

XURON®
CORP.

precision tools
for creative hobbies
and crafts

Made in the

USA

XURON.com

Quality • Precision • Comfort • Durability

about us...

Xuron Corporation, headquartered in Saco, Maine has been manufacturing quality, precision hand tools for over 40 years. What began with one product in 1971, has grown to over 100 different types of tools — all still made in the USA.



Our dedicated and talented team of craftsmen/women produce thousands of tools every month.

Before shipping, each tool is hand finished and inspected. We take these extra steps because we recognize that the quality of the tools you use reflects upon the quality of your finished product.



This brochure introduces you to the Xuron® tools we've selected as most beneficial for model hobbies, crafts, and do-it-yourself projects. You'll see what makes our Micro-Shear® Flush Cutters so special and find helpful tips that will make your tool selection easier.

We pride ourselves on being approachable and helpful — please, if you have questions about a particular tool or application, feel free to call, email or connect on social media.

Xuron® tools are available at your local craft and hobby shop.

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Caution - Grips are not intended to provide protection against electric shock. DO NOT USE ON OR NEAR ENERGIZED CIRCUITS. DON'T BE BLIND TO THE HAZARD. Make sure everyone present is wearing approved eye protection whenever you work with hand tools.

cutters

Xuron® brand Micro-Shear® Flush Cutters come in an array of sizes and styles for a variety of applications. Originally designed for precision electronics manufacturing, Xuron® cutters are precise and durable, comfortable to use and deliver excellent results.



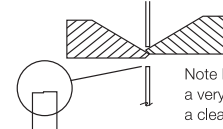
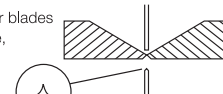
Maxi-Shear™ Flush Cutter #2175

A strong, durable shear, ideal for wire crafts, basketry, stained glass, caning, and in-home DIY projects. Maximum cutting capacity: 12 AWG (2 mm) soft wire. A versatile tool that belongs in every crafter's or homeowner's tool box.

Model #	Soft Wire up to 22 AWG (.64 mm)	Soft Wire up to 20 AWG (.8 mm)	Soft Wire up to 18 AWG (1 mm)	Soft Wire up to 16 AWG (1.3 mm)	Soft Wire up to 14 AWG (1.6 mm)	Soft Wire up to 12 AWG (2 mm)	Model RR Track HO,N & Z Scale	Plastic Sprue
2175	●	●	●	●	●	●		
2175ET								●
2175B	●	●	●	●	●	●	●	
2175M	●	●	●	●	●	●	●	

What makes Xuron®'s Micro-Shear® Flush Cutters different?

Compression cutter blades meet edge-to-edge, causing a spiked cut and an eventual dulling of the tool.



This is a cross section view of a XURON® Micro-Shear® flush cutter from the tip end.

Note how the blades bypass — this is a very important feature that results in a clean square cut with no spikes.



Professional Sprue Cutter #2175ET

Designed by a scale modeler for scale modelers who need a tool with added reach and maneuverability. Longer, low-profile cutting blades easily get into tight, confined spaces and our Micro-Shear® blade bypass cutting action leaves clean, smooth cuts with no pinch or damage to parts. Handles are longer and shaped with a slight curve to fit comfortably in larger hands, allowing greater stability and control. **Recommended for use on soft plastic only.**

Track Cutter #2175B

A must-have tool for model railroaders working in HO, N and Z scales. Cuts track easily and cleanly with little or no need for filing. Easy to use: Simply position track in the middle of cutting jaws and squeeze. Soft Xuro-Rubber™ grips and Light-Touch™ return spring eliminate hand fatigue, even after repeated cutting. Not for use on nichrome or other types of hard wire.

Vertical Track Cutter #2175M

Specifically designed for vertical cutting of HO and smaller model railroad track that's already been secured to the roadbed, as well as Marklin® brand C track. The cutter head is shaped for strength and durability. Much easier than slicing through track with a rotary cutter.

How to get the best results with your Track Cutter:

HO Scale



N and Z Scale



For maximum life and optimal finish, HO track should be cut top to bottom, N and Z from side to side.

cutters

Original Sprue Cutter

#410T

Smaller handles makes this cutter more popular with modelers who have smaller hands or limited dexterity, a perfect fit for younger modelers. Soft Xuro-Rubber™ grips and Light-Touch™ return spring provide a precision feel and all day comfort. Tapered tip provides access to tight areas.

Micro-Shear®

Flush Cutter

#410

An all-purpose cutter for hobbies and crafts. Rated for soft wire up to 18 AWG (1 mm), it is a perfect choice for cutting electronics wire, flexible stranded beading wire, and craft wire.



Angled Sprue Cutter

#420T

The same precision cutting as our 410T Original Sprue Cutter, but with a 55 degree angled cutter head. Tapered tip provides access to tight areas, while the angled head allows for improved sight lines when working. The 420T makes it possible to cut straight down in an otherwise inaccessible location — ideal for cutting inside a radius.

Model #	Soft Wire up to 22 AWG (.64 mm)	Soft Wire up to 20 AWG (.8 mm)	Soft Wire up to 18 AWG (1 mm)	Plastic Sprue
410	●	●	●	
410T	●			●
420T	●			●

Double Flush Cutter


#691

The term 'double flush' refers to the resulting flat end on both sides of the cut and cut-off piece of wire. For best results, hold wire perpendicular to the jaws while cutting. Will cut soft wire up to 12 AWG (2 mm).

Adjustable Wire Stripper and Cutter

#501

A toolbox staple for all hobbyists. Quickly and easily strips and cuts wire sizes 10-26 AWG (2.56 mm - .405 mm). The wire stripper features a thumb-adjustable cam that sets the tool to the appropriate wire size without needing to know the exact wire diameter — simply set and strip. The #501 also includes a full bypass cutter for added versatility.



Model #	Soft Wire up to 22 AWG (.64 mm)	Soft Wire up to 20 AWG (.8 mm)	Soft Wire up to 18 AWG (1 mm)	Soft Wire up to 16 AWG (1.3 mm)	Soft Wire up to 14 AWG (1.6 mm)	Soft Wire up to 12 AWG (2 mm)
691	●	●	●	●	●	●
501	●	●	●	●	●	●

Hard Wire Cutter

#2193 / 2193F

The only Xuron® tools recommended for cutting many different types of hard wire, including nichrome, music wire, throttle cable, push rods, and carbon fiber rods. Cutting effort is minimal due to the tool's full bypass shearing action. The #2193F has wire retaining clamps that hold onto both ends of the wire throughout the cut, reducing the possibility of wire pieces flying across the room. The #2193 is rated for cutting hard wire up to .040" (1 mm) and the #2193F is rated for cutting hard wire up to .060" (1.45 mm)



Model #	Soft Wire up to 14 AWG (1.6 mm)	Soft Wire up to 12 AWG (2 mm)	Hard Wire/ Spring Wire up to .040" (1 mm)	Hard Wire/ Spring Wire up to .064" (1.6 mm)	Carbon Fiber Rods
2193	•	•	•		•
2193F	•		•	•	•



Model Railroader's Toolkit
#TK 2200

Three timeless tools for any model railroader: #2175B Track Cutter, #410T Original Sprue Cutter and #450S TweezerNose™ Pliers (serrated).

Custom designed tool kits for a variety of hobbyists. Each kit contains three tools that are packaged in a protective canvas tri-fold pouch to keep them safe and organized. Additional kits are available and can be viewed on our website.



Model Aviation RC Toolkit
#TK 3300

Three basic and necessary tools for R/C model aviators: #2175 Maxi-Shear™ Flush Cutter, #2193 Hard Wire Cutter and #501 Adjustable Wire Stripper/Cutter.



Professional Modeler's Tool Kit
#TK 3200

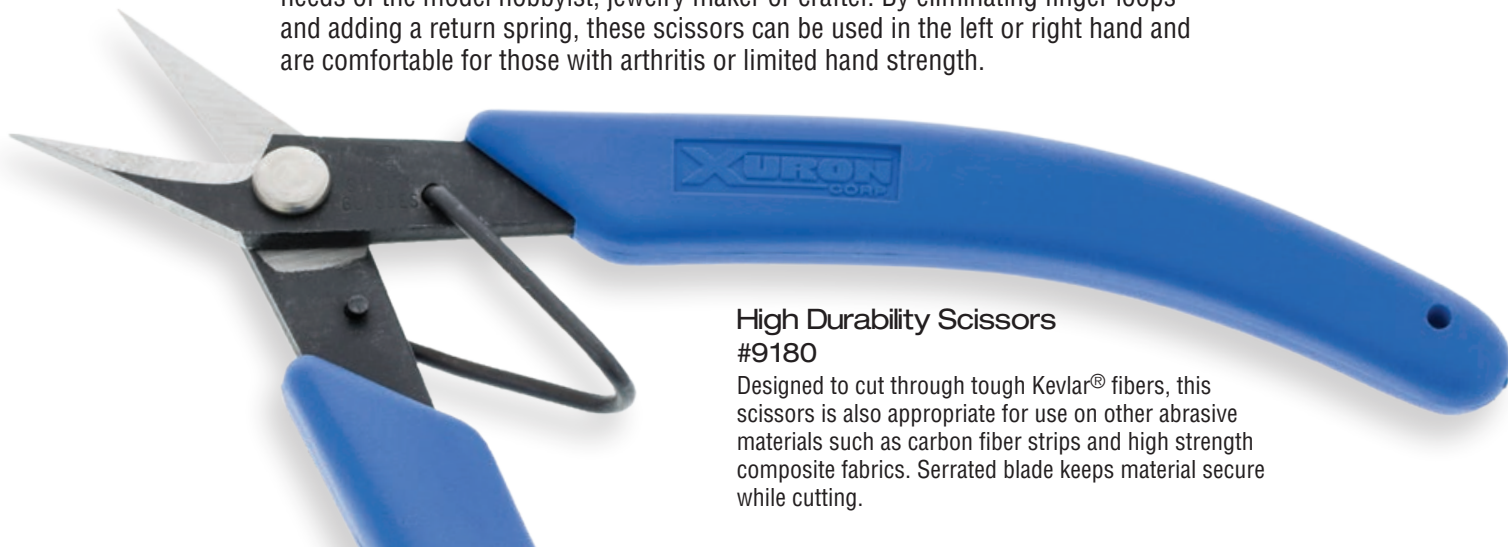
Featuring our newest tools designed by a modeler for modelers: #2175ET Professional Sprue Cutter and #9180ET Professional Photo-Etch Scissors as well as #450 Tweezernose™ Pliers.



Photo-Etch Toolkit
#TK 3600

You asked and we listened. This toolkit features the tools most in demand by those who work with photo-etch accessories: #9180ET Professional Photo-Etch Scissors, #575 Micro-Bending Pliers, and #450 TweezerNose™ Pliers.

Not your typical scissors, Xuron® brand scissors were initially developed for industrial applications and, as such, lend themselves perfectly to the demanding needs of the model hobbyist, jewelry maker or crafter. By eliminating finger loops and adding a return spring, these scissors can be used in the left or right hand and are comfortable for those with arthritis or limited hand strength.



High Durability Scissors

#9180

Designed to cut through tough Kevlar® fibers, this scissors is also appropriate for use on other abrasive materials such as carbon fiber strips and high strength composite fabrics. Serrated blade keeps material secure while cutting.

Model #	Photo Etch Brass, Aluminum	Carbon Fiber Strips	Plastic Sheet, Styrene, Balsa	Parachute & Leather Cord	Soft Sheet Metal and Sheet Solder	Yarn, Cotton and Silk Thread
9180		•	•	•		•
9180NS			•		•	
9180ET	•					
440	•					•

High Durability Scissors

(non-serrated)

#9180NS

Similar to the #9180 but with smooth blades (non-serrated). Excellent for cutting sheets of soft metal or plastic up to 20 AWG (.8 mm). Also, can be used to cut thin sheets of leather and vinyl.

Professional Photo-Etch Scissors

#9180ET

A precision scissors designed specifically for use on closely spaced photo-etch accessories. Trims so close that sanding is never necessary after the cut. Easily, cleanly and safely cuts PE without bending the delicate parts. Extra-long and ultra-sharp scissors blades, along with stable, curved handle grips and a return spring combine to create a tool that offers precision cutting with stability and control. ***Use on photo-etch parts only.***

Original Photo-Etch Scissors

#440

Blades and handles are smaller on this original version than on the #9180ET, making this the tool of choice for smaller or arthritic hands. A precision scissors, perfect for cutting fine and delicate items, such as photo-etch, thread, embroidery floss, wood reed, and cane. ***Model shipbuilders will find this scissors helpful for cutting rigging lines.*** Rated for cutting soft metals up to 0.005".



Tweezer Nose™ Pliers
#450 / 450S

Blades are fine, precise, and match perfectly all along the jaw, making this a useful tool to bend photo-etch, form and bend soft wire, or pick up and hold delicate parts. Available with smooth jaws (450) or serrated (450S).



Bent Nose Pliers #450BN / 450SBN

A bent nose version of our #450, with pliers blades angled to 45° for improved sight lines when working in tight areas or with small parts. The #450BN is great for handling small components or delicate items while keeping the hand in a horizontal position. Pliers tips are strong, precise and perfectly aligned. Available with smooth jaws (450BN) or serrated (450SBN).



Short Nose Pliers #475

Developed for fine electronics work, the short nose of this pliers puts you closer to your work for a greater feeling of control when bending or forming wire, photo-etch or other soft metals. Used by model railroaders for electronics work or by R/C'ers for wiring. Also useful for home electronics building and repair.

90° Bent Nose Pliers #486

The 90° bend of this pliers blade keeps your wrist in a natural position making it simple to pick up and manipulate model railroad spikes, nails and other small objects.



Long Nose Pliers

#485 / 485S

The Xuron® version of a traditional chain nose pliers. Lightweight, and not bulky — this pliers can be used to capture, bend, pull and manipulate wire. Great for work with electronics and miniatures. Available with smooth (#485) or serrated (#485S) jaws.

Combination Shear/Chain Nose Pliers

#485C

The combined benefits of a full bypass shear cutter and precision chain nose pliers in one tool. Cuts soft wire up to 12 AWG (2.05 mm). Pliers' blades are tapered for access into restricted work areas and have rounded outside edges for forming wire without damage or scarring.

Flat Nose Pliers

#485FN

A flat (duck bill) version of the #485 Long Nose Pliers. Flat, square, smooth blades are perfect for bending, holding and flattening wire, photo-etched parts or soft sheet stock.



Round Nose Pliers

#488

Round tips transition to an elliptical shape along the length of the blades for maximum looping and forming possibilities. Although delicate in appearance, the pliers blades stay aligned, never crossing in use (unlike less expensive alternatives). Useful for shaping and forming soft metals, photo-etch and wire.



Combination Tip Pliers

#489

One round blade and one flat make this tool useful for bending, shaping, looping and forming of wire and soft metals.

Split Ring Pliers

#496

Opening split rings is fast and easy with this pliers. Simply insert the 'tooth' of the pliers between the rings and squeeze the handles — no more broken finger nails!

Micro Forming Pliers

#575

Unique forming blades bend wire, photo-etch and light gauge strips of brass and aluminum into a perfect 90° angle. Also, ideal for adjusting trip pins on N, HO and O sized couplers.



WickGun™ Desoldering Braid Dispensers

A quick and convenient hand tool for all desoldering needs. WickGun™ Desoldering Braid Dispensers feature replaceable, interchangeable cassettes, factory loaded with pure copper braid (coated with flux). Rotate the thumb wheel of the gun to advance or retract as much braid as required. Place braid on top of solder to be removed and hot soldering iron on top of braid. Squeeze trigger of WickGun™ to cut off used braid. It's quick and clean. Great for repair work!

WickGun™ Desoldering Braid Dispensers come factory loaded filled with 15 feet (4.6 meters) of braid in sizes 1, 2, 3 or 4 (widths – 0.035", 0.060", 0.076", 0.110"). Cassette can be switched if the project requires several different braid sizes.



Dispensing Bottles

Each 2 ounce (59.14 ml) is matched with a 1 inch (2.54 cm) stainless steel capillary tube for precise and controlled dispensing of flux, light oil, paint, solvents and white glue. Not for use with CA (Super Glue). Needle adapter accepts any standard luer hub dispensing tube.

- # 800 – dispensing bottle, no needle
- # 810 – includes 0.010" I.D. capillary tube
- # 820 – includes 0.020" I.D. capillary tube
- # 840 – includes 0.040" I.D. capillary tube
- # 860 – includes three needles, 0.010", 0.020", & 0.040"





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