



MIDWEST HIGHLIGHTS

# WELDING



PARTNERING WITH EDUCATORS  
TO PREPARE THE WORKFORCE OF TOMORROW!

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# WELDING MACHINES

## LINCOLN PRECISION TIG WELDER 503676

Micro-Start™ II Technology delivers precision arc performance with extremely stable low amperage starting for welding and cratering in AC and DC welding.

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## LINCOLN AC-225 STICK WELDER

503590 AC-225

503600 AC/DC-225/125

Produces extremely smooth AC arc for welding carbon, low alloy and stainless steels, and cast iron. Amperage selector sets current quickly and accurately for a consistent and uniform arc.

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## BAILEIGH PLASMA TABLE

558175

Easily cut intricate shapes. Fully-welded steel frame stays square and accurate. Steel plate construction keeps results accurate over many years of productivity.

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# MILLER



## MULTIMATIC 215 MULTIPROCESS WELDER

**567133**

Lightweight MIG, stick, and TIG welder can weld material from 24 gauge to 3/8" thick. Auto-Set™ Elite can be used on multiple materials and processes to fine tune settings.

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## MILLERMATIC 252 MIG WELDER

**567010**

Welds material from 22 gauge to 1/2" thick in a single pass. Highest output in its class (250 A at 28 VDC) for welding longer on high-end applications.

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## MILLER XMT MULTIPROCESS WELDER

**567141**

Flexibility and simplicity make this the most popular model in the XMT family. Excellent arc performance and portability. Includes MIG runner package.

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## Miller Spectrum 625X Plasma Cutter

**566445**

Big cutting power in a small package. 40 amps for 5/8" mild steel cutting. X-CASE provides ultimate protection and additional space for MVP adapters, consumable box, and more.

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# WELDING TOOLS

MILLER FILTAIR MWX SERIES  
DISPOSABLE FUME EXTRACTOR

**567121**

Powerful high volume system with a MERV 15 FilTek XL filter designed specifically for welding fumes. Filters last 2X longer than treated cellulose and remove 95% of weld fume particulates.

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FIREPOWER OXYFUEL 250 OXY-ACETYLENE OUTFIT

**405609**

Designed with premium components and optimized for 1/2" cut and 5/64" welds. Best for light- to medium-duty fusion welding, braze welding, brazing, heating, and hand cutting.

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## CHOOSING A WELDING MACHINE

R E A D N O W

# ELECTRODES



FIREPOWER AWS CLASS E 7014 ARC WELDING ELECTRODES

**405702**

Iron-powder type electrodes for high deposition and travel speed. Use with a clean or prepared welding surface. Medium to low penetration on AC or DC and 70,000 psi tensile strength.

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FIREPOWER AWS CLASS E 6013 ARC WELDING ELECTRODES

**405678**

Mild steel type electrodes designed for general purpose use with a clean or prepared welding surface. Medium to shallow penetration on either polarity and 60,000 psi tensile strength.

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FORNEY ELECTRODE HOLDER

**942895**

Heavy-duty 300 amp electrode holder for most arc welding jobs. Accommodates rods 3/32" to 3/16" diameter. Will accept up to #2 welding cable. Measures 10-1/2" long.

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#### KEEN WELDING ELECTRODE OVEN

**492010**

Bench holding oven has solid steel construction and stores 200 lbs. of welding electrodes. Ideal for shops that need centrally stored consumables for long-term, 24/7 moisture protection.

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# WELD TESTERS



#### GREENE WELD TESTER

**433797**

Load and deform weld samples in a controlled manner with 8,000 PSI applied pressure. Built with heavy steel construction and a plexiglass safety deflection guard.

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#### FISCHER PNEUMATIC WELD BEND TESTER

**405900**

Very portable unit is best used when the material and thickness to be bent are usually the same. Has a single bend radius but can be converted by interchanging additional parts.

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## TYPES OF WELDING TO TEACH STUDENTS

R E A D N O W

# HAND TOOLS



FORNEY STRAIGHT HEAD CHIPPING HAMMER

**409960**

High carbon steel head with tempered flat chisel on one end and point at the other. Shockproof handle with loop for belt hook. Painted black, measures 10-1/2" long, weighs 1 pound.

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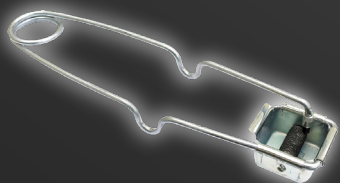


FORNEY STEEL GROUND CLAMP

**942896**

Good positive connection 300 amp ground clamp with 1-3/4" wide jaw openings. Will accept up to #2 welding cable. Measures 8-1/4" long.

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SHURLITE SINGLE FLINT LIGHTER

**795100**

Features large square hood for trapping flammable gasses for easy ignition. Wire frame is made from a specialty steel which retains its springiness over the life of the lighter.

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CRESCENT LOCKING C-CLAMP

**310637**

Designed for strength, durability, and long life. Cushion grip trigger allows for easy grip release. Knurled adjusting screw turns easily by hand. Narrow profile for use in tight spaces.

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IRWIN® VISE-GRIP® MIG WELDING PLIERS

**619310**

Perfect for spatter removal, wire cutting, drawing wire out of contact tip, and removing or installing nozzles or contact tips. Durable induction-hardened cutting edge for long life.

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# POWER TOOLS



JET ELECTRONIC DRILL PRESS

**486062**

Spindle speed rates from 65 - 2,000 RPM. Designed to permit continuous speed adjustment even during operation. Includes emergency stop and a heavy-duty casted head.

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BALEIGH MANUALLY-OPERATED COLDSAW

**222560**

Portable benchtop saw has a cast base and a flood coolant system. Miters up to 45° left to make burr-free cuts. Spins at 50 rpm for cutting tubing, pipe, angle iron, solids, and much more.

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MILWAUKEE ANGLE GRINDER

**575890**

This 11 amp, 4-1/2" angle grinder delivers up to 3X more durability and up to 50% more power. A 1,400 MWO motor powers through the toughest jobs with a 100% tool-free design.

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# WELDING CLOTHES & SAFETY



## **JACKSON HELLFIRE PREMIUM WELDING HELMET**

**772435**

Lightweight and ergonomically designed, this welding helmet ensures all-day comfort by reducing stress and fatigue. Includes ratcheting headgear for quick, easy adjustments.

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## **SELLSTROM PREMIUM SERIES ADF WELDING HELMET**

**772788**

Features state-of-the-art blue lens technology to allow true color vision and better welds. Lightweight design with excellent neck and head protection. Solar and battery operated.

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## **MILLER CLASSIC WELDING HELMET**

**566312**

Ideal entry-level helmet features ClearLight™ Lens Technology which provides high-definition optics for precision arc recognition. Three operating modes for enhanced versatility.

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### **SELLSTROM 390 SERIES FACE SHIELD**

**772575** with Anti-Fog Window

**772576** with Shade 5 IR Window

**772598** with Ratcheting Headgear

**772641** with Pin-Lock Headgear

Manufactured with chemical- and scratch-resistant acetate windows. Curved sides provide excellent protection from splashes, particles, and flying debris.

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### **WELDING HELMET KIT**

**558240**

Includes a lightweight auto-darkening helmet, gloves, magnet, 6 soapstones and holder, wire welding brush, and chipping hammer. ANSI approved and meets CSE/CE standard EN379.

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### **FORNEY WELDER STARTER KIT**

**408890**

Kit contains several basic welding accessories for beginner students including a flip-front helmet with adjustable headgear, leather gloves, chipping hammer, and carbon steel scratch brush.

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**4 WELDING SAFETY  
SUPPLIES YOUR  
STUDENTS NEED**

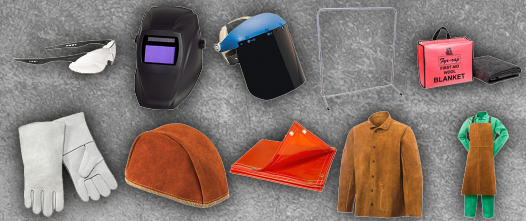
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### WELDING STARTER SUPPLY PACKAGE

558501

This 10-piece kit includes safety glasses, helmet, face shield, leather jacket and apron, large gloves, medium beanie, 6' curtain with adjustable frame, and emergency blanket.

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### STEINER ECONOMY WELDING GLOVES

885050

Comfort, protection, and durability! Gray leather gloves made from shoulder-split cowhide have a soft cotton lining and welted fingers and seams to protect stitching.

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### STEINER TIG WELDING GLOVES

885028

SensiTIG™ gloves are constructed of premium sheepskin with seamless index finger for precision welding. Unlined to maximize feel and dexterity. Straight thumb for best gun grip.

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## HOW TO CREATE A SAFE WELDING ENVIRONMENT

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### STEINER WELD-RITE LEATHER JACKET

885401 26"

885406 30"

The unique Weld-Cool™ design features underarm ventilation and riveted open-seam upper back to increase air circulation. Made from premium side-split brown cowhide.

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### STEINER WELD-RITE LEATHER APRON

885412

General-duty leather bib apron made from premium side-split brown cowhide has adjustable crossed back straps with quick-release buckles and rivet-reinforced seams and stress points.

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### STEINER WELD-RITE LEATHER SLEEVES

885420

Fits easily over work clothing and provides additional protection for arms. Made from premium side-split brown cowhide and has adjustable leather neck strap and snap wrist.

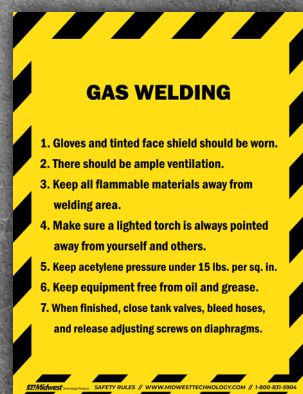
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### GAS WELDING SAFETY RULES POSTER

770396

Clear, concise safety rules are printed with black ink on 8" x 11" bright yellow heavy stock paper and laminated for durability.

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#### GAS WELDING

1. Gloves and tinted face shield should be worn.
2. There should be ample ventilation.
3. Keep all flammable materials away from welding area.
4. Make sure a lighted torch is always pointed away from yourself and others.
5. Keep acetylene pressure under 15 lbs. per sq. in.
6. Keep equipment free from oil and grease.
7. When finished, close tank valves, bleed hoses, and release adjusting screws on diaphragms.

# WELDING FURNITURE



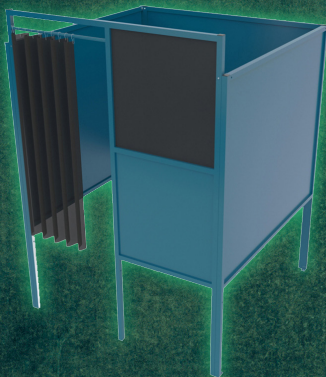
## **Pucel All-Steel Arc Welding Bench**

**683938** Solid Shields

**684005** See-Through Shields

Top working surface is made of 12 gauge steel and measures 36" x 36". Includes drawer underneath table top, 3 compartment tool tray, and 34" high shields for safety.

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## **GREENE WELDING BOOTH**

**433750** Free-Standing

**433751** Add-On

Made from heavy 16 gauge tubular steel. Includes non-conducting, asbestos-free, fire-resistant panels. Front panel has a #10 observation window for safe viewing outside booth.

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## **GREENE HAND-GRINDING STATION**

**433770**

All-welded construction from 11 gauge steel. Large replaceable steel grate work surface. Hinged, locking door on the front for easy clean-up. 5" tapered air vacuum inlet along back.

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### MILLER ARCSTATION 60SX

567140

Durable 1/8" steel frame with cross bar. Heavy-duty 3/8" solid table top and 30" x 60" X-pattern. Adjustable leveling feet keep the bench steady. Includes several accessories.

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### GREENE 4-STATION GAS WELDING TABLE

433640

All-welded construction from heavy 3/16" thick steel. Fully-grouted firebrick work surface. Four torch holders. Floor anchor pads. Gas distribution tower meets safety regulations.

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### GREENE GAS WELDING BENCH

433805

Brick surface gas welding table is made from all-welded heavy gauge steel to survive in tough environments. Stands 34" high with a square 36" x 36" work surface.

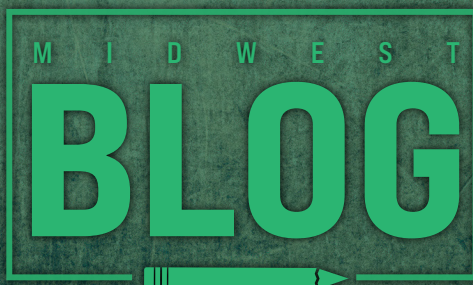
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### DIVERSIFIED WOODCRAFTS TOOL CABINET

559178

Constructed of solid maple and maple veneers. Upper cabinet doors, side and rear panels are lined with 1/4" pegboard. Lower cabinet features 1 fixed and 2 adjustable 1" plywood shelves.

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## DESIGNING A WELDING CLASSROOM

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