grab spike head and pull. **\$22.55**

C. #80337 Rail Cutting Plier cuts brass and nickel-silver rail so clean and square you'll need virtually no touch-up work with a file. Works on rail up to code 100 (.100" high). **\$19.95**

#82865 Custom-tailored Canvas

Tool Pouch holds two Spiking Pliers

and one Track Cutter. **\$9.95**



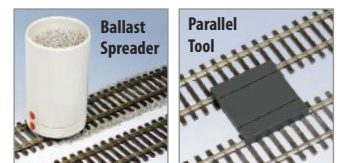
#88448 Starter Track Plans
For Model Railroaders **\$16.95**

Deluxe HO Track Laying Tool Set

These unique and useful tools can help you have a quieter, smoother rolling layout without annoying derailments.

#84114 HO 7-piece Deluxe
Track Laying Set **\$34.95**

7-piece Set Includes...



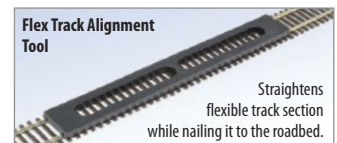
Evenly distributes ballast
between rails and on sides.

Maintains 2" spacing for
two parallel tracks.

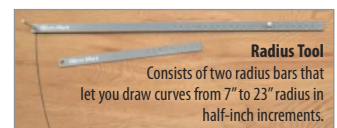


Provides a straight edge for
cutting track squarely.

Prevents plastic ties from
melting while soldering.



Straightens
flexible track section
while nailing it to the roadbed.



Consists of two radius bars that
let you draw curves from 7" to 23" radius in
half-inch increments.

Caboose Industries Manual Turnout Controls

#83763 HO 52025

5-pack \$15.95

#83765 HO & N 52185

5-pack \$15.95



2-in-1 High-Precision Miniature Digital Level

Measures grades



Measures superelevation

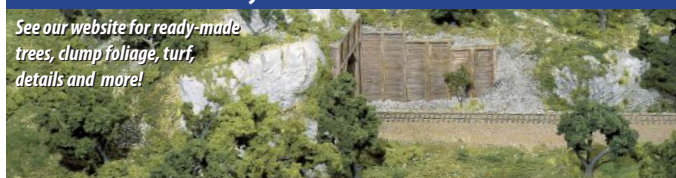


Carpenter levels are just too clumsy for measuring model railroad track grades and superelevation. So, we encased our high precision digital level in a compact housing that's only 2" square by 1" deep. At the press of a button, the large LCD reads the percent grade from sea level. Embedded magnets attach it securely to cast-iron/steel surfaces for hands-free measurement. Range: 0 to 45°/100%. Readability: 0.05°/0.01%. Hold button remembers last reading. Housing made from durable CNC-machined, satin-finish alloy. Includes 9V battery and auto shut-off battery saver.

#84519 Digital Level **\$49.95**

Scenery makes the difference!

See our website for ready-made trees, dump foliage, turf, details and more!

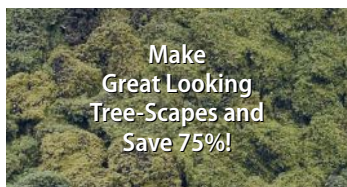


Static Grass Grass-colored fibers that tend to stand up when applied to scenic terrain. Truly realistic! 1 quart shaker bottles. **\$9.95 ea.**

#82361 Wild Honey
#82364 Light Green

#82362 Harvest Gold
#82365 Medium Green

#82363 Burnt Grass
#82366 Dark Green



Make
Great Looking
Tree-Scapes and
Save 75%!



Tree-covered landscapes made with our poly fiber are more dramatic and more realistic than those made with olive-colored fiber. Just pull out tufts of fiber and dip into **#85043 Scenery Cement**. Dust on some turf and instantly have great looking tree tops to glue to your mountainside. Our fiber is knot-free, so it's easy to pull out a tuft. Ounce-per-ounce, it saves you 75% over the cost of name brand fiber...you get over 4x the amount of material for the same price. 12 oz by weight. **\$19.95 ea.** 2 or more, same color **\$17.95 ea.**

#84907 Black Poly Fiber #84922 Green Poly Fiber

Slow-Motion Switch Tender is Quiet, Dependable, Easy to Install

The Switch Tender, mounted under the layout, uses a quiet, slow motion 12VDC gearmotor and a simple, easy-to-install linkage to gently throw the switch...no special wiring required! The Switch Tender is so easy to install, you'll have your whole layout upgraded in no time. Designed for use with all scales of model trains.

Switch Tender includes motor, mounting bracket, linkage for before or after track installation, hardware, wiring diagrams and instructions. Overall height: 2.200" (55.88 mm). Overall length: 2.640" (67.06 mm). Overall width: 1.040" (26.42 mm). Current draw at 12VDC: 0.025a while running; 0.060a when stalled. **#83201 \$18.95 ea.**

Buy 10 - 24 **\$15.95 ea.** Buy 25 - 99 **\$14.95 ea.** 100 or more **\$13.95 ea.**

#83257 Three-pole, double throw miniature toggle switch for activating Switch Tender and routing switch frog polarity. **\$5.95 ea.** 10 - 24 **\$4.95 ea.** 25 or more **\$3.45 ea.**

A Micro-Mark Exclusive!



The Ultimate Manual Turnout Control

The Blue Point Switch Machine is easy to install and is actuated by a simple push rod to your layout's fascia. The adjustable throw rod holds the switch points in positive contact with the running rails to prevent derailments. A DPDT snap-action toggle switch inside the compact plastic housing changes electrical connections to the turnout frog to prevent stalling of locomotives. Wiring your layout is simplified, because no electrical power is required to throw the switch. For use with all track gauges N through O. Dimensions: 1-1/4" wide x 1-3/8" deep x 2-3/8" high. (Order linkage below.) **Blue Point Switch Machines are available in 1, 5 and 10-packs**



#83425 1-pack
List \$16.95
Our Price **\$14.95**

#83426 5-pack
List \$69.45
Our Price **\$64.95**

#83427 10-pack
List \$129.95
Our Price **\$119.95**

#84715 Flex Link Starter Kit has everything you need to connect and operate one Blue Point Switch Machine (not included) with fascia push/pull knob. Includes all hardware, 36" long Flex Link plastic tubing, bracket and instructions. **\$14.95**

#84718 Flex Link Bulk Pack 5 of the above Value \$57.50... Our Price **\$54.95**



Static King™ makes it easy to model large grassy areas and ensures static grass is applied vertically. The Static King has an ergonomic design and can be placed upside down for easy filling. It comes with different sieve sizes for creating a varied effect using 2 to 12 mm lengths of Static Grass. A divider allows the use of multiple colors and sizes at the same time for modeling realistic fields and other tall grasses.

#88638 Woodland Scenics® Static King™ Static Grass Applicator **\$99.95**

#88677 Woodland Scenics® Model-Vac™ Model-Vac™ has the ideal suction velocity to pick up loose landscape materials and debris while leaving your layout's glued items behind. Plus, Model-Vac is easy to empty and won't damage excess material, making it suitable for reuse after collection. Though designed primarily for use on model railroad layouts, this ergonomic cordless vacuum is super-handly in tight areas and wherever standard vacuums are too big to go. Vac requires one 9V battery (not included). **\$21.95**

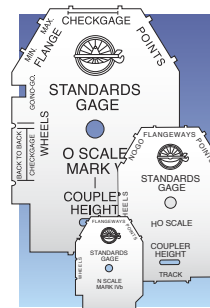


Rail Nipper Track Cutter Cuts Track Clean and Square

Our rail nipper makes short work of making clean, flush cuts through model railroad track up to code 140. Spring-loaded steel jaws are hardened for a lifetime of rail-cutting. Thick rubber handles are comfortable to use.

#86461 Rail Nipper Track Cutter **\$19.95**
3 or more **\$15.95 ea.**

Note: Picture shows the correct way to cut rail.



NMRA Gages Assure Trouble-Free Operation of Your Model Railroad

These gages help you to make adjustments to rolling stock and track to end annoying derailments. They'll check for accurate track and switch dimensions, wheel spacing, flange depth, tire width and wobble. Gages also check for structure clearance so trains can pass without hitting tunnel portals, station platforms, scenery, etc. These are precision stainless steel measuring instruments manufactured by the National Model Railroad Association. Instructions included.

#80752 HO Scale Gage **\$19.95**

#80753 N Scale Gage **\$19.95**

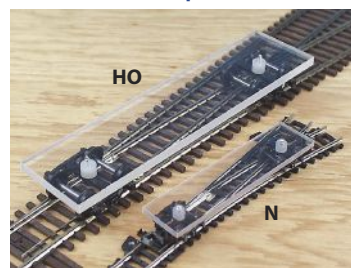
#84632 O Scale Gage **\$24.95**

Track Inspection Cars Find Trouble Spots

The crystal clear floor of the car gives you the best view of wheelset movement through switches, around curves, and at rail joints, allowing you to quickly detect the location of problem spots which can hamper the smooth operation of your trains. Easily in a few minutes. Includes trucks, hardware and instructions.

#82414 HO Track Inspection Car with metal wheels **\$15.95**

#82120 N Track Inspection Car with plastic wheels and couplers **\$14.95**



Black Micro Nails for Model Railroad Track

#70209 1/2" long, approx. 300 **\$7.95**
#70210 3/4" long, approx. 300 **\$7.95**

Holder for Micro Nails

#70218 **\$3.95**

3M Scotchlok "Suitcase Connectors" Eliminate the Stripping and Soldering of Under-Layout Wiring



Dubbed "Suitcase Connectors" by expert railroad modelers, these Insulation Displacement Connectors (IDCs) let you connect track feeder wires to main bus (power supply) wires without having to strip or solder. Simply place the connector over the wires and crimp the metal tab with pliers. The tab pierces the insulation and locks the wires together. Snap the lid shut, and you're done! Our IDCs are top-quality 3M Scotchlok brand.



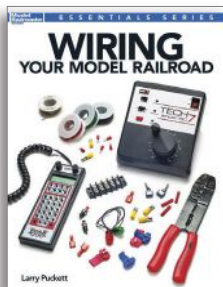
#84022 Suitcase Connectors (IDC #905 Red) for bus sizes #14-18 (max insulation OD .145") with feeder sizes #18-22 (max insulation OD .110"). Package of 25. **\$9.95**



#84023 Suitcase Connectors (IDC #567 Brown) for bus sizes #10-12 (max insulation OD .190") and feeder sizes #14-18 (max insulation OD .145"). Pkg. of 25. **\$14.95**



#84109 Suitcase Connectors (IDC #558 Pink) for bus and feeder sizes #16-22 (max insulation OD .120"). Package of 25. **\$12.95**



#88453 Wiring Your Model Railroad, by Larry Puckett

This is the first wiring book any modeler should buy, and is a great reference guide for experienced modelers as well. 128 pages. **\$21.95**



Railroad Modeler's Deluxe Tool Chest

A great selection of tools for a wide variety of model building tasks. Set includes: 6" stainless steel rule, 2 needle files, razor saw, sanding stick, swiss hammer, snap knife, needle nose plier, swivel head pin vise, slotted and Phillips head miniature screwdrivers, 3 drills, #1 knife handle, #5 knife and razor saw handle, aluminum miter box, 3 knife blades and fitted wooden chest.

#81501 Railroad Modeler's Deluxe Tool Chest. List \$96.55 ... Our Price **\$74.95**



Push Hammer Drives a Nail with One Push

A fantastic tool that drives tiny, hard-to-hold nails in places an ordinary hammer head won't fit! Magnetized plunger holds nail until you're ready to push. Works on all steel nails up to 1-1/4" long x 5/32" head dia.

#86272 Push Hammer \$14.95

#70209 Model Railroad Nails, 1/2" long (pkg. of 300) \$4.95

#70210 Model Railroad Nails, 3/4" long (pkg. of 300) \$4.95



A



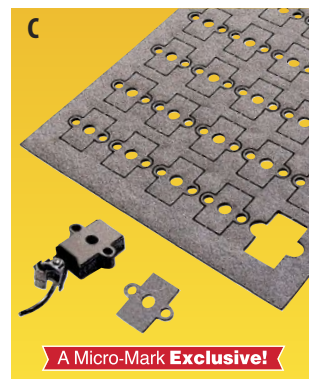
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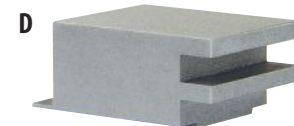
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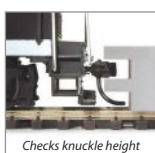
B



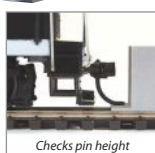
A Micro-Mark Exclusive!



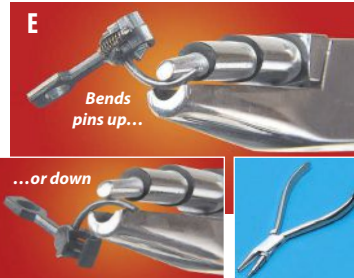
D



Checks knuckle height



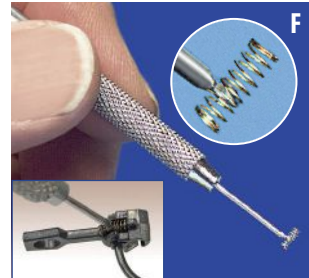
Checks pin height



E

Bends pins up...

...or down



F

A. HO Scale E-Z Mate® Magnetic Knuckle Couplers Improve Your Model Railroad's Performance

E-Z Mate Mark II Couplers are made of brown engineering plastic with steel trip pins and bronze coil springs in the knuckles for long life. Compatible with all brands of knuckle couplers. Medium-length centered shank fits the coupler boxes of most cars.

#83525 HO Scale E-Z Mate Coupler Standard Pack (12 pair). List \$30.00 ... Our Price **\$24.95**

#83526 HO Scale E-Z Mate package of 25 pair. List \$50.00 ... Our Price **\$37.95**

#86919 N Scale E-Z Mate Couplers, package of 12 pair. List \$30.00 ... Our Price **\$24.95**

#83524 HO Scale Under-track Magnetic Uncoupler sticks to bottom side of track with double-sided tape (included). Couplers "spotted" over magnet uncouple automatically. Includes scale figure to mark its location. Package of 6. **\$39.95**

#86920 N Scale Under-track Magnetic Uncoupler includes 1 N scale uncoupler magnet and 1 figure. **\$6.45**

Kadee® Coupler Assembly Fixture #84231 HO Scale Fixture \$7.95 See our website for our full selection of HO & O scale Kadee couplers.

B. Uncouple Model Railroad Cars Anywhere Without Damage to Delicate Details

Our surgical stainless steel uncoupling tool slips effortlessly between coupler knuckles, then uncouples and gently moves cars away from each other with a simple twist of the fingers. Works on HO and On30 scale couplers, including Kadee, E-Z Mate, Intermountain, and standard horn-hook train set couplers. Includes protective storage wallet. **#80972 HO Uncoupling Tool \$6.95** 3 or more **\$5.50 ea.**

C. Laser Cut Coupler Shims are a Real Time-Saver

Our laser-cut coupler shims are made of .025" thick insulation-grade compressed paper and are an exact fit for popular makes of HO and O scale coupler pockets, including McHenry, Kadee, Weaver and Intermountain. They're easy to install and can be trimmed to fit tight locations. **#84905 HO Coupler Shims (75) \$18.95** **#84906 O Coupler Shims (60) \$19.95**

D. Coupler Gauge Prevents Derailments and False Uncoupling of Trains

#82824 Coupler Gauge for HO Standard Gauge and Bachmann On30 **\$10.95**

E. Special Plier Adjusts Coupler Trip Pins

Adjust your Kadee and Bachmann E-Z Mate trip pins the easy, accurate way. Just place the pin between the jaws and squeeze. How hard you squeeze determines how far you'll bend the pin. Bends pins up or down. Plier is stainless steel with box joint construction.

#80600 Trip Pin Plier For HO and O \$12.95 **#80892 Trip Pin Plier For N \$12.95**

F. Reduce Stress with the "Grabber" for Kadee and E-Z Mate Coupler Springs

End unnecessary frustration and time lost searching for those tiny "fly away" springs! Our "grabber" holds, inserts and removes Kadee and other micro springs with ease. Made of surgical quality stainless steel with a specially forged tapered ball end. 4-1/4" long. You'll wonder how you got along without it! **#81029 Spring Grabber \$8.95**

Track and Wheel Cleaners for Smooth Operation and Control



For HO Track

The **Rail Tracker** cleaning tool follows the track and hugs the rails while you clean. Makes it easy to clean hard-to-reach areas. Includes everything you need to clean and maintain your track. Package doubles as a storage tray. Order extra cleaning pads below.

#85253 Tidy Track
Rail Tracker™ Cleaning Kit
List \$34.99 ... Our Price **\$26.95**

Rail Tracker Refills

#85254 Rescue Pads \$5.95
#85255 Maintenance Pads \$5.95
#85256 Cleaning & Finishing Pads \$5.95
#85257 Clean Track Solution, 1.85 oz \$4.95



Locomotive not included.

Eliminates tedious wheel cleaning!

Clean locomotive and rolling stock wheels without scratching.

Roto Wheel Cleaner quickly cleans all wheels at one time. Powers up from your transformer or track. Works with both analog (DC) and digital (DCC) control systems. Includes 2 sets of cleaning pads and 1 set of scrubbing pads.

#85259 Roto Wheel Cleaner for HO/On30 locomotives up to 12" and rolling stock up to 10-1/4". List \$29.99 ... Our Price **\$22.95**
#85260 Cleaning Pad Refills for above. Contains enough material for HO gauge: 3 sets of cleaning pads and 1 set of scrubbing pads. **\$8.95**

Make Perfect Grab Irons for Your Train, Aircraft, Truck and Military Models



If you've ever tried to make your own grab irons by eyeballing and bending wire into shape with a plier, you already know that it's almost impossible to make any two exactly alike. Our Grab Iron Bending Gauge has been specifically designed to quickly and easily form identical, precisely-sized grab irons from ordinary wire. Simply clamp your wire between the gauge's jaws at the selected size and bend to shape. Made of laser-engraved blackened CNC-machined steel for long life. Bends 21 sizes from .050" to 1.050" in .050" increments.

#84745 Grab Iron Bending Gauge \$44.95

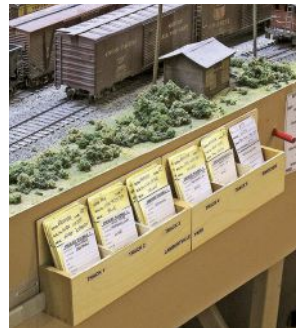
Use Our Car Routing System to Operate Your Layout Like a Real Railroad

With our Car Routing System and our instruction booklet (included), you'll learn how to use your railroad models in a manner that truly reflects their realism and capabilities. Our Car Routing System is realistic, flexible, and versatile, and requires no special equipment, such as a computer, to set up or maintain. And it's so widely used, many of your visiting operators will be already familiar with it.

#82916 Car Routing System Starter Pack
Includes 100 each car cards, waybills, and bad order slips, 25 locomotive cards, 4 three-compartment bill boxes, plus basic instructions to get your operations started. **\$34.95**

Order refills and extra bill boxes below...

#82910 Pad of 100 Car Cards. Buff color, 2-1/8" wide x 4" high (folded). **\$3.95**
#82911 Pad of 100 Waybills. White color, 2" wide x 3" high, 4-cycle. **\$3.95**
#82912X2 Pack of 50 Locomotive Cards. Gray color, 2-1/8" wide x 4" high (folded). **\$3.95**
#82913X2 Pack of 200 Bad Order Slips. Pink color, 2" wide x 3" high. **\$5.95**
#82914 Three-compartment Bill Boxes attach to layout fascia to hold car cards. Pkg. of 2. **\$14.95**
#86083 Five-compartment Bill Boxes. Package of 2. **\$19.95**
#84019X2 Pack of 50 Empty Car Requests for enhanced operation. 2-cycle Waybill on back. Light blue color. 2" wide x 3" high. **\$3.95**



#84189 Train Order Try It Pack for advanced operation contains one pad each of #84184 CFB Clearance Form A, #84185 CFB Form 19, #84186 CFB Form 31 and #84187 plain paper Track Warrant. 50 sheets per pad. **\$11.95** See our website for individual pads/refills.

Exact-Scale Tichy HO Freight Car Kits for the Detail-Conscious Modeler...Sold in Money-Saving Bulk Packs



#83675 USRA 40' Single Sheathed Box Car Kit
Used between 1918 and 1958. Includes steel and wood doors. Bulk pack of 6. List \$85.00 ... Our Price **\$69.95**



#84183 22' Wooden Ore Car Kits Common between 1906 and 1940, these heavy duty wooden cars carried ore throughout the upper Midwest and Northeast. Bulk pack of 12. List \$75.00 ... Our Price **\$64.95**



#83673 10,000 Gallon Tank Car Kit ICC Class 103 with a 60" diameter dome. Common between 1918 and 1955. Bulk pack of 6. List \$75.00 ... Our Price **\$59.95**



#83722 Pacific Fruit Express Wood Reefer Kit 1928 to 1960's. Bulk pack of 6. List \$75.00 ... Our Price **\$64.95**

Finished models shown. Painting, decaling and assembly required. Couplers sold separately.



Transform your track quickly and easily to look as realistic as the rest of your layout. Paint rails, plates and spikes with rust or steel colors; paint ties a realistic matte finish. Use before or after installation to paint metal or plastic track components. Works for all scales. Includes extra tip. **\$9.95 ea.**

#85264 Steel Rail Track Painter

#85265 Rusty Rail Track Painter

#85266 Weathered Tie Track Painter



Car Weighting System Optimizes and Improves Model Railroad Performance



Optimizing model railroad locomotive and car weight helps to minimize derailments, increase pulling traction and maximize train lengths for a dramatic gain in model train performance. System includes a high-precision digital scale for weighing cars, 48 self-stick 1/4 oz lead weights, and a chart of optimum car weights based on NMRA specs. Easy to use with scales N - O. Scale features 11 lb. (5 kg) capacity with digital readout in 0.05 oz or 1 gram increments. Includes tare feature and auto shut-off to conserve power. 5" dia. platen.

#84016 Car Weighting System
List \$46.60 ... Our Price **\$39.95**

#83825 Digital Scale only
List \$37.45 ... Our Price **\$29.95**

#82330 Stick-On Weights. Package of forty-eight 1/2" wide, 1/4 oz. lead weights with self-stick adhesive backing. **\$10.95**

Bright Bar Removes Tarnish and Rust



Abrasive impregnated rubber bar cleans model railroad track for better electrical conductivity. Also removes rust and tarnish on all metals and de-glosses plastic gently. 2" x 3" x 3/4". 240 grit.

#80437 Bright Bar \$8.95
3 or more **\$7.35 each**

See our website for more great freight car kits from Tichy, Kadee® and Funaro & Camerlengo, plus laser-cut cab kits and more!



Super Buys!

N

Bachmann N GP40



Econami™ Soundtraxx® DCC-Equipped

List \$279.00 ... **Super Buy \$229.95**

- #74573 Union Pacific® No. 906
- #74574 BNSF No. 3012
- #74575 CP Rail No. 4608
- #74576 CSX® No. 6001
- #74577 Norfolk Southern No. 3057

N

Bachmann Spectrum N EM-1



Econami™ Soundtraxx® DCC-Equipped

List \$499.00 ... **Super Buy \$329.95**

- #74567 B&O No. 7602 Early Large Dome
- #74568 B&O No. 7615 Early Large Dome
- #74569 B&O No. 7623 Later Small Dome
- #74570 B&O No. 7628 Later Small Dome

N

Bachmann N Class J 4-8-4



Econami™ Soundtraxx® DCC-Equipped

List \$439.00 ... **Super Buy \$299.95**

- #74571 Norfolk & Western No. 608
- #74572 Norfolk & Western No. 611

HO

Bachmann HO EMD GP38-2



DCC-Ready

Super Buy \$149.95

NEW!

- #74660 CSX® No. 2640
- #74661 Norfolk Southern No. 5314
- #74662 GMTX No. 2103

HO

Bachmann HO Class J 4-8-4 Locomotive & Tender



DCC Sound Value-Equipped

List \$459.00 ... **Super Buy \$260.95**

- #73691 Norfolk & Western, No. 611
- #73692 Norfolk & Western, No. 613

HO

Bachmann HO Thomas & Friends™



List \$169.00 ... **Super Buy \$164.95**

- #74666 Gordon The Express Engine

See our website for more Thomas & Friends

HO

Bachmann Spectrum HO 2-10-0 Russian Decapod



DDC WOWSound®-Equipped

List \$549.00 ... **Super Buy \$389.95**

- #74563 ATSF No. 2456
- #74564 Erie No. 2478
- #74565 Frisco No. 1624 with Doghouse Tender
- #74566 Western Maryland No. 1102

HO

Bachmann HO Baldwin 4-6-0



52" Drivers

DCC Sound Value-Equipped

List \$399.00 ... **Super Buy \$219.95**

- #73321 PRR No. 7080
- #73322 Union Pacific No. 1429
- #73323 Southern No. 1087
- #73324 C&O No. 377
- #73325 Santa Fe No. 498

HO

Bachmann HO GS4 4-8-4 Locomotive & Tender



DCC Sound Value-Equipped

List \$399.00 ... **Super Buy \$239.95**

- #73701 Southern Pacific Railroad Daylight, No. 4449
- #73702 Southern Pacific Daylight, No. 4436
- #73703 American Freedom Train, No. 4449

HO

Bachmann HO Streamlined K4 4-6-2



DDC WOWSound®-Equipped

List \$469.00 ... **Super Buy \$439.95**

- #74489 Pennsylvania Railroad No. 5338
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HO

Bachmann HO Siemens ACS-64



DCC Sound Value-Equipped

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HO

Bachmann On30 0-6-0 Steam Locomotive



DCC-Equipped, Sound-Ready

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- #74312 Allegheny Iron Works No. 5
- #74313 Midwest Quarry & Mining Co. No. 3
- #74314 Unlettered, Black

HO

Bachmann On30 Baldwin Class 10 Trench Steam Engine



DCC WOWSound®-Equipped with Chuffinity™

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- #74579 USA No. 5091
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HO

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#74427

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HO

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HO

Bachmann HO USRA Light 4-6-2



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HO

Bachmann HO 50' Outside Braced Box Car With FRED



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HO

Bachmann HO Old-Time Cars



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Baggage Car

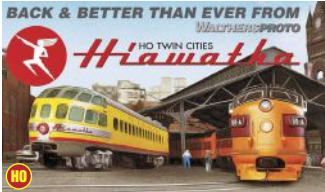
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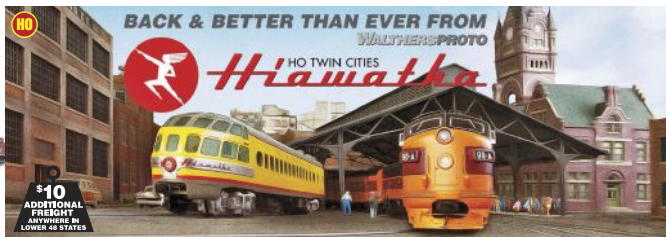
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Includes: KATO magnetic knuckle couplers, golden white LED headlights and illuminated pre-printed number boards; DCC compatibility, blackened metal wheels with all-wheel electrical pickup; marker lights on tail car.
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#74605 Kato USA N Scale Intercity Express German Railroad (DBAG) 12-Car Bullet Train
Based on the latest Intercity Express (ICE) 12-unit trainsets now in operation, only 100 of these N Scale sets will be produced! Both motorized cars are equipped with ZIMO sound and DCC and lighting decoders in both end cars.
Super Buy \$849.95



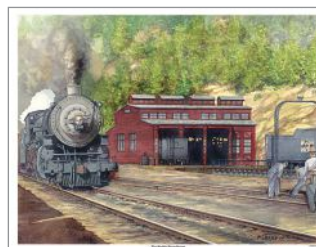
#74586 TomYec Hello Kitty® Shinkansen 8-Car N Scale Train Set
The Japan Railway West Company premiered a Hello Kitty® themed bullet train on its Sanyo Shinkansen line on June 30th, 2018. Adorned with Hello Kitty's iconic red ribbon scheme, TomYec modeled this 8-car set in N Scale.
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#74606 TomYec Hello Kitty 281 N Scale Limited Express Haruka Kansashi 6-Car Set
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\$10
ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES

Lionel HO Scale Train Sets include: LionChief 2-8-4 steam locomotive with tender, prototypical pilot and front end details and additional boiler details, separate handrails, Bluetooth control with included remote or app, DCC control, conventional transformer control, LED headlight, realistic sounds activated by remote or app, volume control, powerful can motor, front and rear operating knuckle couplers.



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ADDITIONAL
FREIGHT
ANYWHERE IN
LOWER 48 STATES



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NEW Lionel HO Scale Mikado Locomotives
capture the power and majesty of the Golden Age of Steam



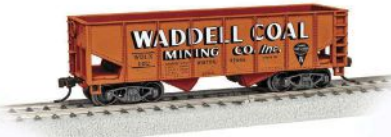
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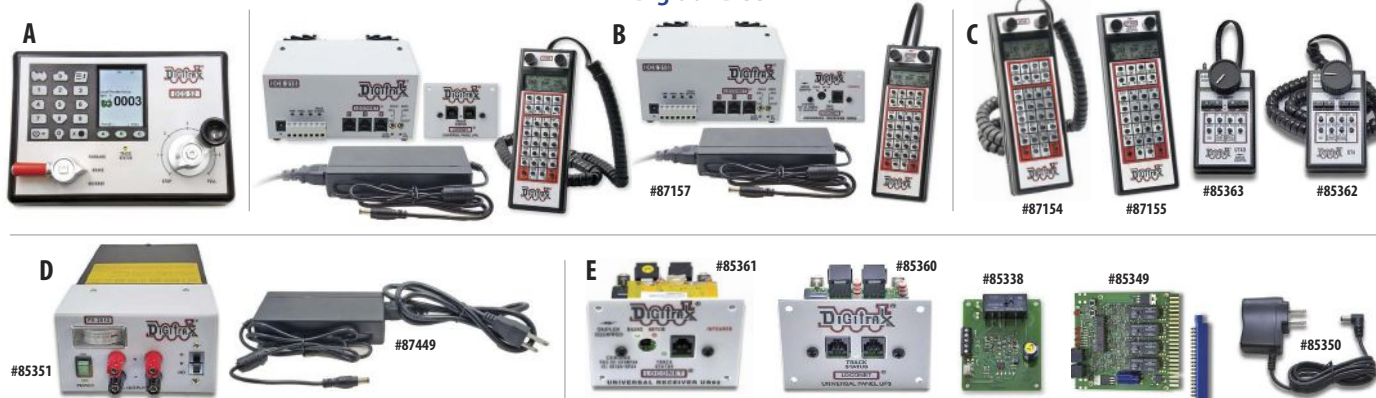


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Digitrax DCC



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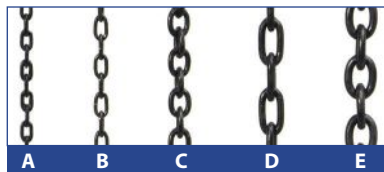
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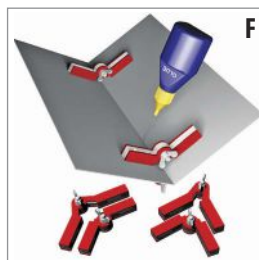
Miniature Chain for Model Work



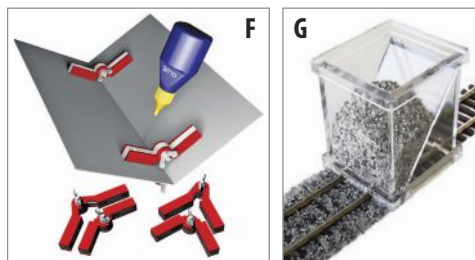
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Fig.	Item #	Material	Pitch (in)	Links/Inch	Outside Dia. (in)	Wire dia. (in)
A	85271	Brass	0.050	20	0.045	0.013
B	85272	Brass	0.062	16	0.051	0.012
C	85273	Steel	0.064	16	0.084	0.020
D	85274	Steel	0.115	9	0.088	0.025
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10 or more **\$4.50 ea.**



Cab not included.

Roller Sets Convert Any Track into Locomotive Test Stands



#82896 HO/On30 Locomotive Rollers Use this set of 4 mini roller sets to break in, tune up and test your HO, On30 and O gauge locomotives. Simply place between your track and the powered wheelsets of your engine, then turn up the power. List \$75.00 **WINTER SPECIAL! \$41.95**



#83417 O Gauge Locomotive Rollers Includes contact for center rail. **\$41.95**



#88918 Ring Engineering™ RailPro Model Train Control System Starter Kit

Professional grade, powerful, and very easy to use, this Train Control System Starter Kit contains a handheld controller and a power supply with enough wattage to run 15 typical modern locomotives. All you need besides the starter kit is a locomotive module (sold separately). Set-up takes only seconds. You can add additional power supply units, handheld controllers, accessory and locomotive modules to expand the starter set for control of any size layout! Includes HC-2 Handheld Controller, Battery Charger, USB Cable, PWR-56 Module, PA-2 Power Adapter, 110 VAC Power Cable and User's Manual with Quick Start Guide. List \$399.95 **Super Buy \$369.95**

#88068 Digitrax PR4 USB Interface and Power Supply



computer interface and decoder programming modes automatically without having to press any buttons. List \$89.00 **Super Buy \$74.95**

#86465 Soundtraxx PTB-100



Programming

Track Booster provides the extra power you need to program sound decoders, plus amplifies programming instructions, and gives you visual programming feedback via lights included on the circuit board. List \$59.95 **Super Buy \$47.95**

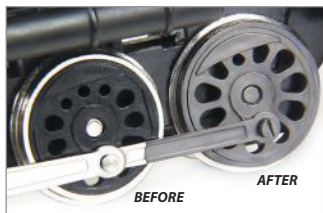
Track Cleaners on a Stick



The 3/4" dia. rubberized cleaning rod is sized just right for track width in each scale and won't harm delicate track components. Three 10" long x 3/8" dia. solid aluminum handles screw together to a length up to 30" to reach into tight spots. **\$19.95 each**
#82992 HO Gauge Track Cleaner
#83032 O Gauge Track Cleaner
#83033 N Gauge Track Cleaner

Continue your order on a plain sheet of paper if you run out of room in the form.

Neolube™ Blackens Metal, Lubricates, and Improves Electrical Conductivity



Neolube is a water-thin graphite-alcohol solution that brushes on metal surfaces smoothly and levels perfectly without streaking. When the alcohol evaporates, a thin, tough, dark matte gray coating is left behind that works like a dry lubricant, a metal blackener and an electrical conductor all in one. It is ideal for creating a more prototypical appearance and it improves electrical contact. 2 fl. oz jar includes in-cap brush. (Ships by ground to 48 contiguous U.S. only)

#83181 Neolube \$21.95

Handy Paint Masks for HO Wheel Sets Keep Treads and Hands Clean



Precision-cut masks fit 33" and 36" Walthers Proto, Life-Like and Proto 2000 HO scale wheel sets. Set of 2 masks. Assembly required.

#86225 Acrylic Paint Mask for HO Scale Wheels (package of 2) \$19.95



#86324 Applicator Brushes (50 pieces)

Great for use with weathering powders. Soft, pliable hairs pick up just the right amount of powder and gently deposit it around details, along rivet lines, and into cracks and crevasses, then softly blend colors for maximum realism. Also good for glue, paint touch-up and more. 3" long plastic handles. List \$15.95 ... Our Price **\$11.95**

Animation Motor Brings Dioramas, Model Railroads and Other Projects to Life



Make your own rotating signs, machinery, railroad turntables, moving figures and other special effects that will set your project apart from any others. 2" diameter x 1" long lifetime-lubricated, high-torque 120VAC gearmotor has a .275" (7 mm) diameter x 5/8" (16 mm) shaft that turns at a constant 2.5 rpm. Linkages attach easily to 1/8" (3.18 mm) cross hole in shaft. Includes convenient mounting flanges and 6' cord with on/off switch. Stall torque: 6 in-lbs minimum.

#82090 Animation Motor. List \$29.95 \$24.95

Topside Creeper™ Safely Extends Your Reach

Use the Topside Creeper in your workshop, garage and train room to easily access hard-to-reach locations. The heavy-gauge steel frame, slip-resistant steps and thickly padded cushion provide the comfort and stability you need to safely complete your projects. Adjusts from 48" to 72" high. Base is 31" wide x 56" long x 6-1/2" thick. Powder-coated to resist corrosion and scratching. Capacity: 400 lbs. Overall size is only 24" x 31" x 56" when folded. Includes convenient tool pouch, protective bumpers and locking casters. Some assembly required.

This item ships direct from the factory to 48 contiguous United States only. 15% restocking fee on all returns.

#83876 Topside Creeper List \$332.25 ... Our Price \$269.95



Folds to a compact 24"x 31"x 56" for easy storage!

Give Dropped Parts, Pins, Hardware, Tools and More "The Finger!"



This plier weighs 1/3 lb.

With an amazing 1 pound of pull, the powerful magnet of "The Finger" allows you to pick up and hold any small ferrous metal object with ease and control. Put the natural dexterity of your fingertip to work for you as you retrieve tiny metal parts dropped in otherwise inaccessible places; start a variety of fasteners where no other tools can go; pick up dropped pins and nails without a scratch; and so much more! Every shop needs an extra Finger!

#88374 "The Finger" Magnet Tool \$11.95

If You Can Imagine It, You Can Create It – with Hot Wire Foam Factory Cutting and Sculpting Tools

Unleash your creativity! There has never been an easier way to sculpt anything, from scale model railroad scenery, to 1-to-1 architectural elements to larger-than-life-size creatures and more. With these easy-to-use tools, inexpensive, ordinary light-weight foam can be cut, shaped and transformed into virtually anything you can dream up. There has never been a quicker, more cost-effective way to bring your vision to reality. And, with our variety of finishing products, the pieces you create can even be made to withstand the elements outdoors.



#87709



#87637



#87932

See our website for our full line of individual Hot Wire Foam Factory tools, finishing supplies, accessories and more!

#87709 Pro Model 5-In-1 3D Deluxe 24" Table Kit Need to do scroll cutting, routing, milling, and lathe cutting? You will get all that and more in this ultimate multi-function professional foam cutting system. Kit includes 3D Deluxe 24-Inch Table • 3" Hot Knife, Sculpting Tool, Precision Engraver and Freehand Router • Variable-Heat Pro Power Station • 11.5" Vertical Blades; allow unlimited length horizontal cuts • Ultra-fine 8" Precision Blades; slice foam paper thin • 10" Router Blades; can be bent with fingers to any shape • Ribbon Blades for cutting foam moldings • Stationary Fence for controlled slicing • Unique Traveling Fence for controllable complex angles • Second horizontal rod for overhead milling operations • Instructional DVD • Printed instructions. **\$349.95**

#87637 4-In-1 Pro Model Kit with Variable-Heat Pro Power Station One of the most popular foam cutting tool kits – not only

because it's a great value, but because it's got everything you've ever needed for your foam projects, big or small. Kit includes 3" Hot Knife, Sculpting Tool, Precision Engraver and Freehand Router • Power Station • 85-minute Hot Wire Foam Factory DVD • Large, sturdy carrying case • Printed instructions. **\$209.95**

#87932 Pro Scroll Table Kit Our Heavy Duty Pro Scroll Table has 30% more power than the light duty version sold by others. This extra power allows the use of a larger diameter wire that you pre-form into any desired shape. Kit includes L-shaped Scroll Table • Stationary Fence for precision cuts and paper-thin slicing • Traveling Fence for complex angle cutting and for shaping cylinders and cones • 4 Pro Scroll Blades • 4 Precision Pro Scroll Blades • Variable-Heat Pro Power Station • Instructional DVD • Printed instructions. **\$149.95**

Self-Powered Economy Hot Wire Tool for Basic Foam Shaping

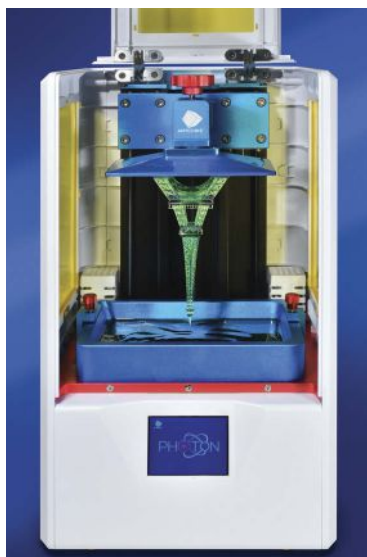
Hot wire slices up to 5" deep into styrene foam board up to 4" thick. Comfortable handle has spring-loaded trigger for on-demand instant heating. Includes 2 contoured rods, 2 adjustable collars, .010" diameter wire, and 120VAC plug-in transformer.

#82104 Economy Hot Wire Foam Cutter. List \$39.99 ... Our Price \$34.95

#82115 Extra .010" diameter cutting wire (4' long) \$5.95



3D Printers, CNC Machines, Laser Cutters...Micro-Mark Has it All! And, All 3D Printers Ship FREE! [See our website for complete details.](#)



This exceptionally detailed Eiffel Tower model was printed in-house on our own Anycubic Photon S with High Definition UV Liquid Resin to demonstrate the amazing results which can be achieved with these game-changing products!



The Anycubic Photon S Liquid Resin Printer is a Game-Changing, Yet Affordable Resin Printer Like No Other!

Excellent print quality and simple user operation make it a go-to for those in need of detailed prints and less hassle. This printer is ready to go right out of the box. Just set up your file, connect the printer, and pour in the resin. The included Photon slicer program provides an extraordinary user experience; a 30M STL file can take 10+ minutes when you use an open-source slicer, while the Photon Slicer will finish this job within just 1 minute.

Key Features and Specifications

- Printing technology: LCD-based SLA 3D Printer • Light-source: UV integrated light (wavelength 405nm) • XY DPI: 47um (2560 x 1440) • Y axis resolution: 1.25um • Layer resolution: 25 ~ 100um • Printing speed: 20mm/h • Rated power: 50W • Printer size: 9.5" x 7.8" x 15.7"
- Printing volume: 4.52" x 2.56" x 6.1" • Printing material: 405nm UV sensitive resin (see #89265 and #89266 below) • Connectivity: USB port • Package weight: 13 lbs.

#89264 Anycubic Photon S Liquid Resin 3D Printer

List \$489.00 **Super Buy \$469.95**

UV Sensitive Liquid Resins for Anycubic Photon S 3D Printer

With these printer resins, printed parts will have high detail with no deformation or noticeable shrinkage and the final cured pieces are strong without being brittle.

#89265 Anycubic UV Resin, .5L, Gray Great for prototypes and general-purpose prints. List \$68.99... Our Price **\$44.95**

#89266 Anycubic High Definition Dental Casting UV Resin, 500g, Green Excellent for producing the highest quality final prints. Cures harder and with finer detail; perfect for making casting masters. **\$79.99**



NEW!



#89590 Anycubic Wash & Cure Machine

Powerful built-in 365nm and 405nm UV light set with 360° rotating turntable bathes 3D prints in UV light to completely cure prints. For added safety, the UV light shuts off immediately if the top cover has been removed. Includes a sealed container and lid to store the washing liquid for re-use. List \$219.00 Our Price **\$189.95**

NEW!



#89606 FlashForge Adventurer 3 3D Printer

The first of the company's Adventurer series, the ultra-quiet Adventurer 3 is a great choice for family, school, workshop and 3D printing beginners. Its user-friendly interface design and powerful functionality make 3D printing easy. Features like a pre-leveled build plate and automatic filament loading system, which suspends printing when filament is broken or has run out, lets you spend more time creating and less time fussing with equipment. **Super Buy \$449.95**

NEW!



#89607 FlashForge Creator Pro II 3D Printer

This popular desktop 3D printer is built with a sturdy, substantially stable metal frame and an enclosed chamber to help protect and insulate 3D prints. The Creator Pro II features an optimized build printing platform, dual extruder with two spools, 8.9" x 5.8" x 5.9" build volume and 100~500 micron layer resolution. Works with ABS, PLA and other standard filaments. What's in the box: FlashForge Creator Pro II, 2 spool holders, 2 filament guide tubes, 2 spare blue platform stickers, dual extruder, filament, 16GB SD card with ReplicatorG and FlashPrint software, sample test files, cables, tool kit and user's manual. **Super Buy \$999.00**

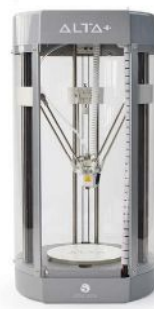
A Micro-Mark Exclusive!

NEW!



#89569 Shark SD100 Master Set by Next Wave CNC

This small-format model packs the same punch as larger units, making it a great value. Create 3D carvings and machined parts in a variety of media, including wood, soft metals, plastics and more. Simply design your piece in VCarve Desktop (included) or other design software, then, using the proprietary Ready2Control software (also included), load and run your design. Our exclusive Master Set includes a most-popular 6-piece CNC bit set and Bosch PR20EVS Colt Palm Router. List \$1649.95 **Super Buy \$1599.99***



#89467 Silhouette Alta® Plus 3D Printer

The Silhouette Alta® Plus 3D printer is perfect for beginners and experts alike. Alta can create a variety of 3D models using 1.75 mm PLA filament and is compatible with Silhouette's standard filament and specialty filament. Includes Silhouette Alta Plus 3D printer, power cable and USB cable, 60 gram spool of white filament, filament spool holder, platform with platform tape sheet installed, 10 replacement platform tape sheets, 2 hex keys for machine adjustments, nozzle cleaner tool, free download access to Silhouette 3D™ software and 25 exclusive designs and a 1-month Silhouette Design Store subscription. **\$349.95**



#89295 Shark HD510 by Next Wave CNC

New and extraordinary, the Shark HD510 is the must-have tool for any shop, from home workspace to production floor. The HD510 comes standard with everything you need to quickly get it set up and running: The latest version of Vectric VCarve Desktop design software, a color pendant controller, 2 hold down clamps, carbide V-bit, and NextWave Automation's exclusive, patented Virtual Zero Unlimited software. Made in the USA and backed with a full one-year warranty, plus lifetime technical support. **Super Buy \$3999.99***



Dremel Digilab 3D45 3D Printer Super Value Package has everything you want and need to start your own 3D printing studio!

Package includes: #87367 Dremel Digilab 3D45 3D Printer • #86616 XTC Liquid Coating for 3D Prints • Four 1.1 lb. spools of Dremel PLA Filament: #86581 blue, #86583 green, #86580 red and #86578 white (all 1.75 mm thick) • #82556 Digital Caliper with Standard Numerals, 6 Inch Capacity • #60102 Micro Tweezer with Straight Tips. (Other items shown are included with the 3D45 Printer.)

#87367K Dremel Digilab 3D45 3D Printer Super Value Package. List \$2033.98 **Super Buy \$1999.00***



#88153 Afinia Emblaser 2 Laser Cutter

Emblaser 2 doesn't use mirrors, so no alignment is required and it's air-cooled – no water, no pumps. Emblaser also eliminates complicated manual focusing and laser height is software-controlled. Cutting area is approx. 12" x 20"; max. cut depth is 1.97". Package includes: Wireless desktop laser cutter/engraver, Windows and Mac compatible LightBurn software, clean cut air assist, 4 cutting mats, lens cleaning kit, USB cable, extraction hose, 120-220V, 12VDC power supply and 1 year manufacturer's warranty. **\$2495.00***

#89545 HO Scale Protestant Church Consider yourself blessed with this HO scale laser-cut basswood early American Protestant Church kit on your layout or diorama. These were and are examples of God's dominion throughout cities and countryside of America. Much as most towns had a railroad, they had houses of worship as well. This kit features Tichy windows and accessories. Footprint: 5" x 5". **\$54.95**

#89546 HO Scale Parson's Home Usually the Pastor of a Protestant Church would have a dwelling nearby so he wouldn't have to travel far for his congregation. This basswood HO scale laser-cut Gothic Revival Style Victorian House can highlight your layout. Many of these houses existed as a Sears kit to be purchased from a catalog to build yourself. Now it is available for you to build on your own street and in your own neighborhood, just smaller. **\$59.95**



*Finished models shown.
Vehicles and accessories available separately.*

#89413 HO Scale Willard's Service Station Fuel up at Willard's Service Station. This HO laser-cut basswood structure with a 4" x 5" footprint can tune up your layout. After Henry Ford made it affordable to drive, these fueling and service stations popped up all over the American landscape. These early-to-mid-20th-century buildings can also be found abandoned or repurposed for a modern feel. This kit features Tichy gas pumps and windows. **\$54.95**

#89572 HO Scale Rural Billboard Set Display your custom ads with this HO scale laser cut Rural Billboard Set. Made from basswood and micro-density board, these sturdy billboards will accent any highway or rural road. Just print your ad artwork and slide it into the interchangeable slot for a fresh new look on your layout or diorama. Set of 2 billboards. **\$19.95**

A Micro-Mark Exclusive!



#89586 HO Scale Forklift Model Kit No loading dock, trackside industry, freight station, warehouse or scrapyard is complete without one of these workhorses on the scene. This exceptionally detailed little beauty has been custom-designed and 3D resin printed exclusively for Micro-Mark. Super-fine print rivals injection-molded styrene for smoothness, quality and detail. Easy assembly; illustrated instructions included. **\$19.95**

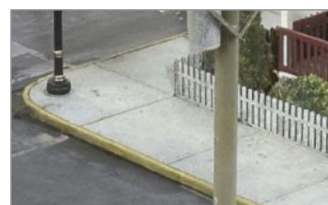
#88389 HO Scale Wooden Pallet Kit contains materials to assemble eight to ten+ wooden pallets, and a bonus of sixteen 2" x 4" x 8" pieces of lumber in HO scale. A perfect match with our #89586 HO Scale Forklift Kit above. **\$14.95**



*Painted and
finished models shown.
Additional accessories including telephone
poles, Just Plug lighting and more available separately.*



#89547 HO Scale Neighborhood Picket Fence
Fence your neighborhood yard perimeter with this simple, no-assembly, laser-cut HO scale picket fence. 100 HO scale-feet long and 4 HO scale-feet tall. **\$10.95**



#89564 HO Scale Neighborhood Sidewalks
Pave your neighborhood with these easy, no-assembly, laser-cut wide- and narrow-width sidewalks. Each section is over 200 HO scale-feet long in 2.5 and 5 HO scale-foot widths. Includes two corner sections for each. All sections feature realistic seams and curb details. **\$14.95**

Meet Matthew McKeeby, Micro-Mark 2021 Modeler of the Year



Last year, Micro-Mark announced the second annual **Model Challenge**; a skill, detail and creativity-based contest which inspired builders far and wide to take any Scientific model kit and make it their own. The response was outstanding and we were truly impressed with the high-level craftsmanship and imagination that went into every creation.

After carefully evaluating all of the entries received, one stood out from the rest... not only for its exceptional build quality, but for its instantaneous WOW factor. Matthew McKeeby started with the Scientific Wharf District kit set and went to another dimension, channeling sci-fi master H.P. Lovecraft and adding his own unique spin on a tale of a monstrous sea creature's revenge.

When Micro-Mark CEO Chas Fox presented Matt with the coveted Modeler of the Year award, we had the chance to ask Matt some questions about his amazing contest-winning diorama and about the man who created it as well.

MM: How did you get started in model building?

Matt: I've been building since I was in the second or third grade and I remember my first kit was an Aurora Wolfman kit with a glowing head. Man, it was great! I had it by my bed every night.

MM: What do you plan on doing with the prize?

Matt: I am really going to work to organize my studio with some of the materials Micro-Mark offers, racks for paint, storage for tools...it's great!

MM: What are your favorite Micro-Mark products?

Matt: I'm a big fan of my new airbrush compressor, the MicroLux, which is fantastic, and all of the organizing tools which you offer.

MM: What was the inspiration behind this great model that you created?

Matt: I started with the bust of an old sailor (see image at left) and I imagined the story he might be telling. I filtered that through some H.P. Lovecraft ideas and the whole thing just came together organically.

MM: What's your next project?

Matt: I'm working on a French Lancer right now, and when I finish that, I'm going to be building "Glacier Girl," a P-38 that's trapped in a glacier.

MM: That is awesome! Thank you, Matt.



Micro-Mark Model Challenge



With nearly 100 model kits to his credit, most plastic modelers have at least a few Tom Daniel designed kits in their collections. Who could forget the Red Baron, S'Cool Bus, Dragon Wagon, T'Rantula and so many more classics? Everyone has a favorite, so now is the time to pick yours and get to work!

Will YOU be our next Modeler of the Year Winner?

For our third annual **Micro-Mark Model Challenge**, build ANY Tom Daniel designed model kit, new or vintage, on its own, with other kits, in a diorama... the choice is yours... as long as a Tom Daniel kit is featured. Your contest entry should display modeling skills, creativity and attention to detail. The Grand Prize Winner will receive a \$1,000.00 Gift Certificate redeemable at Micro-Mark, a custom recognition plaque, and a newly-designed T-shirt featuring the iconic Red Baron. Also, your contest-winning model could be featured on a Micro-Mark catalog cover. No purchase is necessary to win.

Now start building!

**See any Tom Daniel model kit on our website
for full contest rules and details.**

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PROMO CODE

CUSTOMER

Welcome to the Future! The Portable Silhouette Portrait® 3 is Your On-The-Go DIY Precision Cutter for Whenever Creativity Strikes!

NEW!



*Model makers and
airbrush artists take note:
this is an amazing tool for cutting paint
masks in a fraction of the time and with greater
accuracy than you ever could by hand! And Cosplayers,
you will find this an invaluable tool for prototyping, making
patterns and even creating costume parts more easily than ever before!*

Meet the Go-Anywhere Silhouette Portrait® 3

The Silhouette Portrait® 3 is the smallest desktop cutting machine Silhouette has to offer. It's perfect for cutting materials up to 8" wide and up to 60 feet long. The Portrait is ideal for cutting any letter and A4-sized material, including paper, cardstock and sticker sheets, as well as longer rolls of material, such as vinyl or heat transfer. Model makers and airbrush artists take note: this is an amazing tool for cutting paint masks in a fraction of the time and with greater accuracy than you ever could by hand! And Cosplayers, you will find this an invaluable tool for prototyping, making patterns and even creating costume parts quickly and more easily than ever before. The applications are unlimited! The Portrait 3 was built with ease-of-use and portability in mind. Small machine, big possibilities!

Precision DIY Cutting is at Your Fingertips

The Portrait is a compact machine that allows you to create DIY projects with incredible precision. From cutting labels to creating custom stickers, the Silhouette Portrait is a tool that every maker should have.

The Portrait 3 works with the new AutoBlade and can create pop-out cuts on paper materials. It can also cut from rolls of material that are 9" wide, with a maximum cutting area of up to 8" wide and 60 feet long. The Portrait 3 can register Print & Cut designs on materials like cardstock, printable vinyl and heat transfer, making it really easy to cut around prints.

You can take this machine anywhere you go and create perfect cuts using the new Silhouette Go™ mobile app.

#89617 Silhouette Portrait® 3 Portable Electronic Cutting Tool **Super Buy \$199.99***

*Use our website shopping cart to calculate freight charge for shipments outside 48 contiguous U.S., or call our order line for assistance.



See Our Website for Our Complete Selection of Genuine Silhouette Accessories and Materials, Including...

#87770 Silhouette Light Hold 12" x 12" Cutting Mat **\$14.95**

#87757 Silhouette 6-piece Tool Kit **\$19.95**

#87754 Silhouette Heat Transfer Starter Kit **\$39.95**

#87847 Silhouette 9" x 72" Metallic Vinyl, Rose Gold **\$10.95**
and so much more!



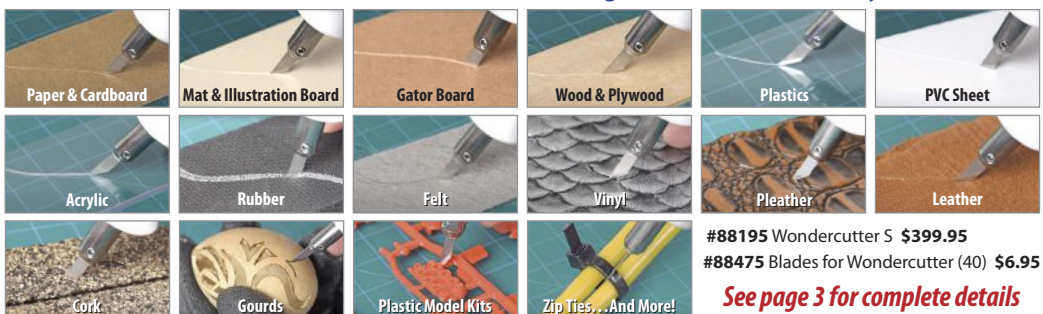
#89618 Silhouette Autoblade, Generation 2 for cutting paper, card stock, sticker sheets, heat transfer materials, vinyl and select specialty materials. Compatible with Cameo 4 and Portrait 3 only.
Super Buy \$12.99



Wondercutter is the Ultimate Precision Hand-Held Cutting Tool for the Widest Array of Materials...



A Micro-Mark Exclusive!



#88195 Wondercutter S **\$399.95**

#88475 Blades for Wondercutter (40) **\$6.95**

See page 3 for complete details