

WELDING & FOUNDRY

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WELDING & FOUNDRY

Welders & Accessories

Arc Welders



**Stick Welding • AC, CC & AC/DC, CC
Thunderbolt® AC & AC/DC XL**

Miller Range and muscle to handle numerous stick welding, hard surfacing and cutting jobs with easier starts and less arc blow. Unit has the precision for low hydrogen and special alloy electrodes. Allows weld time to increase when amperage decreases.

- Accu-Set™ amperage control
- Cooling fan for extended life
- 2 wide AC amperage ranges w/continuous adjustment
- Infinite current control for precise weld output
- 3-yr. mfg.'s warranty on parts & labor (903-642 is 5-yr.)

DC unit produces up to 20% more DC output than other welders:

- Fewer arc outages
- Less sticking, less spatter
- Easier out-of-position welding
- Better control on thin work

Rated output @ 15% duty cycle (903-641) 225 amps @ 25VAC
 @ 15% duty cycle (903-642) DC 225 amps @ 25V

Output range AC (903-641 & 903-642) 30-150 (low), 40-235 (high)
 DC 30-160

Unit size 18-3/4"H x 12-3/4"W. Weight 85 lbs. (903-641), 104 lbs. (903-642).

Includes 15' No. 4 electrode cable w/heavy-duty electrode holder, 10' work cable w/clamp, power cord w/plug.

Stk. **566980** Mfg. 903-641 AC Unit, 230V, 1 phase **\$ 378.00**

Stk. **566981** Mfg. 903-642* AC/DC Unit, 230V, 1 phase **582.00**

* Also includes AC & DC electrodes.

Running Gear. Roll power source effortlessly. Power source mounts easily, providing convenient portability. **Includes** 2 wheels, 2 feet & handle.

Stk. **565923** Mfg. 043-927 **\$ 32.80**

Welding Helmets, pages 417-418.

Welders & Accessories, cont.

Arc Welders, cont.

**Stick Welding • AC, CC
AC-225 Arc Welder 230V**

Lincoln Known for its smooth AC welding arc and industrial long life. Use on carbon and low alloy steels, stainless steel and cast iron. Welds down to 16 ga. sheet metal or on heavy steel plate. Use for maintenance and repair welding, building, fabrication or modifying equipment, construction tools and fixtures and more.



- Easy to set w/full amperage selector switch sets the current quickly & accurately, ensuring a consistent & uniform arc
- Easy to install & operate
- 3-yr. mfg.'s warranty on parts & labor

Rated output @ 20% duty cycle 225 amps @ 25V
 Output range 40-225

Unit size 24"H x 17-1/4"W x 12"D. Weight 109 lbs.

Includes input power cable & plug, electrode holder & cable, work clamp w/cable & manual.

Stk. **503590** Mfg. K1170 230V, 1 phase **\$ 510.00**

Wheel Kit. Includes axle, 2 wheels & assembly hardware. Installs in minutes.

Stk. **503500** Mfg. K761 **\$ 18.00**

**Stick Welding • AC/DC, CC
225/125 Arc Welder**

Lincoln Unit adds smoother, more stable DC welding arc to the AC-225 Stick Welder. Use AC for welding heavy plate where higher deposition rates and travel speeds are desired and DC for thinner materials where a low current, stable arc is essential. For farm, shop and industry.



- Rugged design handles the toughest applications
- 3-yr. mfg.'s warranty on parts & labor
- Easy to install & operate

Rated Output @ 20% duty cycle: AC 225 amps @ 25V
 DC 125 amps @ 25V

Output range: AC 40-225 (AC), 30-125 (DC)

Unit size 24"H x 17-1/4"W x 12"D. Weight 124 lbs.

Includes input power cord & plug, electrode holder & cable, work clamp & cable, sample pack of electrodes & manual.

Stk. **503600** Mfg. K1297 230V, 1 phase **\$ 776.00**

Wheel Kit. Includes axle, 2 wheels & assembly hardware. Installs in minutes.

Stk. **503500** Mfg. K761 **\$ 18.00**

**Stick, TIG & Gouge Welding • AC/DC, CC
Idealarc® 250**

Lincoln Stick welding workhorse with up to 300 amps of AC power or down to 250 amps of smooth DC welding performance. For industrial production welding, maintenance, repair shops.



- Outstanding arc stability & built-in stabilizer (pop-out resistant welding w/AC electrodes)
- Twist-of-wrist polarity changes (AC, DC+ or DC-)
- Continuous output control adjusts arc to fit welding needs
- Use w/all electrode types
- Easy set-up & operation
- Fan-cooled thermal protection
- Stack 3 high to save space
- 3-yr. mfg.'s warranty (parts & labor)

Rated output: @ 30% duty cycle (AC & DC) 250 amps @ 30V
 Output range 35-300 (AC), 40-250 (DC)

Unit size 27"H x 19"W x 21.5"D. Weight 350 lbs.

Please specify voltage.

Stk. **503571** Mfg. K1053-9 208/230/460V, 1 phase **\$ 2,014.00**

Accessory Kit. Includes electrode holder, work clamp, electrode & work cables, plus headshield w/lens cover plate.

Stk. **503476** Mfg. K704 **\$ 701.00**

Undercarriage. For easy portability. **Includes** handle, axle, wheels, front bracket & mounting hardware. 24.56"W.

Stk. **503530** Mfg. K866 **\$ 144.00**



Welders & Accessories, cont.

Arc Welders, cont.



Stick Welding • AC/DC, CC Dialarc® 250 & 250P

Miller High output and duty cycle allow unit to handle nearly all stick welding needs. Electrical control assures fast and easy selection of any desired current within this model's 2 wide ranges. Range selector switch is provided for high or low AC or DC current.

- Single-dial infinite current control simplifies & allows precise weld output adjustment
- Forced-draft cooling fan
- Wide range of electrode versatility that welds difficult materials
- Built-in power factor correction (Mfg. 907-015 only) for lower primary amperage demand

Rated output @ 30% duty cycle 250 amps @ 30VAC
@ 50% duty cycle 200 amps @ 28VDC

Output range AC 35-165 (low), 105-300 AC (high)
DC 35-155 (low), 90-265 (high)

Size 24-1/4"H x 19"W x 28"D. Weight 360 lbs. (566366), 365 lbs. (566365).

Please specify voltage.

Stk. **566366** Mfg. 907-017 200/230/460V, 1 phase \$ **1,701.00**

Stk. **566365** Mfg. 907-015* 200/230/460/575, 1 phase **1,774.00**

* Includes power factor correction.

Running Gear. Four 8" rueblin (hard plastic) wheels w/towing handle.

Stk. **565814** Mfg. 041-580 \$ **252.00**

15' Stick Cable Set. 15' No. 2 electrode cable & holder, 15' work cable & clamp. 200A, 100% duty cycle.

Stk. **566299** Mfg. 195-196 \$ **105.00**

TIG Welders



Stick & Stick/TIG Welding • DC, CC Maxstar® 150 Welders

Miller Small and mighty 13.7 lb. unit with advanced inverter technology for DC TIG or stick welding packages and deliver a welding output of 5 to 150 amps. Just add filler material and/or shielding gas and get ready to weld!

- Auto-Line® adapts to 115V or 230V
- Built-in gas solenoid eliminates the need for torch w/gas valve
- Lift-Arc™ start provides TIG arc starting w/out high frequency
- Single amperage range allows operator to set amps at 115V & 230V
- Low OCV Stick reduces OCV to 13V when not in use
- UL listed

Rated output @ 100% duty cycle (DC): Stick 100 amps @ 14V
TIG/Stick 100 amps @ 24V

Rated input @ 50/60 Hz . . . 70 amp @ 17.4V (Stick), 100 amp @ 18.4V (TIG/Stick)

Welding amperage range (DC) 5-150 (TIG), 20-150 (Stick)

Max. open circuit voltage 90V

Unit size 9"H x 5-1/2"W x 13-1/4"D. Weight 13.7 lbs.

Please specify voltage.

Stk. **566393** Mfg. 907-135* 115/230V, 1 phase \$ **983.00**

* Stick Pkg. Includes power input cord, 13' stick electrode holder, 10' work clamp, shoulder strap.

Stk. **566392** Mfg. 907-135-01-6** 115/230V, 1 phase \$ **1,262.00**

** TIG/Stick Pkg. Includes same as above, plus TIG Torch (WPI 712RD125) w/adaptor, regulator, hose & case.

You'll find **Faceshields** on page 419.

TIG Welders, cont.

Stick & TIG Welding • AC/DC, CC Invertec® V205-T

Lincoln A compact, TIG power source for critical AC or DC TIG welding for maintenance to production fabrication. Variable AC frequency for focused arc when precise control is required. 115/230V input voltage auto-reconnect for AC/DC usage in the shop or the field.



- Starts DC(-) to maintain a sharp tungsten
- Stick crisp mode for exceptional Fleetweld® 5P & 5P+ performance
- Adjustable DC strike mode for adjustment of hotter/colder starts
- TIG AC/DC advanced inverter optimizes arc performance
- Adjustable AC output allows focused arcs & minimized heat zone
- Extended AC balance control maintains pointed tungsten to direct the arc in the weld joint
- 3 selectable waveshapes square wave, sine wave & triangular wave
- Voltage reduction device reduces open circuit voltage in stick mode
- High output rating 200 amps @ 40% duty cycle
- Full-featured TIG control up to 11 variables including pulse, upslope, downslope & balance control
- Easy-read, LED display sequence diagram w/1-knob settings
- Fan-As-Needed saves power, limits noise & dust
- UL listed
- 3-yr. mfg.'s warranty on parts & labor

Rated output (AC/DC):

115V, 20-30 amp circuit: (Stick) 70-110 amps @ 22.8-24.4V
(TIG) 100-150 amps @ 14-16V

230V, 15-30 amp circuit: (Stick) 130-180 amps @ 25.2-27.2V
(TIG) 140-200 amps @ 15.6-18V

Rated input 15V-34 amps

Output range (AC/DC) 6-200 amps

Unit size 15"H x 8-1/2"W x 19"D. Weight 38 lbs.

Includes twist-type connectors & adjustable shoulder strap.

Stk. **503668** Mfg. K1855-4 115/230V, 1 phase \$ **3,667.00**

Stick & TIG Welding • DC, CC Invertec® V155-S

Lincoln Smaller, lightweight inverter stick welder delivers precision arc control for code-quality results. Features 120/230V Auto-Reconnect™ operation from a portable generator or plugged into a 230V (200' L) extension cord.



- Touch Start TIG™ DC operation for easily striking arc w/out high frequency or tungsten contamination
- Auto-Adaptive Arc Force™ minimizes electrode sticking in puddle w/out compromising arc stability or increased spatter
- 2 stick modes (soft & crisp) provide the right arc for various electrodes
- Auto restore fuse protects machine from input over current & resets w/out fuse change
- Automatic Hot-Start™ boosts current during starting for easier arc strikes
- F.A.N.™ noise/dust reduction
- 3-yr. mfg.'s warranty

Rated output @ 100% duty cycle (DC):

120V circuit: (Stick) 75 amps @ 23V, (TIG) 100 amps @ 24V
230V circuit: (Stick) 105 amps @ 14.2V, (TIG) 130 amps @ 15.2V

Rated input 24 & 33.8 amps

Output range (DC) 5-155 amps

Unit size 11.3"H x 6.2"W x 15.4"D. Weight 14.7 lbs.

Includes (6.6') 120/230V input cord w/two 120V plugs (15 & 20 amp), work clamp & cable (w/Twist-Mate™ plug), stick electrode holder & cable (w/Twist-Mate™ plug), plus adjustable shoulder strap.

Stk. **503678** Mfg. K2605-1 120/230V, 1 phase \$ **972.00**



Welders & Accessories, cont.

TIG Welders, cont.

Stick & TIG Welding • DC, CC Invertec® V275-S

Lincoln Rugged stick and TIG power source with IP23S-rated weather-resistant features. Up to 275 output amps provide accessibility to a greater number of stick electrode types, diameters and applications. 2-position Hot Start switch and adjustable Arc Force provide great arc control.



- Use up to 7/32" dia. electrodes for whip & drag techniques
- Touch-Start TIG™ for a DC welding arc w/out high-frequency starts
- Air carbon arc cutting & gouging w/up to 3/16" dia. carbon electrode
- Same performance w/1 or 3 phase input (w/out derating 1 phase)
- Weather-protected chassis, switches, potted & trayed PC boards
- Meets IP23S environmental rating, meets ISO 9001 requirements
- 3-yr. mfgr.'s warranty on parts & labor

Rated output (DC) 208/230, 1 & 3 phase: 275/250 amps
 Rated input. 27-68 amps
 Output range (DC) 5-275 amps

Unit size 13-1/2"H x 9"W x 20-1/4"D. Weight 54-1/2 lbs.
 Stk. **503667** Mfg. K2269-1. 208/230V, 1 & 3 phase **\$ 2,588.00**



shown w/optional Running Gear

Stick & TIG (AC/DC, Pulsed) Welding • AC/DC, CC Syncrowave® 350 LX & 250 DX

Miller Syncro-Start™ improves high frequency TIG arc starting performance. Choose from 3 starting conditions to optimize the application according to tungsten dia. and material thickness.

*Coolmate™ 3x cooler system (907-194-0302) with 3 gal. capacity and external filter (stops foreign objects

from entering water-cooled torch cable). Flow indicator for visual indicator.

- Built-in consumable storage
- USA made
- Fan-On-Demand™
- Dual digital meters
- Built-in preflow & postflow
- Built-in cable hangers
- Constant line voltage compensation
- Squarewave output w/AC balance control
- Last procedure recall
- Help messages provide output status for machine circuitry
- Lift-arc™ circuit allows TIG starting w/out high frequency usage

Rated output @ 40% duty cycle (350 LX) 350 amps @ 34 VAC
 (250 DX) 250 amps @ 30 VAC
 @ 60% duty cycle (350 LX) 300 amps @ 32 VAC
 (250 DX) 200 amps @ 28 VAC

Output range. 3-400 (350 LX), 3-310 (250 DX)
 Size 36-1/4"H x 22-1/2"W x 25"D. 496 lbs. (350 LX), 378 lbs. (250 DX).

Includes international-style torch & cable connection kit.

Please specify voltage.

Stk. **566405** Mfg. 907-198 350 LX, 200/230/460V, 1 phase **\$ 4,227.00**
 Stk. **566406** Mfg. 907-198-03-02* 350 LX, 200/230/460V, 1 phase **5,811.00**
 Stk. **566978** Mfg. 951-119** 350 LX, 200/230/460V, 1 phase **6,217.00**
 Stk. **566400** Mfg. 907-194. 250 DX, 200/230/460V, 1 phase **\$ 2,710.00**
 Stk. **566403** Mfg. 907-194-03-02* .. 250 DX, 200/230/460V, 1 phase **4,055.00**
 Stk. **566977** Mfg. 951-117** 250 DX, 200/230/460V, 1 phase **4,466.00**

* Also includes Coolmate 3x cooler & running gear (No. 37).

** Also includes Coolmate 3x cooler & running gear (No. 37), 2 dinse 50mm connectors, 4 gal. coolant, remote foot pedal, 25' water-cooled torch, torch accessory kit/tungsten, 15' work lead w/clamp & cable cover.

No. 37 Running Gear. Two 10" wheels, two 5" casters, handles & 2-compartment rack for gas cylinders or Coolmate™ V3 coolant system.

Stk. **566301** Mfg. 195-282. **\$ 441.00**

Foot Current & Contactor Control. Includes 20' cord & 14-pin plug.
 Stk. **565921** Mfg. 043-554. **\$ 233.00**

Coolmate™ 3x w/Cart & Dual Cylinder Rack. Use w/water-cooled guns. Includes easy-load dual cylinder rack & running gear.
 Stk. **566310** Mfg. 300-419. 3 gal. tank **\$ 1,420.00**

Stick & TIG Welding • AC/DC, CC Syncrowave® 200

Miller Easy-to-use, reliable full-featured squarewave power source provides professional performance with a smooth and steady arc.



- Squarewave output for stable arc & eliminates tungsten spitting
- Dual digital meters shows actual & preset values of amps & volts
- Built-in pulse control enhances weld bead & puddle control
- Cable management system, w/dual cable hangers & foot control storage, attaches to power source side panels
- Auto-post flow protects weld end zone & electrode by optimizing post-flow time based on welding amperage
- 115V auxiliary power w/receptacle for cooling system or small tools
- Runner w/cylinder rack eliminates lifting gas cylinders
- Syncro Start™ allows selection of soft, standard or hot TIG HF starts to optimize application to tungsten dia. & material thickness

Rated output @ 40% duty cycle 150 amps @ 26V
 Rated input @ 50/60 Hz, 1 phase 54 amps @ 208-230V
 Output range (DC) 5-200 amps

Unit size 30-1/8"H x 21-1/8"W x 21-1/2"D. Weight 238 lbs.

Includes 12-1/2' 150A TIG torch, 12' work cable w/clamp & quick connect, RFCS-14 remote foot control w/20' cord, gas regulator, gas hose & electrode holder w/quick connect.

Please specify voltage.

Stk. **566410** Mfg. 907-308 208/230V, 1 phase **\$ 2,009.00**
 Stk. **566411** Mfg. 907-308-00-1* 208/230V, 1 phase **2,196.00**
 * Also includes running gear (No. 39).

RCC-14 Remote Contactor & Current Control. Side-to-side rotary-motion fingertip control fastens to TIG torch w/2 Velcro® straps.

Includes 26.5' cord w/14-pin plug. For production & quick ramp-up.
 Stk. **566187** Mfg. 151-086. **\$ 186.00**

Universal Carrying Cart & Cylinder Rack. For gas cylinder up to 56"H & 6" to 9" dia. Storage for electrodes, helmets, gloves, etc.
 Stk. **565929** Mfg. 042-934. **\$ 333.00**

Stick & TIG Welding • AC/DC, CC Precision TIG® 275 Welder

Lincoln Micro-Start II™ Technology and AC Auto Balance® deliver very stable low amperage starting, welding and cratering for both AC and DC welding. Fan-As-Needed™ prevents overheating, reduces power use, noise, motor wear and dust in the machine.



- Selectable welding modes (high frequency, scratch start, Touch Start TIG™)
- Auto Balance® improves penetration & bead appearance
- Cable management w/integrated torch holster
- Water-cooled, side-mounted torch connections
- 115V auxiliary power receptacles for powering optional water cooler or power tools
- 3-yr. mfgr.'s warranty on parts & labor
- High duty cycles
- Well-spaced, easy-use controls
- Consumables storage compartment
- C/US certified

Rated output @ 40% duty cycle 275 amps @ 31V
 Rated input @ rated output: with pfc* 80/72/36A
 w/out pfc* 104/94/47A
 * power factor correction

Output range (AC & DC) 2-340 amps

Unit size 31"H x 22"W x 26"D. Weight 397 lbs.
 Stk. **503680** Mfg. K2619-1 208/230/460V, 1 phase **\$ 3,513.00**

Undercarriage. W/dual bottle rack, front casters, rear wheels & handle.
 Stk. **503460** Mfg. K1869-1 **\$ 471.00**

Welders & Accessories, cont.

TIG Welders, cont.

Stick & TIG Welding • AC/DC, CC
Econotig®

Miller Complete AC/DC, TIG and Stick welding package. For light gauge TIG welding .032 to 3/16" thick steel, stainless steel and aluminum. For thicker metals, stick welding 3/32" and 1/8" electrodes. AC output for aluminum, DC output for mild and stainless steel welding.



- 4-position polarity selector switch: 2 AC current ranges, DC Electrode(-) for TIG & DC electrode(+) for stick welding
- Built-in internal arc assist starter/stabilizer for DC TIG
- Remote control in TIG position for foot or fingertip control
- Quick-connect International-style electrode connections
- Tool-free flow-through shielding gas TIG torch connection
- Preset auto postflow timer protects tungsten tip, workpiece & torch
- Automatic high temperature shutdown
- Mfg.'s warranty: 3-yrs. (power source), 90 days (parts & labor, foot control & torch), 5-yrs. (main power rectifier parts)

Rated output @ 20% duty cycle 150 amps @ 15VAC
Rated input 200V-60, 230V-52, 460-33 amps

Output range AC 20-50 (low), 50-165 (high)
DC 30-160

Unit size 18"H x 13"W x 25-1/2"D. Weight 140 lbs.

Includes 12-1/2' TIG torch w/backcap, 3/32" collet, ceramic gas cup, power source w/6' cord & 50 amp plug, 3/32" collet body, 2% thoriated tungsten, 12' ground cable & clamp, 15' stick electrode holder, 15' remote foot control (RFC-E), gas regulator & flowmeter, 12-1/2' shielding gas hose, "How-To" Video & International-style quick torch disconnect.

Stk. **566937** Mfg. 903-367 230V, 1 phase \$ **1,617.00**

Cart/Cylinder Rack. Mounts to power source, supports argon cylinder. Tray holds leads, welding hood, gloves, etc. For 6-9"H. cylinders.

Stk. **565929** Mfg. 042-934 \$ **333.00**

Stick & TIG Welding • AC/DC, CC
Precision TIG® 225

Lincoln Precision welder provides power for general fabrication, automotive and vocational schools. Micro-Start™ II Technology delivers precision arc performance with extremely stable low amperage starting for welding and cratering in AC & DC welding.



- AC Auto-Balance™ & built-in simple pulse control for ease of use
- Great auxiliary power w/wide output range (5-230 amps)
- Auto-Balance™ automatically sets cleaning vs penetration levels
- Built-in TIG pulser helps control heat input in the weld
- Digital meter & simple, well-spaced controls
- 115V auxiliary power receptacles power water coolers & other tools
- Fan-As-Needed™ prevents overheating, reduces power use noise, motor wear & dust in the machine
- US certified 3-yr. mfg.'s warranty on parts & labor

Rated output @ 100% duty cycle 90 amps @ 23.4V
Rated input @ rated output 39 amps @ 42V
Output range (AC & DC) 5-230 amps

Unit size 20.7"H x 14.5"W x 25.6"D. Weight 212 lbs.

Includes torch parts storage compartment, torch hanger, 10' work cable & clamp, removable lift eye, 9' input power cord, NEMA 6-50P Plug, NEMA 6-50R receptacle, 12.5' 1-piece PTA-17 pro-torch TIG, gas regulator w/hose, foot Amptrol®, TIG & GTAW (TIG) manuals.

Requires shielding gas, sold separately.

Stk. **503676** Mfg. K2535-1 208/230V, 1 phase \$ **2,454.00**

Miller TIG Welder Accessories

Easy-to-Use, High-Duty Cycle Reliability

24V Constant-speed Wire Feeders 22A & 24A.

Simple to use, but built w/the strength & flexibility to handle industrial manufacturing & fabricating w/proven reliability.

- Trigger-hold control allows for prolonged, trigger-free welding
- Robust 16 ga. sheet metal housing for rough-service applications

- Gear-driven drive rolls offer smooth, positive & accurate wire feed w/long, uninterrupted service life (24A w/four drive rolls for larger wire dia.)
- On-board burnback & motor ramp control offers unmatched starting & stopping performance w/various power sources for positive arc starts
- Great for heavy- or light-duty fabrication & manufacturing
- Processes include MIG (GMAW) & flux-cored (FCAW) gas & self-shielded
- 3-yrs. mfg.'s warranty (parts & labor)

Unique to 24A Wire Feeder

- Run-in for better arc-starting performance on a variety of wires
- Remote voltage control allows parameter adjustments in weld cell or at a remote location

Wire feed speed range 75 to 750 ipm.

Electrode wire dia. capacity .023" to 5/64" (22A), 3/32" (24A).

Unit size 23-1/2"L x 10-3/4"W x 11"H. Weight 36 lbs. (22A), 40 lbs. (24A).

Includes performance-matched Bernard® Q™-Gun, 0.035/.045" drive roll & Centerfire™ contact tips.

Stk.	Mfg.	Model	Volts	Amps	Price
567106	951-190	22A	24	7.....	\$ 999.00
567107	951-193	24A	24	7.....	1,281.00

MIG Welders

MIG & Flux Cored Welding • DC, CV
Millermatic® 212 Welders

Miller 2-in-1 machine welds material from 22 ga. to 3/8" T in 1 pass. Auto-Set™ automatically sets welder to the proper parameters. Use manual mode to set weld parameters for broader applications.

- Fan-On-Demand™ cooling system

- Infinite voltage control replaces tap settings for dial in precision
- Compatible w/Spoolmatic® 15A/30A spool gun
- Line Voltage Compensation keeps welding output constant
- EZ-Access™ consumable storage w/parameter chart
- EZ-Change™ low cylinder rack eliminates lifting cylinders
- Solid-state contactor circuit makes wire electrically cold until trigger is pulled 3-yr. mfg.'s warranty
- Larger work area w/15' M-25 gun USA made

Rated output: @ 60% duty cycle 160 amps @ 24.5 VDC
@ 30% 210 amps @ 22 VDC

Output range (DC) 30-210

Wire speed range 50-700 ipm.

Unit size 30"H x 19"W x 40"D. Weight 178 lbs.

Includes 15' 250 amp M-25 MIG gun, 10' work cable w/clamp, 7' power cord & plug, Argon mix regulator/flow gauge w/hose, extra contact tips, factory-installed EZ-change low cylinder rack, .030/.035 in reversible drive roll, material thickness gauge, plus set-up & operation CD.

Stk. **566420** Mfg. 907-405 208/230V, 1 phase \$ **1,601.00**

Stk. **566979** Mfg. 951-177* 208/230V, 1 phase **2,267.00**

* Also includes Spoolmatic M-25 gun, dual cylinder rack, elevated gun & cable rack, regulator & hose.

Contact Tips. 10/pkg.

Stk. **565750** Mfg. 087-299023"/.025" \$ **14.80**

Stk. **565748** Mfg. 000-067030" **14.80**

Stk. **565749** Mfg. 000-068035" **14.80**

Welders & Accessories, cont.

MIG Welders, cont.

MIG & Flux Cored Welding • DC, CV Power MIG™ 255XT

Lincoln For light industrial shop fabrication, maintenance or repair work. Diamond Core Technology™ delivers a wide voltage sweet spot across the welding range, low spatter levels and a forgiving arc on steel, stainless and aluminum – even for out-of-position work.



Spool Gun ready for difficult aluminum jobs. 115V auxiliary power for lights, grinders and chargers. Maxtrac® drive with Split Wire Guide system and tachometer feedback ensures trouble-free wire delivery.

- Digital meters display, preset voltage & wire feed speed, actual voltage & preset wire feed speed while welding
- Free Timer Functions adds 4-step trigger interlock, spot mode, adjustable run-in speed for smoother arc starting & adjustable burn-back time to minimize wire sticking in puddle
- Mfg.'s warranty: 3-yrs. (parts & labor), 90 days (gun)

Rated output @ 40% duty cycle 250 amps @ 26V
Output range (DC)..... 30-300

Wire speed range 50-700 ipm.
Unit size 31.8"H x 18.9"W x 38.8"D. Weight 220 lbs.

Includes Power MIG® 255XT, Magnum 250LX gun (& 15' quick-connect cable assembly w/fixed gas nozzle assembly), work clamp & 10' cable, .035"/.045" drive rolls & guide for steel, gas regulator & hose kit (for CO₂ or argon blend gases).

Stk. **503690** Mfg. K2701-I 208/230V, 1 phase \$ **2,686.00**



MIG & Flux Cored Welding • DC, CV Millermatic® 180

Miller Welds up to 5/16" mild steel in 1 pass. Smooth-Start™ technology provides a smooth, spatter-free start (w/no pop-gun starts or spatter to clean up).

- Infinite voltage control
- USA made
- Uses 4" & 8" spools

- Cast aluminum feedhead w/dual groove quick-change drive roll & spring-loaded tension arm
- Tip saver short circuit protection shuts down when tip is shorted
- Thermal overload protection shuts down unit, activates temp light
- Easy access to output studs for polarity changeover
- Solid-state contactor circuit makes wire electrically cold until trigger is pulled
- Self-resetting motor protection circuit
- Wire sizes .024-.035 mild or stainless steel, .030-.045 flux cored

Rated output @ 30% duty cycle 135 amps @ 22.5VDC
Output range (DC) 30-180

Wire speed range 90-700 ipm.
Unit size 17-1/2"H x 10-5/8"W x 15-3/4"D. Weight 72 lbs.

Includes 10' M-10 Miller MIG Gun, 6' power cord & plug, 10' work cable w/clamp, Smith® Argon & AR/CO₂ mix regulator/flow gauge & gas hose, contact tips (2 for .024" wire & 2 for .030" wire), dual groove quick-change drive roll for .024" or .030/.035" wire, spool of Hobart® .030" solid wire, information/settings chart, factory-installed gas solenoid valve, Set-up & Operation video.

Requires shielding gas & safety equipment, sold separately.

Stk. **566414** Mfg. 907-312 230V, 1 phase \$ **842.00**

Contact Tips. 10/pkg.

Stk. **565750** Mfg. 087-299023"/.025" \$ **14.80**
Stk. **565748** Mfg. 000-067030" **14.80**
Stk. **565749** Mfg. 000-068035" **14.80**

Nozzle & Adapter

Stk. **566270** Mfg. 169-715 Nozzle with 1/2" dia. orifice \$ **27.50**
Stk. **566273** Mfg. 169-716 Contact Adapter **26.10**

Running Gear/Cylinder Rack. For cylinder no larger than 7" dia., 100 lbs.
Stk. **566330** Mfg. 770-187 \$ **178.00**



MIG & Flux Cored Welding • DC, CV Millermatic® 140 Auto-Set™

Miller A breakthrough control that automatically sets welder to the proper parameters. Auto-Set offers all-in-1 MIG, minus the guesswork (still set wire dia. & material thickness). 20 amp welder for light fabrication, maintenance and repair, plus auto body.

- Durable cast aluminum feedhead incorporates dual groove quick-change drive roll & spring-loaded tension arm
- Manual Mode to set weld parameters for broader applications
- Thermal overload protection shuts down unit
- Smooth-Start™ provides spatter-free starts
- Tip Saver, short-circuit protection shuts down output when tip is shorted, extends tip life & protects internal components
- Trigger permits quick reset at torch rather than unit
- Contactor circuit makes wire electrically cold until trigger is pulled
- Easy access polarity changeover
- Self-resetting motor protection
- Wire sizes: .024 - .030 mild & stainless steel; .030 - .035 flux cored

Rated output @ 20% duty cycle 90 amps @ 18VDC, 63 amps @ 21VDC
Output range (DC)..... 30-140

Wire speed range 40-500 ipm.
Unit size 15-3/4"H x 10-5/8"W x 17-1/2"D. Weight 60 lbs.

Includes 10' M-10 MIG gun & cable w/clamp, gas solenoid valve, Smith® Argon & AR/CO₂ mix regulator/flow gauge & gas hose, 6' power cord & plug, 4 contact tips (2 for .024 wire & .030 wire), dual groove quick-change drive roll (for .024 or .030/.035 wire), Hobart® .030" solid wire spool, information/settings chart, set-up & operation CD & material thickness gauge.
Stk. **566416** Mfg. 907-335 115V, 1 phase \$ **699.00**

Contact Tips. 10/pkg.

Stk. **565750** Mfg. 087-299023"/.025" \$ **14.80**
Stk. **565748** Mfg. 000-067030" **14.80**
Stk. **565749** Mfg. 000-068035" **14.80**

Nozzle & Adapter

Stk. **566270** Mfg. 169-715 Nozzle with 1/2" dia. orifice \$ **27.50**
Stk. **566273** Mfg. 169-716 Contact Adapter **26.10**

Running Gear/Cylinder Rack. For cylinder no larger than 7" dia., 100 lbs.
Stk. **566330** Mfg. 770-187 \$ **178.00**



MIG & Flux Cored Welding • DC, CV Handler® 140

Hobart Unit is ready to weld with or without shielding gas (no add'l. kit required). 25-140 amp output range easily handles a broad selection of solid mild steel or stainless, flux cored and aluminum wires.

Welds 24 ga. up to 1/4" steel. Built-in wire feeder has quick-release drive roll lever. Built-in contactor eases use and safely makes wire electrically cold when not welding. Dual groove drive rolls for easy switching between .023/.025" & .030 - .035" wire.

- 4 output voltage settings w/wire feed tracking allows quick, easy adjustment for different materials & thickness
- Easy access to polarity changeover (w/spare tip storage holes)
- Self-resetting thermal overload & motor protection

Rated output @ 20% duty cycle 90 amps @ 19VDC
Output range (DC)..... 25-140

Wire speed range 40-700 ipm.
Unit size 12-3/8"H x 10-5/8"W x 19-1/2"D. Weight 57 lbs.

Includes 10' H-10 MIG gun, built-in gas valve, regulator w/gas hose, power cord & plug, 10' work cable w/clamp, sample spool .030" self-shielded flux cored welding wire, 8" wire spool adapter, extra .030" contact tips & set-up & parts information chart.
Stk. **563200** Mfg. 500-500 115V, 1 phase \$ **560.00**

Welders & Accessories, cont.

MIG Welders, cont.

MIG & Flux Cored Welding • DC, CV Miller[®] 252 Welders

Miller Welds material from 22 ga. to 1/2" T in 1 pass. Very high output for welding longer on high-end applications.

- Large, digital front panel w/built-in digital timers menu for presetting voltage & wire feed speed (*standard run-in, pre/postflow, burnback, spot/delay "stitch" timer menu*)
- Auto Gun Detect™ allows operator to pull trigger on MIG gun, spool gun, or push/pull gun (*automatically detects & recalls voltage, wire feed speed & timer of the active gun*)
- Push-Pull Gun Direct connects directly to push-pull gun
- Angled, dual-gear driven cast aluminum drive system (*w/no-tool, quick-change reversible drive rolls & easy-to-set, scaled tension knob*)
- EZ-Change™ Low Cylinder Rack allows operator to easily roll cylinders on & off of rack w/out lifting cylinders
- EZ-Access™ Consumable Compartment & Parameter Chart to easily & correctly set weld parameters
- Active Arc Stabilizer™ for less weld cleanup
- Line voltage compensation keeps power constant
- Larger work area w/longer 15-ft M-25 gun
- Fan-On Demand™
- Mfg.'s warranty: 3-yrs. (*parts/labor*), 5-yrs. (*main power rectifier parts*)

Rated output: @ 40% duty cycle 250 amps @ 28 VDC
@ 60% duty cycle 200 amps @ 28 VDC

Wire feed speed (IPM) 50 - 700 ipm.

Unit size 30"H x 19"W x 40"D. Weight 194 lbs.

Includes 15' 250 amp M-25 MIG gun (*for .030/.035 in wire*), 10' work cable w/clamp, factory-installed gas solenoid, Argon mix regulator/flow gauge & hose, factory-installed running gear w/EZ-Change™ low cylinder rack, .030/.035 in reversible drive rolls, extra contact tips, *Set-up & Operation Interactive CD*.

Please specify voltage.

Stk. 567010	Mfg. 907-321*	200/230V, 1 phase	\$ 2,053.00
Stk. 567011	Mfg. 907-322	230/460/575V, 1 phase	2,095.00
Stk. 567060	Mfg. 951-066+	200/230V, 1 phase	3,157.00
Stk. 567059	Mfg. 951-065+	230/460/575V, 1 phase	3,212.00

* Your Midwest Best Buy! **Also includes** 10' power cord & plug.

+ **Also includes** Spoolmatic[®] 30A, dual cylinder rack, elevated gun & cable rack, regulator, hose.

Contact Tips. 10/pkg.

Stk. 565750	Mfg. 087-299	.023"/.025"	\$ 14.80
Stk. 565748	Mfg. 000-067	.030"	14.80
Stk. 565749	Mfg. 000-068	.035"	14.80

Nozzle. 5/8" orifice, flush tip.

Stk. 566271	Mfg. 169-726	\$ 21.00
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Spoolmatic[®] 30A. Industrial, well balanced spool gun w/built-in gas valve, rotatable canister & all wire dual groove drive roll. 30' cable assembly for access to hard-to-reach welds.

Roughneck[®] barrel is Bernard[®] Centerfire[®] compatible. Built-in gas valve eliminates purging long gas lines. 2-stage trigger w/gas preflow. Spool canister rotates 180°. Wire speed adjustment on handle. Reversible drive roll.

200 amp @ 100% duty cycle. Wire speed: 70-875 ipm. Spool size: 4". Wire dia. capacity: .030-1/16" aluminum wire, hard wire up to .045".

Includes 30' 10-pin cable assembly.

Stk. 565968	Mfg. 130-831	\$ 1,029.00
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Plasma Cutters

Air Plasma Cutting • DC Spectrum[®] 375 CutMate

Miller Receive 115 or 230V input plus power protection in case of incorrect switch position with this welder's dual input voltage located in back of unit. Spectrum provides full-cutting capacity when powered by most engine-driven welders with 240V auxiliary receptacles.

- Starts w/out high frequency & won't interfere w/controls or computers
- Pilot Arc Controller increases & speeds cutting capabilities
- LVC™ line voltage compensation gives peak performance power under variable conditions for steady, cleaner-ending cuts
- Power factor correction expands operator's work area via extension cords while minimizing nuisance trips caused by voltage drops
- LED indicators for pressure, power, cup & temperature allow faster troubleshooting, eliminating unnecessary downtime
- Gas/air filter/regulator inside the power source provides added protection during transportation, standard air connection on back panel for easy gas or air hookup
- Postflow cooling circuit extends the life of consumables & torch by cooling them w/postflow air after trigger release
- Ergonomic-design torch (*ICE-27C*) w/increased comfort, safety trigger & improved swirl ring & cup (*accepts consumables from ICE-25C torch*)
- Compatible w/engine-driven welders capable of cutting 3/8" to 1/2" mild steel when powered by a Miller engine driven welder w/6000 watts, 240V receptacle
- Consumables storage compartment

Rated output @ 35% duty cycle (DC) 27 amps @ 90V
Rated input 115V-28, 230V-14

Plasma gas flow/pressure 4.5 cfm @ 60 psi. Cutting capacity 3/8" steel.
Unit size 12"H x 8-1/2"W x 15-3/4"D. Weight 49 lbs.

Includes hand-held torch w/20' cable, 15' heavy-duty work cable w/clamp, 10' power cord w/115V, 20 amp plug, easy-connect, built-in gas/air filter & regulator, 3 electrodes & 3 tips.

Please specify voltage.

Stk. 566967	Mfg. 903-891	115/230V, 1 phase	\$ 1,163.00
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Stk. 566278	Mfg. 176-655	Electrodes (12 amp), 5/pkg.	\$ 40.90
Stk. 566279	Mfg. 176-656	Tips (12 amp), 5/pkg.	20.90
Stk. 566296	Mfg. 202-808	Shield Cup (25 amp)	19.80



Air Plasma Cutting & Gouging • DC 20 Plasma Cutter

Lincoln Lightweight, portable unit cuts sheet metal. Ideal inverter for Vo-Ag, HVAC, auto body, sheet metal fabrication and cutting expanded metal, stainless steel and aluminum

- No high-frequency to damage sensitive electronic equipment

- Top-mounted, easy-adjust air pressure regulator
- Uses standard compressed air
- Fan-cooled
- 1-yr. mfg.'s warranty (*parts & labor*), 90 day (*plasma torch*)

Rated output 20 amps @ 40% 10-15 amps @ 50%
Rated input 20 amps @ max. output, 15 amps @ 10-15 amps output

Plasma gas flow/pressure 3.5 cfm @ 65 psi. Cutting capacity 3/8" steel.
Unit size 12.5"H x 6.5"W x 16"D. Weight 21 lbs.

Includes cutting torch assembly w/9.5' reach, ground clamp w/8' cable, saddle-hook cable storage, power cord & plug.

Stk. 503695	Mfg. K2820-1	115V, 1 phase	\$ 1,148.00
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Weld Tester, page 415.

Welding Blankets are on page 419.

Welding Clothing keeps students safe. Pages 421-422.

Welders & Accessories, cont.

Plasma Cutters, cont.



Air Plasma Cutting & Piercing • DC Spectrum® 375 X-TREME™

Miller Compact unit has the cutting power of larger machines. It's capable of cutting steel up to 3/8" and aluminum up to 1/4" at 10 in./min. Auto-Line™ technology automatically adjusts to 115V or 230V 1-phase input voltage, and also compensates for voltage spikes and fluctuations.

Unique Multi-Voltage Plug™ (MVP) allows tool-free connection to 115V or 230V power receptacles. LVC™ line voltage compensation provides peak performance power for steady, cleaner ending cuts.

Wind Tunnel Technology™ internal air flow protects electrical components and PC boards from dirt, dust and debris. Fan-On-Demand™ cooling system. Great for HVAC, maintenance and construction work.

Highly-portable 18 lb. unit with strap includes a sturdy case for protection in transport and storage.

- LED indicators for power, pressure, cup & temperature allow faster troubleshooting
- Factory pre-set air
- Integral gas/air filter/regulator
- Starts w/out high-frequency

Rated output (DC) 27 amps @ 35% duty cycle
Rated input @ rated output 20 amps @ 120V
..... 30 amps @ 230V

Plasma gas flow/pressure 4.5 cfm @ 90 psi. Cut cap'y, 3/8" steel, 1/4" alum. Unit size 9"H x 5-1/2"W x 13-1/4"D. Weight 18 lbs. w/torch.

Includes hand-held torch (ICE-27T) w/12' cable, heavy-duty work clamp w/12' cable, 10' MVP power cord, 2 MVP plugs (115V, 15 amp & 230V, 50 amp), 3 electrodes, 3 tips, air fitting, shoulder strap & molded case.

Stk. **566418** Mfg. 907-339 115/230V, 1 phase \$ **1,241.00**



Air Plasma Cutting & Gouging • DC Spectrum® 625 X-Treme™ Plasma Cutters

Miller Auto-Refire™ Technology automatically controls the pilot arc when cutting expanded metal or multiple pieces of metal. Automatically compensates for input pressure variation to provide constant recommended torch pressure for optimum cutting performance.

LVC™ line voltage compensation provides peak performance power under variable input voltage conditions for clean, steady cuts. Wind Tunnel Technology™ prevents dust and particles from damaging internal components. Lightweight portability.

- Power factor correction saves less energy by using input power efficiently & increases productivity by reducing circuit breaker trips
- Post-flow cooling circuitry extends consumable & torch life
- Fan-On-Demand™ cooling system only operates when needed, reducing the amount of airborne dust/dirt pulled through unit
- Automatically detects consumable installation & adjusts gas pressure to optimize cutting performance (manual regulator not needed)
- Built-in gas/air filter/regulator
- Miller engine generator capability
- Non-high-frequency starting doesn't interfere w/or damage controls or computers
- LED indicators for easy troubleshooting

Rated output (DC) 40 amps @ 140V, 50% duty cycle
Amps input @ rated output 33 @ 208V, 30 @ 230V

Plasma gas flow/pressure 6 cfm @ 90 psi. Cutting capacity 5/8" mild steel. Unit size 13-1/4"W x 5-1/2"H x 9"D. Weight 23 lbs.

Includes ICE-40T hand-held torch w/12' or 20' cable, heavy-duty work clamp w/12' or 20' cable, 12' power cord, shoulder strap, molded case, plus 7-piece Consumables Kit w/3 electrodes (2 standard, 1 extended), 3 tips (2 standard, 1 extended) & deflector.

Stk. **566560** Mfg. 907-404* 208/230V, 1 phase \$ **1,541.00**

Stk. **566561** Mfg. 907-404-01-1** 208/230V, 1 phase **1,638.00**

* Includes 12' cable. ** Includes 20' cable.

Consumable Kit. 1 swirl ring, 5 standard electrodes, 5 extended electrodes, 5 extended tips, 1 drag shield, 3 gouge shields & 1 deflector.

Stk. **557575** Mfg. MW-CK \$ **259.00**



Air Plasma Cutting • DC Spectrum® 125C

Miller Built-in, piston-driven air compressor gives an "out-of-the-box, ready-to-cut" unit. Its portability makes it great for HVAC, sheet metal applications, auto body repair.

- Built-in compressor provides long life & superior airflow

- In-Rush Current Control Circuit protects against wrong voltage hookup or overload
- Constant Pilot Arc Control minimizes tip burnout by eliminating the need to restart the arc at the beginning of each new cut
- Mfg.'s warranty: 3-yrs. (parts & labor), 1-yr. (plasma torch)
- USA made
- Diagnostic lights for quick troubleshooting
- No high-frequency starts

Rated output (DC) 12 amps @ 110V
Amps input @ rated output 120V-20

Plasma gas flow/pressure 1.2 cfm @ 50 psi. Cutting capacity 1/8" steel. Unit size 13-1/2"H x 8-1/2"W x 16"D. Weight 50 lbs.

Includes built-in air compressor, ICE-12C torch w/20' cable w/clamp, 10' power cord, 2 electrodes & 2 tips.

Stk. **566395** Mfg. 907-149 115V, 1 phase \$ **905.00**

Stk. **566298** Mfg. 196-926 Tips (12 amp), 5/pkg. \$ **33.70**

Stk. **566297** Mfg. 196-925 Electrodes (12 amp), 5/pkg. **40.20**



Air Plasma Cutting • DC AirForce™ 500i

Hobart Economical unit for all conductive metals. Portable, inverter-based design features an adaptable power source either 115 or 230 VAC power using its Multi-Voltage Plug (MVP).

Full-cutting capacity when powered by most engine-driven welders with 240V receptacles. Great for HVAC, plumbing, auto body, Vo-Ag and sheet metal work. Pilot arc controller increases cutting capabilities and speeds, plus improves tip life.

- Ergonomic torch increases comfort & more efficient cooling
- Smaller heat-affected zone, less warping
- Cuts faster than oxy fuel
- LVC™ line voltage compensation
- Fan-On-Demand™
- No gas pressure settings or flame tuning needed
- USA made
- More precise cut, thinner kerf, less slag to clean up
- Power factor correction expands work area via extension cords, minimizes nuisance trips caused by voltage drops
- Wind tunnel technology protects internal components from dust, etc.
- Postflow cooling circuit extends consumable life
- Thermal overload protection withstands tough working environments

Rated output @ 35% duty cycle (DC) 27 amps @ 92VDC (240V)
..... 20 amps @ 88VDC (120V)

Rated input 15 amps @ 120V

Plasma gas flow/pressure 3 cfm @ 90-120 psi. Cut capacity 3/8" mild steel. Unit size 11-1/4"H x 8-1/4"W x 14-1/4"D. Weight 27.8 lbs. w/torch.

Includes HP-50 torch w/16.5' cable, 16.5' work cable w/heavy-duty work clamp, 10' power cord w/MVP plug (115/230 VAC), cable strap (secures torch, work cable & power cord).

Stk. **563220** Mfg. 500-548 120/240V, 1 phase \$ **1,374.00**

Welding Curtains,
see page 421.

Welders & Accessories, cont.

Spot Welders

Power for Light Fabrication & Sheet Metal Work Water-cooled Spot Welder

Miller Pneumatic water-cooled unit with output rating selections and welding up to 1/4" thickness capacity for uncoated mild steel (using 6" tongs).

- Built-in squeeze/weld timer for quick, easy setting or adjusting squeeze &/or weld time (in 100th sec.)
- Set-up/weld switch permits checking tong pressure & alignment w/out making a weld
- Quick, easy material thickness adjustment
- 10-step current control adjusts output current w/no change in duty cycle
- Easy-read LED display for timer settings
- Adjustable tong pressure for different thicknesses

Rated output @ 40% duty cycle... 12,500A @ 6", 10,500A @ 12", 9,000A @ 18"
Rated input 90 amps @ 230V
Max. Open-circuit voltage 3.55
Not recommended for welding aluminum, copper or copper alloys.

15-3/4"H x 13"W x 19"D. Weight 185 lbs.

Includes stationary welding head, remote foot switch, all-steel pedestal w/controls & timer, air filter & regulator assembly. *Requires Coolant System, for operation, sold separately below. Tongs & tips also sold separately below.*
Stk. **566972** Mfg. 903-826 \$ **4,176.00**

Coolmate™ Coolant Systems. Delivers cooling capacity for TIG torches & MIG guns rated to 600 amps. Polyethylene case & tank. 1-yr. mfg.'s warranty.

• **Coolmate 3.** 14,000 BTU/hr., 115 VAC. 3 gal. tank. Panel-mounted power switch, paddle-wheel flow indicator, external filter & easy-fill spout.
Stk. **565905** Mfg. 043-007 1 phase \$ **631.00**

• **Coolmate 4.** 15,000 BTU/hr., 115 VAC. 4 gal. tank. High-quality, 1-piece portable case w/carry handle & filler spout molded into the case.
Stk. **565900** Mfg. 042-288 \$ **701.00**

Tongs. 90° tongs w/MT #1.4-1/2"H throat. **Includes** welding tips set.
Stk. **564946** Mfg. 040-218 6" \$ **643.00**
Stk. **564947** Mfg. 040-219 12" **812.00**
Stk. **564948** Mfg. 040-220 18" **848.00**

Welding Tip. Made of RWMA Class 2 alloy.
Stk. **564951** Mfg. 040-223 \$ **18.50**

MSW & LMS Portable Resistance Spot Welders

Miller A lightweight, efficient and easy to operate unit for spot welding mild, galvanized or stainless material.

- **Hand lever locks tongs firmly on material**, providing positive, accurate fit-up while the work is welded
- **Adjustment for material thickness** is quick & easy
- **Reversible handle** for left- or right-handed operation

Tongs sold separately.

Stk.	Mfg.	Volts	Cap'y in Mild Steel	Rated Output @ 50% Duty Cycle	Price
566216	900-371	110	1/8"	1.5 KVA.....	\$ 534.00
566350	900-377	230	3/16"	2.5 KVA.....	592.00

Welders Plus Timers. **Includes** separate control panel & junction box for primary connections, on/off power switch, 0-5 sec. timer, 10' interconnecting power cord & 10' primary power cord.

566417 901-345 110 1/8" 1.5 KVA..... \$ **941.00**
566551 901-357 230 3/16" 2.5 KVA..... **1,058.00**

Spot Welder Accessories

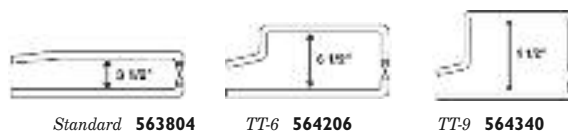
Miller

Spot Welder Pedestal. Leaves both hands free to handle the work. When foot control is depressed, tongs close & the welder switch is activated. Use w/MSW, LMSW & WT spot welders.

Stk. **565680** Mfg. 040-872 \$ **274.00**



Spot Welder Accessories, cont.



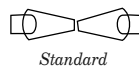
Standard **563804**

TT-6 **564206**

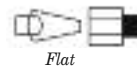
TT-9 **564340**

Spot Welder Tongs. For all MSW & LMSW Spot Welders. Model MSW-41, MSW-42, LMSW-52 & MSW "T" series.

Stk.	Mfg.	Length	Price
563804	040-197	6".....	\$ 79.10
563871	040-198	12".....	103.00
563938	040-199	18".....	130.00
564206	040-203	12".....	\$ 174.00
564273	040-204	18".....	201.00
564340	040-205	12".....	\$ 192.00
564407	040-206	18".....	221.00



Standard



Flat



MO Offset

Welding Tips

Stk. **564675** Mfg. 040-211* Standard Tip \$ **18.60**
Stk. **564742** Mfg. 040-212* Flat Tip **19.50**
Stk. **564943** Mfg. 040-215 MO Offset Tip **51.10**

* Standard or flat tips may be used on all tongs except MO, FH or FF.

Oxy-Acetylene Welding Kits

CutSkill® Medium-Duty Outfit

Victor Welding and cutting oxygen/acetylene unit. Features built-in flashback arrestors and check valves.

Includes oxygen regulator, acetylene regulator, welding torch handle, hose (3/16" x 20'), striker, cutting attachment, #1 welding nozzle, #3 cutting tip, goggles & tool box.

Stk.	Mfg.	Welding Capacity	Cutting Capacity	Price
405617	0384-2500	5/64"	1/2".....	\$ 342.00



Shop Flame II Torch Kit

Forney Medium-duty oxygen/acetylene unit. Precision engineered and designed for trouble-free performance. Features built-in reverse flow check valves.

Includes oxygen regulator, acetylene regulator, welding torch handle, cutting attachment, universal mixer, #1 cutting tip, #1 welding tip, check valves, striker, hose (3/16" x 20') & goggles.

Stk.	Mfg.	Welding Capacity	Cutting Capacity	Price
409900	01505	3/32"	3/4".....	\$ 258.00



Commander Torch Kit

Forney Heavy-duty, Victor-type unit for big jobs. Components feature quality, sturdy construction to meet the demands of heavy-duty welding.

Includes oxygen regulator, acetylene regulator, welding torch handle, cutting attachment, universal mixer, #1 cutting tip, #1 welding nozzle, check valves, hose (1/4" x 25' twin) & goggles.

Stk.	Mfg.	Welding Capacity	Cutting Capacity	Price
409903	01511	3/16"	3/4".....	\$ 474.00



Welding Accessories & Supplies, cont.

Firepower

Soapstone & Holder. Chalk for marking metal. 5"L x 1/2"W x 3/16".
 Stk. **405630** Mfg. 1423-0095 Soapstone, 6/pkg. **\$ 4.22**
 Stk. **405632** Mfg. 1423-0097 Holder **3.64**

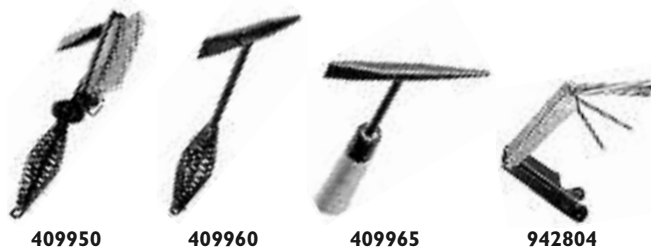
Brazing & Welding Rods

1/8" Bronze Rod. For general brazing. Highest quality flux-coated low-fuming bronze.
 Stk. **405740** Mfg. 1440-0430..... 36"L, 5 lb. **\$ 122.00**

Asst. Brass Rods. For gas welding. 14/pkg. Six 3/32" rods & eight 1/8" rods.
 Stk. **942806** Mfg. 48493..... 18"L, 1 lb. **\$ 19.50**

3/32" Mild Steel Rod. For gas welding. High strength steel w/copper coating.
 Stk. **405741** Mfg. 1440-0433..... 36"L, 10 lb. **\$ 73.60**

All-purpose Brazing Flux. For use w/oxy-acetylene or arc torch, in the general brazing of steel, malleable iron, cast iron & galvanized metals. Also use when fusion welding copper, brass, bronze & other copper alloys. Cleanses the metal & readily dissolves any oxides that may be present or formed during brazing. Oxides form a low melting point, fusible slag, permitting the filler metal to flow freely & form a nonporous, oxide-free weld.
 Stk. **942870** Mfg. 30018..... 1/2 lb. can **\$ 6.09**



Forney Weld Cleaning Tools. For fast, clean & easy slag removal. Hammer heads are high carbon steel with a flat chisel. Wide blade removes slag faster & prolongs tool life.

Brush & Chipping Hammer. Impact resistant handle & steel wire brush for cleaning. Brush is removable, reversible & replaceable. Loop in handle for belt hook. 1.3 lbs.

Stk. **409950** Mfg. 32405..... 12"L **\$ 9.98**
 Stk. **969323** Mfg. 44070 Brush Refill **4.03**

Straight Head Chipping Hammer. Shockproof handle w/loop for belt hook. Painted black. 1 lb.

Stk. **409960** Mfg. 32400..... 10-1/2"L **\$ 6.20**

Chipping Hammer. Straight head & wood handle. Painted black. 9 lbs.

Stk. **409965** Mfg. 32402..... 10-1/2"L **\$ 8.49**

Tip Cleaner Kit. Fits all tip sizes. Includes file & 13 sizes (6-26).

Stk. **942804** Mfg. 30244..... **\$ 4.58**

Shurlite Single Flint Lighters

Universal Round File Lighter. Under the hood is the round file that spins & always assures a fresh spark.

Stk. **795100** Mfg. 3001 **\$ 2.69**
 Stk. **795102** Mfg. 3011X..... Single Flint Renewal, 5/pkg. **1.44**

Flat File Lighter. Constructed using a round cup design. Allows user to replace the flint when necessary.

Stk. **795098** Mfg. 1501 **\$ 2.11**
 Stk. **795102** Mfg. 3011X..... Single Flint Renewal, 5/pkg. **1.44**

Shurlite Tri-flint Lighter. Made of heavy-duty steel band w/3 flints attached. Triangular design provides 3x the use before renewing flints.

Stk. **795110** Mfg. 4501 **\$ 4.47**
 Stk. **795115** Mfg. 5012X..... Tri-Flint Renewal, 4/pkg. **3.35**



Firepower Arc Welding Electrodes

Premium AWS Class E 6011. Welds through rust, scale, oil & dirt.
 • Use when unable to prepare the welding surface
 • Deep penetration
 • 60,000 psi tensile strength
 • AC or DC, either polarity
 • All position electrode

Stk.	Mfg.	Rod Size	Box Size	Price
405650	1440-0096	5/32"	5 lbs.	\$ 17.70
405652	1440-0098	5/32"	50 lbs.	157.00
405656	1440-0106	1/8"	5 lbs.	\$ 17.00
405658	1440-0108	1/8"	50 lbs.	154.00
405662	1440-0116	3/32"	5 lbs.	\$ 19.40
405664	1440-0118	3/32"	50 lbs.	176.00

Premium AWS Class E 6013. Designed for general purpose use.

• Best used w/clean or prepared welding surface
 • Medium to shallow penetration
 • 60,000 psi tensile strength
 • AC or DC, either polarity
 • All position electrode

Stk.	Mfg.	Rod Size	Box Size	Price
405670	1440-0125	5/32"	5 lbs.	\$ 17.80
405672	1440-0127	5/32"	50 lbs.	152.00
405676	1440-0135	1/8"	5 lbs.	\$ 16.70
405678	1440-0137	1/8"	50 lbs.	144.00
405682	1440-0146	3/32"	5 lbs.	\$ 19.00
405684	1440-0148	3/32"	50 lbs.	156.00

Premium AWS Class E 7014. Iron-powder type electrodes designed for high deposition (deposit) & high electrode travel speed.

• Best used w/clean or prepared welding surface
 • Medium to low penetration
 • 70,000 psi tensile strength
 • AC or DC, either polarity
 • All position electrode

Stk.	Mfg.	Rod Size	Box Size	Price
405690	1440-0151	5/32"	5 lbs.	\$ 20.90
405692	1440-0153	5/32"	50 lbs.	192.00
405700	1440-0201	1/8"	5 lbs.	\$ 19.90
405702	1440-0203	1/8"	50 lbs.	182.00
405706	1440-0206	3/32"	5 lbs.	\$ 21.70
405708	1440-0208	3/32"	50 lbs.	186.00

Premium AWS Class E 7018. Low-hydrogen type electrodes designed to produce X-ray quality welds.

• Best used w/clean or prepared welding surface
 • Medium penetration
 • 70,000 psi tensile strength
 • AC or DC, either polarity
 • All position electrode

Stk.	Mfg.	Rod Size	Box Size	Price
405696	1440-0186	1/8"	5 lbs.	\$ 17.60
405697	1440-0188	1/8"	50 lbs.	142.00

Firepower MIG Welding Wire. Best used w/clean or prepared welding surface. Requires a shielding gas. DC reverse polarity.



Stk.	Mfg.	Wire Size	Spool Size	Price
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Premium AWS Class ER 70S-6. For general purpose MIG welding on mild steel.

405711	1440-0215	.030"	2 lbs.	\$ 11.50
405715	1440-0220	.035"	2 lbs.	9.63
405712	1440-0216	.030"	11 lbs.	\$ 44.40
405716	1440-0221	.035"	11 lbs.	41.70
405713	1440-0217	.030"	33 lbs.	\$ 70.60
405717	1440-0222	.035"	33 lbs.	105.00

Premium AWS Class ER 5356. For aluminum MIG welding.

405720	1440-0240	.030"	1 lb.	\$ 16.50
405721	1440-0241	.035"	1 lb.	16.10

Forney Electrode Holder. Heavy-duty electrode holder for most arc welding jobs.



Stk.	Mfg.	Amps	Electrode	Cable	Length	Price
942895	32411	300	3/32" to 3/16"	up to #1	10-1/2"	\$ 21.90

Welding Access. & Supplies, cont.

Forney Ground Clamp. Good positive connection clamp w/wide jaw openings.

Stk.	Mfg.	Amps	Electrode	Cable	Length	Price
942896	32416	300	up to 1-3/4"	2	8-1/4".....	\$ 8.43



Durham Welding Electrode Cabinet.

Made of prime rolled cold steel w/interlocking construction. Holds welding rods up to 18"L. Six compartments each measure 4"H x 5-1/4"W. Gray baked enamel.



Stk.	Mfg.	Overall Size (W x H x D)	Price
345100	921-95	16-1/8" x 8-1/8" x 18-1/2".....	\$ 94.00



Greene

Welding Positioner. 42" high, for out of position welding. Use with arc & gas welding. All welded construction. Black color.

Stk.	Mfg.	For Welding Table Type	Price
433615	GWP-1	grouted tables.....	\$ 250.00
433624	GWP-2	grate-top tables....	214.00

Weld Tester. Loads & deforms weld samples in a controlled manner w/8,000 psi applied pressure. All-welded construction.

- 6"W x 8"D x 12-1/2"H
- 2-1/4" bending radius
- 1" bending rollers
- 1" solid steel bending pin
- Produces 6" stroke distance
- Cross-sectional test capacity 5/8" thick x 2" x 10"L
- Mesh steel flip-away safety deflection guard
- Federal safety green color



Stk. **433797** Mfg. GBT-9000.G. \$ 1,035.00



Harper Cylinder Trucks. Continuous handle model safely transports a 7-1/2" oxygen & 9-1/4" acetylene cylinder combination. Semi-pneumatic rubber tires w/smooth operating ball bearings.

Bracket chain 24"H. Base plate 9" x 18". Overall size 22-3/4"W x 39-1/2"H.

Includes tool box.

Stk. 618710	Mfg. 150-15.....	10" dia. tires	\$ 252.00
Stk. 618711	Mfg. 150-25.....	12" dia. tires	271.00

Nicholson

Welder's File Set. Files will cut steel, wood, plastic, leather & rubber.

Includes two 12" half round bastard files, 12" flat bastard file, two 10" mill bastard files & wire brush.

Stk. **543844** Mfg. MWF-2 6-piece set \$ 72.00



Clamps

Jorgensen Hold-down Clamps. Not limited to bench or table edge since a countersunk hole is bored to accommodate the bolt that engages the clamp frame. Work surface is free from obstruction when the clamp is removed. Turns to any angle on work surface. Provides positive protection from spatter or other damage in welding service with a shielded screw.

Stk. 192110	Mfg. 1623.....	3" capacity	\$ 19.30
Stk. 192111	Mfg. 1623-S.....	2-3/4" capacity	48.00



Magnetic Holding Clamps



General For holding ferrous metals at fixed angles for clamping or welding application. Permanent ceramic magnet will not lose magnetism & is held between 2 steel plates for added strength.

- Provides fixed 90°, 75°, 45° & 30° angles

• Painted surface prevents rust • Ideal for industrial applications
Stk. **418610** Mfg. 377 \$ 15.50



Forney Multi-purpose magnet holds sheets & tubes at 45°, 90° & 135° angles freeing up welder's hands. 1" thick.
Stk. **409980** Mfg. 70715... 4-13/16"H x 7-1/2"W \$ 10.80
Stk. **409981** Mfg. 70716..... 3-1/4"H x 4-3/4"W 5.72

Jorgensen Shielded Welder's Clamps. Steel shield protects threads from welding spatter.

Stk.	Mfg.	Opening	Throat Depth	Price
191884	126-S	5-3/4"	3-1/4".....	\$ 65.50
191888	128-S	7-5/8"	4-1/2".....	82.00



Locking Sheet Metal Clamps

WISE-GRIP

Stk.	Mfg.	Length	Jaw Opening	Throat Depth	Price
619201	8R	8"	3-1/8"	1-3/4".....	\$ 19.20



Crescent Rust resistant, nickel-plated finish. Max. jaw opening meets ASME standards. Precisely machined ferrule for fine jaw adjustment. Compound action for powerful non-slip locking grip.

Stk.	Mfg.	Length	Jaw Opening	Throat Depth	Price
310636	C8SMV	8"	3/4"	1-11/16".....	\$ 17.70



Pony Tempered & hardened, drop-forged alloy steel. Precision jaws. Nickel finish.

Stk.	Mfg.	Length	Jaw Opening	Throat Depth	Price
193300	11-410	10"	1-1/2"	3".....	\$ 12.50



WISE-GRIP Locking Panel Clamp.

Straight-line motion allows more access to work area for quick clamping & alignment of auto body panels.

Stk.	Mfg.	Length	Jaw Opening	Throat Depth	Price
619495	9AC	—	3/8"	7/32".....	\$ 22.30



Locking C-Clamps



619268



619408

WISE-GRIP Powerful locking mechanism. Jaws open wide. Guarded release for fast, safe work. Adjusting screw allows exacting pressure. Locks work w/the squeeze of 1 hand. Tough high-grade, heat-treated alloy steel.

Stk.	Mfg.	Length	Jaw Opening	Throat Depth	Price
Without swivel pads.					
619070	6R	6"	2"	1-1/2".....	\$ 12.10
619402	11R	11"	4"	2-5/8".....	20.40
619455	18R	18"	8"	9-1/2".....	29.90

Without swivel pads. Throat width 7-1/2".

619492	18DR	18"	7-1/2"	9-1/2".....	\$ 33.50
With swivel pads. Workpiece is protected by pads.					
618996	4SP	4"	1-5/8"	1-1/4".....	\$ 12.00
619075	6SP	6"	2-1/8"	1-1/2".....	13.60
619408	11SP	11"	4"	2-5/8".....	22.00
619460	18SP	18"	8"	9-1/2".....	30.70

Welding clamp locking tool. U-shaped for visibility & working space. Holds work in proper alignment.

619268	9R	9"	1-5/8"	2-3/4".....	\$ 22.80
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Welding Accessories & Supplies, cont.

Locking C-Clamps, cont.



310632



310637

Crescent Rust resistant, nickel-plated finish. Maximum jaw opening meets ASME standards. Precisely-machined ferrule for fine jaw adjustment. Powerful, non-slip compound lock grip allows easy positioning of workpiece.

Stk.	Mfg.	Length	Jaw Opening	Throat Depth	Price
Without swivel pads.					
310632	C6CCV	6"	2"	1-5/8"	\$ 12.20
310634	C11CCV	11"	4"	3-1/16"	19.30

With swivel pads. Workpiece is protected by pads.

310633	C6CCSV	6"	2-1/8"	1-1/2"	\$ 13.20
310635	C11CCSV	11"	4"	2-3/4"	21.00

Locking welding clamp. Open design for clear welding access.

310637	C9W	9"	1-1/2"	2-5/16"	\$ 21.60
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WISE-GRIP Fast Release™ is 2x easier to open, has no-pinch release & more finger room. Wide opening jaws for greater clamping versatility. Turn screw to adjust pressure & fit work, stays adjusted for repetitive work. Durable high-grade, heat-treated alloy steel.



Stk.	Mfg.	Length	Max. Opening	Throat Depth	Price
619345	17T	6"	0 - 2-1/8"	1-1/2"	\$ 13.30
619462	19T	11"	0 - 3-3/8"	2-5/8"	22.50

Eliminate Moisture for Better Welds Bench/Floor Electrode Ovens

Phoenix Stabilize electrodes with these Type 300 circular-shaped ovens that promote even heat distribution while natural air currents direct moisture toward the vent at the top of the door. Tubular, metal-sheathed twin heating elements clamp to upright struts on the bottom of oven, providing fast easy heat without danger of shorting.



- Adjustable thermostatic control w/indicator light for variable temps
- Single-action door latch opens easily, closes positively, can be locked
- 2" glass fiber batt insulation for minimal heat loss
- Aluminized steel interior prevents corrosion
- Easy maintenance

Heating elements (2) 1,000 watts. Temperature range 100° to 550°. Capacity 350 lbs. Size of electrode handled 10" to 18".

Unit size (inside) 18" dia. x 19" deep, (outside) 29-1/2" x 22-1/2" x 22-1/2". Unit weight 90 lbs.

Includes 6 shelved compartments (removable for wire rolls), 10' three-wire cord w/plug (120V only).

Please specify voltage.

Stk.	Mfg.	Volts	Hz.	Phase	Price
618705	12002	120	50/60	1	\$ 1,354.00
618700	12001*	240/480	50/60	1	1,569.00

* Cord is supplied w/out a plug.

Stacking Ovens. Above ovens w/factory-installed stacking lugs to bolt to the feet of any Type 300 oven.

Stk. 618706	Mfg. 12002-2	120V stacking oven	\$ 1,537.00
Stk. 618701	Mfg. 12001-2*	240/480 stacking oven	1,746.00

* Cord is supplied w/out a plug.

Welding Handshields

sellstrom Designed for comfort and safety when used in either hand. Cover cap included for the unused hand hold opening to protect from sparks and infrared radiation. Offers quick filter plate replacement.



Includes 2" x 4-1/4", shade 10 lens & clear cover plates.

Meets ANSI Z87.1-2003 standard.

Stk. 772536 Mfg. 25000-10 shade 10 lens \$ 14.60

Protective Eyewear

sellstrom All eyewear meet ANSI Z87.1-2003 standards.

* Some provide additional protection.

B5™

High-impact, adjustable frame. Clear anti-scratch UV absorbing polycarbonate lens provide high-impact strength and optical clarity for industrial work. Clear lens for indoor/outdoor work in low light conditions. Shade 5 IR for welding, medium to heavy torch soldering, brazing and cutting operations.



* Provides 99.9% UV & shade 5 protection.

Stk.	Mfg.	Frame	Lens	Each	24 or More!
772498	74701	black	clear	\$ 4.63	\$ 4.15
772499	74751	black	shade 5	8.12	7.30

Welding Goggles

sellstrom All goggles meet shade 5 & ANSI Z87.1-2003 standards.

Lens Cover Goggle

Tough vinyl, flexible green PVC goggle. Comfortable, well ventilated goggles with 50mm lenses.



Stk.	Mfg.	Vent	Lens	Price
772640	85250	direct	shade 5	\$ 7.93

Odyssey® II Shade 5 Cutting Goggle

Ultra comfortable, soft black goggle body with soft flange on top/bottom for a secure, snug seal. Indirect vents on top/bottom protecting against liquids and dust while permitting indirect ventilation. Easy-adjust cloth flame-retardant strap. Extra-wide peripheral vision. Fits over prescription eyewear.



Stk.	Mfg.	Vent	Lens	Price
772729	80211	indirect	shade 5	\$ 13.20

Lift front Plate Goggle

Flexible green PVC goggle with a hinged lift front for easy viewing of work. Replaceable 2" x 4-1/4" lift front lens. Uses standard size filter, cover, impact and magnifier plates.



Stk.	Mfg.	Vent	Lens	Price
772633	85550	direct	shade 5	\$ 10.10

Plate Goggle

A tough, flexible green PVC goggle with good ventilation and a light-tight fit. Replaceable 2" x 4-1/4" lens. Uses standard size filter, cover, impact & magnifier plates.



Stk.	Mfg.	Vent	Lens	Price
772639	85450	direct	shade 5	\$ 8.78

sellstrom Welding Goggle Replacement Lens. IR/PC polycarbonate welding lens. 2" x 4-1/4".

Stk. 772559 Mfg. 16605 shade 5 lens \$ 2.72

Welding Helmets

Caution: glasses or goggles must be worn whenever using welding helmets. Impact-resistant plates **are not** unbreakable & **do not** provide extraordinary protection against flying particles, splash, spray & spatter.

Helmets without Lenses

280 Traditional Style Series

Super Kool Helmet

sellstrom Lightweight, silver-coated nylon helmet is 30% cooler. Sheds spatter without burning. Features Sel-Snap™ retention system and uses standard size filter, cover, impact and magnifier plates. Drop down ratchet headgear.

Requires lens, sold separately.
Meets ANSI Z87.1-2003 standard.

Stk. **772574** Mfg. 28311 2" x 4-1/4" lift front **\$ 53.10**



Super Tuff Black Nylon Helmet

sellstrom State-of-the-art performance in a traditional style helmet. Features Sel-Snap™ retention system and uses standard size filter, cover, impact and magnifier plates. Drop down ratchet headgear.

Requires lens, sold separately.
Meets ANSI Z87.1-2003 standard.

Stk. **772609** Mfg. 28501 2" x 4-1/4" fixed front **\$ 36.10**

Trim Compact Design for Confined Areas

290 Super Slim Style Series

Super Slim, Super Kool Helmets

sellstrom Silver-coated nylon helmets are lighter than fiberglass, yet virtually indestructible. Super Kool coating makes helmet cooler and sheds welding spatter without burning. Rigid bib deflects welding spatter from chest area and improves helmet rigidity. Extended crown for greater overhead protection. Drop down ratchet headgear with absorbent sweat-band. Sel-Snap™ retention system.

Requires lens, sold separately. Meets ANSI Z87.1-2003 standard.

Stk. **772580** Mfg. 29311 2" x 4-1/4" lift front **\$ 49.50**

Stk. **772582** Mfg. 29511 2" x 4-1/4" fixed front **39.40**

Stk. **772606** Mfg. 29911 4-1/2" x 5-1/4" fixed front **40.60**



Tough, Space Age Protection - Every Welder's Dream Titan™ Welding Helmet

sellstrom Balanced, ergonomically crafted and lightweight, helmet offers efficient, comfortable welding. Made of a durable, heat-resistant material with contours that redirect spatter away from cover plate and bib. Provides excellent ventilation and range of head movement.

- Accommodates standard half-mask respirator w/N95 filters
- Super tough thin shell reduces welder's neck stress & fatigue
- Increased visibility
- Front loading lens system
- Smooth reduced helmet slam-down
- Built-in, adjustable magnifier holder
- Hard hat connection capabilities
- Easy adjusting knobs

Requires lens, sold separately. Meets ANSI Z87.1-2003 standard.

Stk. **772805** Mfg. 24401 5-1/4" x 4-1/2" fixed front **\$ 45.50**

Welding Gloves,
see pages 422-423.

Advantage Polyethylene Helmets

sellstrom Comfort, protection and quality welding helmets at great prices. Its super slim compact size is ideal for working in tight spaces, yet uses standard size filter, cover, magnifier and impact plates. Made of high-durability lightweight H.D. polyethylene. Ratchet headgear. Charcoal color. Sel-Snap™ retention system.

Includes clear plate.

Requires lens, sold separately. Meets ANSI Z87.1-2003 standard.

Stk. **772801** Mfg. 23501 2" x 4-1/4" fixed front **\$ 23.10**

Stk. **772802** Mfg. 23901 4-1/2" x 5-1/4" fixed front **24.20**



Helmets with Lenses

290 Series Super Slim, Super Kool Helmet w/Phantom® Filter Lens

sellstrom Silver-coated nylon helmet is lighter than fiberglass, yet virtually indestructible. Features Phantom Filter, the world's fastest switching speed module powered by batteries. Filter has constant protection from ultraviolet and infrared light. Ratchet headgear. Sel-Snap™ retention system.

Includes Phantom Filter Lens. Requires AAA batteries, sold separately.

Meets ANSI Z87.1-2003 standard.

Stk. **772589** Mfg. 29711-70 4-1/2" x 5-1/4" Phantom Filter **\$ 261.00**

Stk. **687734** Mfg. AAA. . . Duracell Alkaline AAA Batteries, 4/pkg. **5.85**



Solar-powered Helmets Offer Constant UV/IR Protection

Advantage Polyethylene Helmets w/Striker™ Module Fixed Shade 10 Lens

sellstrom Solar-powered, ultra-thin Advantage design offers constant UV/IR protection. Affordable helmet with auto darkening welding filter. Lightweight, universal-fit helmet with quick, easy installation. 2-yr. mfg.'s warranty.

Includes Striker Module Fixed Shade 10 Lens.

Meets ANSI Z87.1-2003 standard.

Stk. **772532** Mfg. 23501-400 2" x 4-1/4" fixed front **\$ 123.00**

Stk. **772533** Mfg. 23901-401 4-1/2" x 5-1/4" fixed front **123.00**



Solar-powered Auto-darkening Helmet Trident™ Old Glory Helmet

sellstrom Solar-powered Impulse MagSense™ auto-darkening filter provides immediate, flicker-free protection for eyes and skin against UV/IR emissions, heat, sparks and spatter in both light and dark states.

- MagSense™ filter's optical & magnetic sensors also provide fail-safe, hands-free use for efficient, quality welding w/less fatigue

- Sleek, light, ergonomic design is ideal for all welding applications
- Quick-release ratchet headgear suspension allows adjustments in size & tightness w/the turn of a knob, to release, pull the knob
- Extended crown for overhead protection
- Quality materials combine w/a stylish, colorful USA flag design
- Rigid bib deflects welding spatter
- 3-yr. mfg.'s warranty

Includes variable shade auto-darkening 9 - 13 lens & ratchet headgear.

Meets ANSI Z87.1-2003 standard.

Stk. **772803** Mfg. 41200GL-611 1.6" x 3.8" fixed front **\$ 214.00**



Welding Helmets, cont.

Caution: glasses or goggles must be worn whenever using welding helmets. Impact-resistant plates **are not** unbreakable & **do not** provide extraordinary protection against flying particles, splash, spray & spatter.

Helmets with Lenses, cont.

Arc Armor™ Series Helmets

Miller Balanced, ergonomical lightweight helmets offer efficient, comfortable welding. Durable, heat-resistant material with contours to deflect spatter away from cover plate and bib. Excellent ventilation and range of head movement.

- Fits standard half-mask respirator w/N95 filters
- Ratchet-style head gear w/precise control
- Reduced neck fatigue
- Front loading lens system
- Sensitivity/delay
- 2-yr. mfg.'s limited warranty
- Great visibility
- Hard hat connection



566230



566232



566231

Pro-Hobby Helmets

Miller Helmets for light-duty applications feature 20 amp TIG rating.

- Variable shade lens #8 - #12 & #3 (neutral)
- Manual on/auto-off
- 1/12,000th sec. switching speed
- 2 arc sensors
- Slow/fast delay control
- 1-9/16" x 3-7/8" fixed front lens

Includes magnifying lens holder 5 outside & 2 inside cover lenses, head-gear comfort cushion & 2 AAA batteries.

Meets ANSI Z87.1-2003 standard.

Stk. 566230	Mfg. 231-404	Black	\$ 134.00
Stk. 566232	Mfg. 231-405	American Eagle™ II	151.00
Stk. 566231	Mfg. 231-407	Camouflage	151.00
Stk. 687734	Mfg. AAA	Duracell AAA Battery, 4/pkg.	\$ 5.85



566233



566234



566235

Performance Helmets

Mid-range helmets for all applications feature 5 amp TIG rating and quick-release front cover lens assembly.

- Variable shade lens #8 - #13 & #3 (neutral)
- Auto-on/auto-off & grind mode
- 1/20,000th sec. switching speed
- 3 arc sensors
- 0.10 - 1.0 sec. delay control
- 1-7/8" x 3-7/8" fixed front lens

Includes magnifying lens holder, 5 outside & 2 inside cover lenses, head-gear comfort cushion, lithium battery & helmet bag.

Meets ANSI Z87.1-2003 standard.

Stk. 566233	Mfg. 232-035	Black	\$ 206.00
Stk. 566234	Mfg. 232-036	America's Eagle™	223.00
Stk. 566235	Mfg. 232-039	Motosports™	223.00



Headgear Ratchet

sellstrom Drop down ratchet headgear for all Sellstrom welding helmets.

Stk. **772568** Mfg. 27001 **\$ 19.90**

Leather Beanies

Steiner Extra protection for your head from welding sparks. Made from split cowhide and sewn with Kevlar® thread.



Stk. 885198	Mfg. 12197	medium	\$ 17.10
Stk. 885199	Mfg. 12198	large	17.10

Insure Student UV & IR Safety

Auto Darkening Welding Filters

Solar-powered Super-quick Change Protection Impulse™ Auto Darkening Filter



sellstrom Solar-powered protection for eyes and skin against UV/IR emissions, heat, sparks and spatters while in both light and dark states. When striking an arc, the filter automatically darkens providing hands-free use for faster, more efficient welding with better quality and less fatigue.

- Switching speed up to 0.3 ms.
- UV/IR protection 14
- Opening delay 0.25 sec.
- Opto-Detection system
- Light shade 3
- Dark shade 10
- 3-yr. mfg.'s warranty
- Solar- or light-powered

Overall size 2" x 4.25" x 0.2". Viewing area 1.4" x 3.5".

Meets ANSI Z87.1-2003 standard.

Stk. 772514	Mfg. 27600	2" x 4-1/4"	\$ 106.00
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Affordable Solar-powered Safety Filter with Fixed Shade 10 Striker™ Filters



sellstrom Solar-powered filter with dual sensors. Provides full hands-free protection against UV/IR emissions in all shades and in off position. Also protects eyes and skin against heat, sparks and spatters.

- Switching speed up to 1.0 ms.
- 3.43" x 1.30" viewing area
- Fits all standard helmets
- Increases welding speed & accuracy
- Light shade 3, fixed shade 10
- 2-yr. mfg.'s warranty
- Quick install

Meets ANSI Z87.1-2003 standard.

Stk. 772534	Mfg. 27400	2-1/2" x 4-1/4"	\$ 94.40
Stk. 772518	Mfg. 27401	4-1/2" x 5-1/4"	94.40
Stk. 772515	Mfg. 27402	5-1/4" x 4-1/2"	130.00

Welding Helmet Plates & Lenses

sellstrom Cover Plates & Retainers

Clear Glass Cover Plates

Stk. 772500	Mfg. 19602	2" x 4-1/4"	\$ 1.41
Stk. 772510	Mfg. 19604	4-1/2" x 5-1/4"	2.14

Clear Plastic Cover Plates

Stk. 772504	Mfg. 19002	2" x 4-1/4"	\$ 1.06
Stk. 772512	Mfg. 19004	4-1/2" x 5-1/4"	2.69

Sel-Snap™ Retainers

Stk. 772572	Mfg. 27101	2" x 4-1/4"	\$ 3.27
Stk. 772573	Mfg. 27104	4-1/2" x 5-1/2"	3.71

sellstrom Welding Lenses

Polycarbonate Welding Lenses for Helmets. Shade 10.

Stk. 772505	Mfg. 16610	2" x 4-1/4"	\$ 3.15
Stk. 772513	Mfg. 16710	4-1/2" x 5-1/4"	8.06

Gold-coated Plastic Welding Lenses for Helmets. Shade 10.

Stk. 772561	Mfg. 18510	2" x 4-1/4"	\$ 10.20
Stk. 772569	Mfg. 18710	4-1/2" x 5-1/4"	18.50

Welding Clothing. Pages 421-422.

Respirators



Savings & Comfort with Maximum Protection Half-mask Respirators

3M Economical, lightweight respirators can be disassembled, cleaned and reused. Features soft thermoplastic elastomer facepiece, good visibility and easy-adjust head straps.

Use to protect students from a variety of gases, vapors and particulate hazards (including petrochemical, chemical manufacturing, construction, transportation & electronics). When properly fitted, helps provide respiratory protection from certain organic vapors at concentrations up to 10x the Permissible Exposure Limit (PEL).

Meets NIOSH standards. **2 filters required for each mask, sold separately.**
Stk. **942682** Mfg. 6200 medium facepiece **\$ 14.40**
Stk. **942683** Mfg. 6300 large facepiece **14.40**



Organic Vapor Cartridge. Meets NIOSH 42 CFR Part 84 standard. **2 filters required for each mask.**
Stk. **942684** Mfg. 6001 2/pkg. **\$ 12.30**

sellstrom Respirator Wipes. Individually packaged wipes keep respirator safe & clean. Each easy-to-use nonalcohol tow-elette measures 5-1/4" x 7-1/2". Self-dispensing box, containing 100 towelettes, can rest on counter or hang on wall.

Stk. **772529** Mfg. 22185 **\$ 7.99**



Faceshields

Caution: glasses or goggles must be worn whenever using faceshields. Impact-resistant shields **are not unbreakable & do not provide extraordinary protection against flying particles, splash, spray & spatter.**

sellstrom

Clear Window Faceshield w/Ratchet Headgear & Chin Protection

Durable faceshield features extra safety with top and bottom molded plastic caps. Drop-down ratchet headgear and 7" x 19" x .040" clear window are included. High-impact spark guard, anti-warp design.

Meets ANSI Z87.1-2003 standard.

Stk. **772595** Mfg. 38110 **\$ 32.70**
Stk. **772593** Mfg. 36000 Replacement Window **10.70**



Fog-free Window Faceshield w/Ratchet Headgear

Plastic crown and ratchet headgear with clear Sta-Clear™ fog free window. Easy-to-replace acetate faceshield is chemical splash resistant and measures 8" x 12" x .040". High-impact spark guard, anti-warp design.

Meets ANSI Z87.1-2003 standard.

Stk. **772575** Mfg. 39140 **\$ 26.40**
Stk. **772591** Mfg. 35040 12" Replacement Window **9.45**
Stk. **772597** Mfg. 35140 16" Replacement Window **11.70**



Infra-Guard™ Window Faceshield w/Ratchet Headgear

Excellent protection from infrared and ultraviolet rays with a wide viewing area. Comes with plastic crown, ratchet headgear and 8" x 12" x .060" IR shade 5 window. High-impact spark guard, anti-warp design.

Meets ANSI Z87.1-2003 standard.

Stk. **772576** Mfg. 39150 **\$ 36.10**
Stk. **772594** Mfg. 35050 12" Replacement Window **14.00**
Stk. **772583** Mfg. 35150 16" Replacement Window **22.90**



Faceshields, cont.

Caution: glasses or goggles must be worn whenever using faceshields. Impact-resistant shields **are not unbreakable & do not provide extraordinary protection against flying particles, splash, spray & spatter.**

sellstrom

Headgear Styles for Just the Right Fit

Clear Window Faceshields w/Ratchet or Positive Lock Headgear

Maximum comfort is available with either the Ratchet or Positive Lock style headgear. Ratchet adjusts with the turn of a knob while wearing the headgear. Positive Lock features 2 snap-in locking headgear straps that adjust independently to ensure a tight fit. High-impact spark guard, anti-warp design. Clear window measures 8" x 12" x .040".



Meets ANSI Z87.1-2003 standard.

Stk. **772641** Mfg. 39010 positive lock headgear w/window **\$ 17.70**
Stk. **772644** Mfg. 39000 positive lock headgear w/out window **11.10**
Stk. **772598** Mfg. 39110 ratchet headgear w/window **\$ 24.80**
Stk. **772596** Mfg. 39100 ratchet headgear w/out window **18.10**
Stk. **772590** Mfg. 35000 12" Clear Replacement Window **\$ 7.28**
Stk. **772496** Mfg. 35100 16" Clear Replacement Window **9.58**
Stk. **772592** Mfg. 35020 12" Green Replacement Window **6.74**

Advantage™ 301 Faceshield w/Ratchet Headgear

Durable aluminum-bound polycarbonate faceshield for extreme impact strength. Ratchet headgear with soft brow pad and gray ABS crown. Easy-to-replace clear, non-glare window is 8" x 15-1/2" x .040".

Meets ANSI Z87.1-2003 standard.

Stk. **772730** Mfg. 30110 **\$ 14.80**
Stk. **772731** Mfg. 37600 Replacement Window **5.62**



Universal Windows

sellstrom Chemical-resistant polycarbonate offers outstanding durability, clarity & high-impact resistance. Acetate windows are an affordable option w/a non-glare finish providing excellent clarity.

Universal hole pattern allows windows to fit the following faceshields: All-safe 5500SN & CP5004, Apex 8500, Bullard 1001 & 300/400, Crews 103, FibreMetal F501, F5400 & F6400, Huntsman Model K, Jackson 170 & 337, North 67300.

Meets ANSI Z87.1-2003 standard.

Stk.	Mfg.	Window Type	Size	Price
772493	37000	clear acetate	8" x 16" x .040"	\$ 6.86
772494	37040	clear fog-free acetate	8" x 16" x .040"	8.21
772495	37050	IR shade 5 acetate	8" x 16" x .060"	25.90

Velvet Shield® Welding Blankets

Steiner NASA-developed carbon fiber fabric is extremely fire and heat resistant. Protects from direct contact with weld spatter. Soft, lightweight, easy-to-use blanket is also tough and tear resistant. To clean, just shake, vacuum or blow metal particles out.



Stk. **885300** Mfg. 31646 4' x 6' **\$ 86.10**
Stk. **885302** Mfg. 31665 6' x 5' **108.00**
Stk. **885303** Mfg. 31666 6' x 6' **119.00**
Stk. **885304** Mfg. 31686 6' x 8' **162.00**
Stk. **885299** Mfg. 31606 6' x 10' **216.00**



Self-cleaning or Disposable Filters
Filtair™ Mobile
Fume Extractors

Miller The nanofiber cartridge filter system features ultra-thin surface webbing of fibers to capture up to 95% of even sub-micron welding fume particles from 0.03 to 1.0 micron. Catching fumes on the 490 sq./ft. filter's surface maintains stronger airflow and extends filter life.

• 875 cfm suction power delivers long-lasting airflow throughout the life of the filter

• 8" dia. extraction arm is obstruction-free providing full-air access

Includes filter (self-cleaning or disposable) & extraction arm.

Overall size 31-3/4"W x 48"D x 34-3/4"H.

115V, 12.5 amps, 1 phase. Airflow 875 cfm. 70 dBA @ 5'.

Self-cleaning Extractor. 1 min. cleaning cycle. Handle-release disposal drawer for easy particle clean out. Weight 300 lbs.

Stk. 567100	Mfg. 951-178.....	7' arm	\$ 5,981.00
Stk. 567101	Mfg. 951-179.....	10' arm	6,048.00
Stk. 567102	Mfg. 951-180.....	12' arm	6,120.00
Stk. 566316	Mfg. 300-540 ..	Replacement Self-cleaning Filter	\$ 399.00

Disposable Extractor. Filter handles allow easy replacement of dirty filter cartridge with less mess & downtime. Weight 238 lbs.

Stk. 567103	Mfg. 951-143.....	7' arm	\$ 3,903.00
Stk. 567104	Mfg. 951-144.....	10' arm	3,969.00
Stk. 567105	Mfg. 951-145.....	12' arm	4,042.00
Stk. 566315	Mfg. 300-539....	Replacement Disposable Filter	\$ 451.00

Soldering Benches

Pucel Bench constructed of 12 ga. steel tops and legs, 16 ga. stringers and shelves, plus feature side and back stops. Top, stringer and legs are reinforced for extra strength. 3,000 lb. capacity.



Overall size 32-1/2"H (shelf 15-1/4"D).

Stk. 683810	Mfg. BS-2848.....	48"W x 28"D	\$ 498.00
Stk. 683811	Mfg. BS-2860.....	60"W x 28"D	560.00
Stk. 683812	Mfg. BS-3448.....	48"W x 34"D	550.00
Stk. 683813	Mfg. BS-3460.....	60"W x 34"D	624.00

Welding Benches & Booths

Arc Welding Benches/Booths

493800 w/Add-on Unit 493802

Universal Arc Welding Booths

KEI Easy-install free standing corner booths of 18 ga. steel with locking metal fittings. Consists of 3 equal panels (front panel w/doorway) and steel work shelf (18" x 48"). OSHA approved orange curtain. Assembly hardware included. Gray. USA made.



Overall size 76"H. Door opening 30"W.

48" x 48" Booth

Stk. 493800	Mfg. 8160	Booth, 4 sided	\$ 1,122.00
Stk. 493802	Mfg. 8170.....	Add-on Unit, 3 sided	898.00

60" x 60" Booth

Stk. 493805	Mfg. 8180	Booth, 4 sided	\$ 1,518.00
Stk. 493806	Mfg. 8190.....	Add-on Unit, 3 sided	1,288.00

Welding Benches & Booths, cont.

Arc Welding Benches/Booths, cont.

567090

657093

29"W & 58"W ArcStations™



Miller All-in-1 steel workstations are specially-made for welding and metalworking. Affordable units offer 2 lengths to meet space requirements. Solid steel tops in 3/16" T plain or 3/8" T X-pattern.

- Steel 1/8" frame w/crossbar for added stability
- Sturdy pre-welded legs topped w/removable steel caps
- Work clamp lug—keeps work clamps out of the way
- Adjustable leveling feet
- Shelf storage
- Powder-coated finish

Overall size 35"H.

Stk.	Mfg.	Top Sz.	Top Style	Price
29" x 29" Stations. 360° access.				
567090	951-167	3/16" T plain	\$ 323.00
567091	951-168	3/8" T X-pattern w/dust tray	419.00

29" x 58" Stations. Two 29" x 29" combine for more work space.

567092	951-169	3/16" T 2 plain	\$ 582.00
567093	951-170	3/8" T 1 ea. plain & X-pattern w/dust tray..	708.00

ArcStation Accessories

Tool Chest. 2 drawers for storing welding tools & consumables.

Stk. 566319	300-610.....		\$ 240.00
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Vise Kit. Includes 5" vise & quick-remove Vise Mount.

Stk. 566320	300-611.....		\$ 160.00
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Vise Mount. Quick-remove mount holds 5" vise to ArcStation.

Stk. 566321	300-612.....		\$ 30.00
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X-Clamp. 5 lb. clamp for use w/X-pattern table top.

Stk. 566322	300-613.....		\$ 49.20
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All Steel Arc Welding Benches

Pucel Top working surface is made of 12 ga. steel. Available with window-type, glare-proof shield for instructional purposes, or with solid shield. Drawer is supplied on both models. Gray.



Bench size 36"L x 36"D x 34"H.

34" from table top to top of shield.

Stk. 683938	Mfg. AW3636-S-DR	solid shields	\$ 626.00
Stk. 684005	Mfg. AW3636-WS-DR.....	see-thru shields	717.00

Gas Welding Benches



Flexible Furniture Bench is made of heavy-gauge steel and designed for efficient work. Has partitioned lower shelf for rod storage. Baked enamel finish.

Please specify color: gray, green or tan. Gray will be shipped if not specified.

Requires 32 firebricks, sold separately. Overall size 36"W x 36"D x 32"H.

Stk. 209953	Mfg. 1810		\$ 669.00
Stk. 209955	Mfg. 1812	Firebricks*, 32/pkg.	300.00

* 2-1/2" x 4-1/2" x 9" each.

Pucel Heavy-gauge steel bench features a shelf for rod storage. Gray.

Requires 32 firebricks, sold separately.

Overall size 36"W x 36"D x 34"H.

Stk. 683871	Mfg. GW3636.....		\$ 391.00
Stk. 683670	Mfg. 1416-1	Drawer	72.10
Stk. 209955	Mfg. 1812..	Firebricks*, 32/pkg.	300.00

* 2-1/2" x 4-1/2" x 9" each.



Safety Welding Curtains

Steiner 14 mil. flame-retardant, tinted transparent vinyl provides protection from harmful UV rays and sparks for the viewer or passerby. Blocks most of the UV radiation, reduces the visible flash, and allows light into the work area. Flame resistant and meets CFM requirements.

• 3/8" I.D. brass grommets placed on all 4-sides at approx. 12" centers

Warning: Curtains are not used as a replacement for a welding helmet or filter plate, but as transmission protection for the casual observation.

Actual size varies to 3" in H & W to allow for seams & hems.

Stk.	Mfg.	H x W	Price	•	Stk.	Mfg.	H x W	Price
☛ PLEASE NOTE there are 2 columns, each with its own Stk. Mfg., Size & Price.								
Green Curtains					Orange Curtains			
885322	33354	4' x 5'	\$ 27.10		885327	33854	4' x 5'	\$ 27.10
885321	33346	4' x 6'	25.10		885326	33846	4' x 6'	25.10
885315	33365	5' x 6'	40.60		885317	33865	6' x 6'	40.60
885323	33366	6' x 6'	30.30		885328	33866	6' x 6'	30.30
885324	33386	6' x 8'	38.80		885329	33886	6' x 8'	38.80
885320	33306	6' x 10'	49.90		885325	33806	6' x 10'	49.90
885316	33388	8' x 8'	86.70		885318	33888	8' x 8'	86.70

sellstrom Adjustable Welding Curtain Frame. Adjusts to 5' x 5', 5' x 6', 6' x 4' & 6' x 6'. Easy-to-assemble 7/8" O.D. galvanized steel pipe & fittings. Anti-skid legs.

Stk. **772737** Mfg. 97230. **\$ 188.00**

Steiner Metal Hooks. Hang welding curtains from cable or pipe frame.
Stk. **885340** Mfg. 41000. 2" hooks, 10/pkg. **\$ 9.13**

shown w/frame & hooks,
sold separately



Strong, Flexible, Durable & Safe Leather Welding Clothing, cont.

Steiner, cont. Leather is the time-proven material for welding protection. It's strong, flexible, extremely durable, yet economical when compared to high-temp synthetics.

- Made of selected side-split cowhide
- Brown leather
- Chrome tanned for greater heat resistance
- Seams protected with super-durable double-locked Kevlar® stitching
- Non-reflective black snaps for front, wrist & roll-up collar closures
- Rivets end each seam
- Resists cuts, sparks, slag
- USA made

Size = Chest Measurement Guide

• Medium = 40 - 42 • Large = 44 - 46 • XL = 48 - 50 • 2XL = 52 - 54



Shield Ankles & Shoes Leather Spats

Full protection for foot and ankle. 5"H spats fasten by 3 adjustable straps on the ankle and 1 on the in-step. USA made.

Stk. **885194** Mfg. 12185. **\$ 20.80**

Jackets Provide Breathable Coverage Weld-rite™ Leather Jackets

Coverage with air vents located in front and back under-arms and upper back. Sleeves also feature wrist snaps and soapstone holders. Jacket has reinforced front snaps, 2-snap collar, satin lining, inside pocket and adjustable waist.



Stk. 885400	Mfg. 92141	medium, 26L	\$ 76.60
Stk. 885401	Mfg. 92142	large, 26L	76.60
Stk. 885402	Mfg. 92143	x-large, 26L	76.60
Stk. 885403	Mfg. 92144	2x-large, 26L	84.30
Stk. 885405	Mfg. 92151	medium, 30L	\$ 82.30
Stk. 885406	Mfg. 92152	large, 30L	82.30
Stk. 885407	Mfg. 92153	x-large, 30L	82.30
Stk. 885408	Mfg. 92154	2x-large, 30L	90.50

Strong, Flexible, Durable & Safe Leather Welding Clothing

Steiner Leather is the time-proven material for welding protection. It's strong, flexible, extremely durable, yet economical when compared to high-temp synthetics.

- Made of selected side-split cowhide
- Brown leather
- Chrome tanned for greater heat resistance
- Seams protected with super-durable double-locked Kevlar® stitching
- Non-reflective black snaps for front, wrist & roll-up collar closures
- Rivets end each seam
- Resists cuts, sparks, slag
- USA made

Size = Chest Measurement Guide

• Medium = 40 - 42 • Large = 44 - 46 • XL = 48 - 50 • 2XL = 52 - 54



Protection for Arms & Upper Torso Leather Cape Sleeves w/Bibs

Elastic straps under the arms hold the cape sleeve in place for out-of-position work. Welting of the cape sleeve shoulder and lower arm seams provides extra insurance against burn-out. Roll-up collar snaps protect the neck from overhead welding. Bib is 14"L.

Stk. 885140	Mfg. 12121	medium	\$ 122.00
Stk. 885141	Mfg. 12122	large	122.00
Stk. 885142	Mfg. 12123	x-large	122.00
Stk. 885143	Mfg. 12124	2x-large	129.00

Shield Lower Legs & Shoes Leather Leggings with Spats

Protect your lower legs and shoes with 15" leather leggings featuring a hook and loop fastener to hold leggings in place and leather shoe protector.

Stk. **885195** Mfg. 12186. **\$ 46.00**



Weld-rite™ Leather Cape Sleeves & Bib

Arm and upper body coverage with open back and lower torso for comfort and freedom of movement. Welting shoulder and arm seams. USA made. Snaps for closure on front, wrist and collar. *Optional bib for added protection, sold separately.*

885370

885378



Stk. 885370	Mfg. 92101	medium	\$ 52.50
Stk. 885371	Mfg. 92102	large	52.50
Stk. 885372	Mfg. 92103	x-large	52.50
Stk. 885373	Mfg. 92104	2x-large	57.80
Stk. 885378	Mfg. 92115	19"L Detachable Bib	\$ 15.90

Weld-rite™ Leather Aprons

Quality aprons from 4 or less split-cowhide pieces. Kevlar® stitching, rivet seam reinforcement. Adjustable nylon straps, quick-release buckle. 24"W.



Waist Apron

Stk. **885410** Mfg. 92160. 24"L **\$ 20.00**

Bib Aprons. 2-compartment chest pocket.

Stk. **885412** Mfg. 92165. 36"L **\$ 30.40**
Stk. **885413** Mfg. 92166. 42"L **36.40**

Split-leg Aprons. Adjustable leg straps.

Stk. **885415** Mfg. 92171. 42"L **\$ 40.80**
Stk. **885416** Mfg. 92172. 48"L **45.00**

Leather Welding Clothing, cont.

Weld-rite™ Leather Sleeves

Steiner Premium side-split cowhide sleeves slide into welding glove cuffs to protect upper arms from burns. Kevlar® stitching and rivet reinforcement at seams. Adjustable leather strap, snaps at wrist.



Stk. **885419** Mfg. 92180 18"L, 2/pkg. \$ **21.50**
 Stk. **885420** Mfg. 92181 23"L, 2/pkg. **29.60**

Welding Clothing

Steiner

Protect Clothing from Super Blast Furnace Conditions Kevlar® Bib Apron

Made from a blend of Kevlar and fiberglass, this apron resists heat up to 600° F. Abrasion and cut resistant.

Stk. **885205** Mfg. 18425 24"W x 39"L \$ **66.60**



Protection from Molten Furnace Heat Kevlar® Sleeves

Made from a blend of Kevlar and fiberglass, sleeves resist heat up to 600° F. Abrasion and cut resistant. 18"L sleeves protect up to the mid-biceps muscle and snaps at the wrist.

Stk. **885207** Mfg. 18440 \$ **49.60**



Lighter Weight Flame Retardant Protection Weldmite® Fabric Bib Aprons

Weldmite offers a protective clothing option that is lighter and more comfortable than leather for applications not requiring leather.

Made from 12 oz. permanently flame retardant fabric, the 100% cotton will retain its flame retardant properties even after repeat washings. USA made, these bucktan garments are sewn from full-cut patterns and offer adjustable neck and waist straps.

Stk. **885125** Mfg. 10125 24" x 36" \$ **13.80**
 Stk. **885126** Mfg. 10126 24" x 40" **15.00**



Lightweight Cloth & Less Expensive than Leather Fire Stop® Cotton Jackets

Permanently flame-retardant cotton jacket retains its natural qualities. Cooler and lighter than leather it's ideal for indoor or warm weather use. Bar tacked stress points for strength. Inside chest pocket, non-reflective snap closure and snaps at wrist. 30"L. Green.

Stk. **885132** Mfg. 10301 medium \$ **25.40**
 Stk. **885133** Mfg. 10302 large **25.40**
 Stk. **885134** Mfg. 10303 x-large **25.40**
 Stk. **885131** Mfg. 10304 2x-large **27.90**



Cape Sleeves shown
w/Detachable Bib,
sold separately

Split Leg Apron

Lightweight Protective Cloth Fire Stop® Cotton Clothing

Flame retardant cotton clothing is cool and light. Green color.

Cape Sleeves. Arm & upper torso protection. Non-reflective snap closure & wrist snaps. Detachable bib for added protection, sold separately.

Stk. **885136** Mfg. 10321 medium \$ **19.60**
 Stk. **885137** Mfg. 10322 large **19.60**
 Stk. **885138** Mfg. 10323 x-large **19.60**
 Stk. **885144** Mfg. 10324 2x-large **21.60**
 Stk. **885135** Mfg. 10315 19"L Detachable Bib \$ **5.61**

Split Leg Apron. Protection w/freedom of movement. Reinforced crotch & adjustable waist, neck & leg straps. 24"W x 40"L.

Stk. **885139** Mfg. 10336 \$ **16.20**



Cover Safety Concerns with these Hardworking Gloves

Leather Welding Gloves

Steiner Premium-quality gloves feature . . .

- Welded at all critical seams
- Brown leather (*except where noted)
- Side-split cowhide sewn w/super-strong Kevlar® thread
- Gunn cut pattern w/wing thumb
- USA made
- Full lining

Mylar® Protection from Heat & Radiation Cowhide Welding Gloves

Triple lined with an inner layer of aluminumized Mylar that reflects radiant heat and ultraviolet radiation off back of hand. Double reinforced palm and wing thumb.

Stk. **885045** Mfg. 02139 large \$ **15.40**



Superb Quality that's Priced Right 2-Piece Back Welding Gloves

Made of select shoulder-split cowhide, these quality gloves feature extra-long 5" unlined safety cuffs.

Stk. **885030** Mfg. 02105 \$ **39.00**



Great Value, High Quality Red Welding Gloves

Economical, fully-welded high-performance glove with comfortable full foam lining, reinforced thumb strap, and thumb patch. Red leather gloves.

Stk. **885090** Mfg. 02719 \$ **11.90**



Like a Safety Pillow Surrounding Your Hand Foam-lined Welding Gloves

Maximum comfort plus safety in a glove that with full cotton and foam lining on the palm and back of the hand. The wing thumb has a patch and reinforced strap. Fully-welded.

Stk. **885220** Mfg. 2119B \$ **11.90**



Priced Right to Protect Your Entire Classroom!

Economy Welding Gloves

Receive comfort, protection, and durability at a great value! Gray leather gloves have a soft, full cotton lining.

Stk. **885050** Mfg. 02209 \$ **5.70**



Follows Finger Contour, Relieving Stress Natural Thumb™ Welding Gloves

Curved finger base conforms to natural finger alignment reducing fatigue in production welding. Triple-layer insulated, Heat Resistor™-lined back, foam-insulated palm. Top-quality, garment-grade leather. Flame resistant insulated lining. Reinforced thumb and palm patch. Green*.

Stk. **885016** Mfg. 023NT large \$ **18.00**



TIG Gloves*

Goatskin* Dexterity & Durability

Miller Made from goatskin and specifically designed for the demands of TIG welding. Provides excellent dexterity, comfort and durability. Padded palm for extra comfort. Kevlar® stitching for extra seam strength.

Stk. **566226** Mfg. 227-815 large \$ **28.00**



Cover Safety Concerns with these Hardworking Gloves

Leather Welding Gloves, cont.

Steiner, cont. Premium-quality gloves feature . . .

- Welded at all critical seams
- Brown leather (*except where noted)
- Side-split cowhide sewn w/super-strong Kevlar® thread
- Gunn cut pattern w/wing thumb
- USA made
- Full lining

TIG Gloves*, cont.

Deerskin* Dexterity & Durability

Steiner Unlined split deerskin gloves with Kevlar® stitching. Sensi-TIG™ seamless index finger and straight thumb. 2" cuff.



Stk. **885025** Mfg. 0221L \$ **10.40**

Premium Grain Sheepskin*

Steiner Unlined, Kevlar®-stitched sheepskin gloves. Sensi-TIG™ seamless index finger and straight thumb. 4" gray cuff.



Stk. **885027** Mfg. 0223M medium \$ **13.70**

Stk. **885028** Mfg. 0223L large **13.70**

Stk. **885029** Mfg. 0223XL x-large **13.70**

MIG Gloves*

Durable Cowhide & Heat-resistant Pigskin*

Miller Designed for medium-duty MIG welding and metalworking tasks. Ergonomically-curved fingers and padded palm for extra comfort. Durable top-grain cowhide palm. Heat and abrasion-resistant pig split back for rugged wear and protection. Kevlar® stitching for extra seam strength.



Stk. **566225** Mfg. 227-823 large \$ **25.40**

Premium-grain Pigskin*

Steiner Premium pigskin gloves with reversed-grain pigskin palms protect against high heat. They are abrasion, oil and water resistant, and dry to its original softness. Fully-welded gloves with foam-insulated back, unlined palm, straight thumb (w/thumb strap) and 5" gray cuff.



Stk. **885010** Mfg. P750M medium \$ **14.60**

Stk. **885011** Mfg. P750L large **14.60**

Stk. **885012** Mfg. P750XL x-large **14.60**

Tool Bag Chuck Full of Safety Gear Welding Safety Kit

Handy kit stocked with required items for welding safely.

Includes

- cotton welding jacket
- pigskin gloves & welding gloves
- 3' x 4' welding blanket
- bib style leather apron
- welder's cotton cap
- welder's cotton cap
- safety glasses
- 19" tool bag



Stk. **884990** Mfg. KITAM medium clothing \$ **198.00**

Stk. **884991** Mfg. KITAL large clothing **198.00**

Stk. **884992** Mfg. KITAX x-large clothing **198.00**

Stk. **884993** Mfg. KITA2X 2x-large clothing **201.00**

Welding DVDs

CEV Shielded Stick Metal Arc Welding Series



Part 1. Examines welding safety, pre-operational inspection of equipment and proper clothing. Covers step-by-step procedures for the set-up and adjustment of AC/DC, rectifier AC and standard AC welder. A Panasonic camera with a welder's lens filter provides close-up footage of 9 welds performed in a flat position (*stringers, butt weld, lap weld, T-weld, multi-pass fillet & 5 others*). Techniques demonstrate in-straight, crescent, plus up-and-back motion welding. A veteran welding instructor discusses types of electrodes and their uses. Shows on-location audio instructions for all welds and an evaluation of each.
Stk. **125820** Mfg. CEVD810 45 min. \$ **127.00**

Part 2. On-location footage of the performance of 9 welds (*stringer, lap, butt, T-weld & more*) performed in horizontal, vertical and overhead positions. Each weld has expert narration followed by discussion.
Stk. **125821** Mfg. CEVD811 27 min. \$ **127.00**

Part 3. Shows 2 weld testing methods (*guided bend & nick-break*), plus-preparing metal for test samples, performing welds and preparation of specimens for testing. Tests are made and evaluated. Includes a summary of essentials for successful welding including metal identification.
Stk. **125828** Mfg. CEVD818 27 min. \$ **127.00**

Meridian Live-action DVD series introduces students to the 4 major welding areas of Oxyfuel, Shielded Metal Arc, Gas Tungsten Arc & Gas Metal Arc/Flux Core Arc.



Each DVD provides welding definitions, shows welding components, safety equipment, assembly & use of the system, plus the types & kinds of welds. Each illustrates safety procedures (proper clothing, equipment & filter lens).

Introduction to Oxyfuel Welding. DVD explains and demonstrates the careful, safe method of using the combination of acetylene and oxygen gas cylinders. Pressure regulators, check valves, and hoses and fittings are shown as well as torch tubes and tips. Clear instructions on ignition, use of the outfit, and shutting down are provided along with tips on flame adjustment and methods to direct it to the work area. Also demonstrated are various welding techniques and types of welds.
Stk. **534434** Mfg. 26785-DVD 14 min. \$ **49.50**

Introduction to Shielded Metal Arc Welding. DVD explains the differences between alternating current and direct current arc welding machines and shows how an electrical current melts electrodes to supply filler metal. Also demonstrated are electrode leads, workpiece leads, and electrode holders. Electrode sizing and its importance are explained. Set-up and shut-off instructions are shown step-by-step as well as how to use equipment safely.
Stk. **534435** Mfg. 26786-DVD 12 min. \$ **49.50**

Introduction to Gas Tungsten Arc Welding. DVD presents special safety concerns of gas tungsten arc welding or TIG welding. Students are warned of the suffocation hazards present when working with inert gases and why good ventilation is required. The DVD also provides explanation of how TIG welding differs from other types of welding...in particular the use of non-consumable electrodes. Electrode leads, hoses, regulators, and collets are demonstrated and explained as well as the use of the post flow timer to protect the weld from contamination. Also discussed are using the correct collet set and electrode size and type needed for the job.
Stk. **534433** Mfg. 26784-DVD 11 min. \$ **49.50**

Introduction to Gas Metal Arc Welding & Flux Core Welding. DVD presents the similarities between gas metal arc welding (*MIG*) and flux core arc welding, including the use of direct current to provide constant voltage. Students will also learn about the different types of electrode wires used in each outfit. Wire feeders are demonstrated along with the spools that feed them - containing several hundred feet of electrode wire...allowing welders to make long continuous welds. Students will see how to position the electrode and how to establish a good weld pool. Safety practices are also demonstrated and explained.
Stk. **534408** Mfg. 25479-DVD 11 min. \$ **49.50**

Bench Soldering Furnaces. Pages 424-425.

Instructional DVDs, Videos & Software are nonreturnable.



Welding DVDs, cont.

CEV

Gas Tungsten Arc Welding. Providing an extensive introduction to GTA (*Gas Tungsten Arc*) welding is the purpose of this informative DVD. The step-by-step procedures necessary for safety and set-up of the GTA welder are discussed. Proper safety, clothing and equipment are identified. Demonstrations of current, amperage and gas flow adjustments are provided in addition to demonstrations of 7 welds in the flat and vertical positions. Weld demonstrations include maintaining a puddle, stringer beads, butt weld, T-weld, outside corner, and multi-pass fillet. Each weld is accompanied by expert narration and is followed by an explanatory discussion. Safety is emphasized.
Stk. **125823** Mfg. CEVD813 47 min. **\$ 127.00**

Oxy-Acetylene Welding Safety & Intro. The purpose of this excellent DVD-instructional aid is to provide students with a thorough introduction to oxy-acetylene equipment necessary for successful welding and cutting. Includes: set-up and safety; proper care of equipment; name, purpose, and installation of each piece of equipment; and demonstration of the correct and safest way to set-up a station for operation including setting of working pressures.
Stk. **125824** Mfg. CEVD814 25 min. **\$ 127.00**

Acetylene Cylinder Safety. Procedures for detection of leaks in cylinders and equipment are demonstrated in this important and educational DVD. The use of reverse flow check valves to prevent back flow of acetylene and/or oxygen is stressed and procedures for checking the valves for proper operation are demonstrated.
Stk. **125827** Mfg. CEVD817 22 min. **\$ 127.00**

Oxy-Acetylene Cutting. Safety involved in setting-up and shutting-down the oxy-acetylene hand torch and track torch, proper dress and safety equipment, turning on cylinders and adjusting regulators to attain correct working pressures, assembling the torch and necessary equipment for cutting are presented. 10 different cuts utilizing various thicknesses of metal with the hand torch and track torch are demonstrated and discussed.
Stk. **125826** Mfg. CEVD816 40 min. **\$ 127.00**

Oxy-Acetylene Welding & Brazing. Proper safety, dress, and operation are discussed in this educational DVD program. Exceptional DVD footage (*obtained by utilization of a state of the art, Panasonic chip camera*) provides students with step-by-step demonstrations of the proper way to turn on cylinders, set working pressures and adjust flames for different uses. A discussion of rods and fluxes used in welding and brazing, plus methods for metal preparation are included. Welds performed include a puddle, bead with a filler rod, butt weld, lap weld, T-weld and outside corner-weld. Tinning (*brazing*) and multi-pass fillet (*bronze welding*) are demonstrated. Each weld is accompanied by expert narration and followed by a weld evaluation.
Stk. **125825** Mfg. CEVD815 38 min. **\$ 127.00**

Introduction to Welding. Perfect for introducing students to the world of metal arc welding, this DVD-guide to welding basics is loaded with information. An experienced welding instructor offers insight and instruction on the following: basic safety and operation techniques; equipment; electrodes; and metal identification.
Stk. **125832** Mfg. CEVD839 28 min. **\$ 127.00**

Gas Metal Arc Welding. Focusing on the step-by-step safety procedures involved in set-up and operation of the GMA (*Gas Metal Arc*) welder, this informative DVD will stimulate student interest. Proper clothing, safety and equipment are discussed. 12 welds (*including butt weld, lap weld, T-weld, lace fillet, plus others*) are performed in flat and vertical positions. Each weld is accompanied by expert narration and discussion. The adjustment of shield gas flow, voltage control, and wire speed control are discussed.
Stk. **125822** Mfg. CEVD812 54 min. **\$ 127.00**

Safety First: Welding Shop Safety

Cambridge Examines a variety of topics including specific protective gear, the importance of good attitude and concentration, how to store tanks, hoses, gauges and cutting/brazing torches, the basics of testing lines for leaks, attaching gauges to tanks and adjusting pressure setting levels. Also discusses MIG, TIG and oxyacetylene welding processes, proper grounding of the machine and workpiece, correct applications of commercial gases and maintaining welding tips.
Stk. **290065** Mfg. 14465-DVD 30 min. **\$ 89.10**

Welding Safety

Shopware Covers critical safety rules and protective welding equipment (*for MIG, TIG, arc & gas*). Discusses welding helmets and lens ratings, leather aprons and gloves, welding gas respirators, heat shields and fire extinguishers, plus various types of welders (*including plasma cutters*). Correlates to all National CTE Organizational Standards (*including Perkins Act*). On-line viewable/printable instructor's guide.
Stk. **794667** Mfg. 42036-DVD 23 min. **\$ 99.00**

TIG Welding Basics

Miller Metalworking expert Ron Covell covers the basics for TIG welding including machine set-up, joint preparation, electrode selection and preparation, torch technique and troubleshooting. Easy-to-follow program describes the welding process, coupled with close-up photography to make the process of TIG welding easy to understand.
Stk. **566306** Mfg. 196-567 80 min. **\$ 72.00**

MIG Welding Made Easy

Miller Understandable for the beginner, plus information for professionals. Metalworking expert Ron Covell steps through the MIG welding process with careful descriptions of how each factor affects the weld including wire speed, voltage, stickout, gun angle, travel speed and gas flow. He also covers plug welds, patch welds, welding aluminum & using flux core wire. Offers a bonus Plasma Cutting section.
Stk. **566307** Mfg. 196-568 70 min. **\$ 72.00**

Instructional DVDs, Videos & Software are nonreturnable.

Bench Soldering Furnaces

Johnson Equipped with 2 powerful Johnson Bunsen Burners, each with shut-off valve and pilot light. Designed to heat soldering coppers up to 12 lbs. per pair. Can also be used for heat-treating small carbon steel tools. Firebrick lined base. Shelf in rear of firebox forms rest for soldering coppers and protects points. Curved shaped hood forces return blast over top of parts being treated.
Unit size 14"L x 7-3/8"H.
Firebox 3-3/4" x 4-1/2" x 5-1/2". Firebox opening 4-1/2" x 2-3/4".
Gas connect pipe size 3/8". Burners 2.
Gas consumed 26,000 BTU per hour per burner.
Stk. **486268** Mfg. 112 **\$ 765.00**



Johnson A powerful, efficient and economical bench furnace made for heating soldering coppers up to 12 lbs. per pair, heat-treating, tempering, annealing or case-hardening any carbon steel tools or small metal parts such as dies, taps, reamers, chisels, gears, etc. No blower is needed, which eliminates use of a muffle. Equipped with shut-off valve and pilot light. Firebox forms a rest and protects points of coppers. Johnson patented, curved shaped hood forces return blast over parts being treated. A baffle plate, which partly closes front of furnace, is furnished. Hood and bottom lined with heavy refractory.
Unit size 14"L x 7-3/8"H.
Firebox 3-3/4" x 4-1/2" x 5-1/2". Firebox opening 4-1/2" x 2-3/4".
Gas connect pipe size 3/8". Burners 2.
Gas consumed 26,000 BTU per hour per burner.
Stk. **486134** Mfg. 101 **\$ 795.00**
Stk. **486201** Mfg. 101-20 Complete Relining Kit for 101 **255.00**



Bench Soldering Furnaces, cont.

Combination Bench Furnace

Johnson An efficient furnace for all around shop use. For heating soldering coppers or stenciling irons; also for tempering, heat-treating, annealing, case-hardening or soft metal melting. Shelf in rear of firebox forms rest and protects points of soldering coppers. Patented, curved shaped hood forces return blast over tops of irons or parts being treated. Firebox lined with refractory. Baffle plate retains heat and maintains even temperature. Heat long rods by opening side doors in hood. Equipped with 22 lb. capacity melting pot for melting small quantities of soft metal, like lead, babbitt, etc.



Unit size 16"L x 9-1/2"H.
Firebox 6-1/4" x 5" x 6-1/2". Firebox opening 4" x 6".
Gas connect pipe size 3/8". Burners 3.
Gas consumed 39,000 BTU per hour per burner.

Stk. **486335** Mfg. 118 \$ **1,087.00**
Stk. **486469** Mfg. 118-10 Complete Relining Kit for 118 **392.00**
Stk. **486402** Mfg. 118-4 Melting Pot for 118 **138.00**

Bench Soldering Furnace Accessories

Johnson Soldering Coppers & Wood Handle. Genuine drop-forged coppers for high-level heat retention. Use copper w/wood handle*.

Stk. **490020** Mfg. 300-02 Pointed Coppers (2 lb.), 2/set \$ **86.80**
Stk. **490021** Mfg. 303-03M Handle* (medium), each **3.48**

* Note: Handles are sold singly, coppers are sold in pairs.

Bench Melting Furnace



Mini-Mite Model F No crucibles required, this reverberatory tilt-type furnace allows aluminum to be melted by direct flame on the refractory surface. It can melt 5 lbs. of aluminum in 20 minutes or less.

Portable and lightweight. Variable speed blower and variable speed control for infinite control over the blower flame, temperature range and correct air to gas mixture. Thermocouple safety—gas shut-off system operates on natural or bottle gas.

Unit size 15"L x 19"W x 13"H. Unit weight 60 lbs. Capacity 7 lbs.
Gas connect pipe size 1". Burners 1. Gas consumed 150,000 BTU.

Stk. **794208** Mfg. F \$ **1,860.00**



Reusing Sand will Save Your Budget Sand Muller

Mini-Mite Model M-2 Recondition molding sand in less than 3 minutes rather than using new sand. Easy-to-use unit will mull molding sand, including oil base and core mixture. A must when preparing sand, particularly oil base such as Petrobond™, for high-quality castings.

- Direct-connected gearhead motor for durability & safety
- Portable, lightweight cast aluminum construction

Unit size 20"L x 19"W x 29"H. Unit weight 100 lbs.
Capacity 25 lbs. Aerator speed. Gear reduction drive.
1/2 HP, 110V, 60 cycle 1 phase motor.

Stk. **794205** Mfg. M-2 \$ **3,100.00**

Bench Melting Furnace, cont.

Everything Needed in 1 Set Complete Basic Foundry Package

Mini-Mite Package A

Complete casting system contains all necessary equipment and supplies required of pouring.

Package includes:

- Model F Melting Furnace
- Model M-2 Sand Muller
- ladle (mild steel, 4 lbs. aluminum cap)
- riddle (No. 8 mesh)
- Petrobond™ Sand (100 lbs.)
- non-silica dry parting aluminum powder (5 lbs.)
- flask & bottom plate (8" x 8" aluminum, 3" cope, 3" drag)
- flask & bottom plate (8" x 14" aluminum, 3" cope, 3" drag)
- matchplate (aluminum for 8" x 8" flask, hamburger ring w/handle)
- demonstration & storage box (2' x 3' x 10-1/2")
- plus gate cutter, shovel, strike-off bar, gloves, goggles & manual



Stk. **794212** Mfg. A \$ **5,743.00**

Foundry Molder's Benches

531405



531406



Bench workstations shown w/Tool Kits, sold separately

Single & Double Molder's Workstations

McEnglevan All-steel construction benches with hinged covers. Front door removes for storage within the lid, and also serves as complete tool kit(s) rack and storage area.

Unit size 30"D x 30"H (working height 25").

Includes 4 heavy-duty casters (2 swivel, 2 rigid) & detachable work shelves.

Stk.	Mfg.	No. of Workstations	Width	Molding Sand cap'y.	Tool Kit Storage	Price
531405	MB-1	single	30"	225	1	\$ 1,479.00
531406	MB-2*	double	60"	450	2	2,583.00

* Also includes extra wheel (to support the center of the bench).

McEnglevan Foundry Molder's Tool Kits

14-Piece Kit for Single Workstation MB-1

Includes:

- M-5 Tool Kit (1-1/4" x 5" round point trowel, 1" gate cutter & spoon, 1" slick & oval, 1" slick & square, 3/8" x 1/4" lifter)
- 24" strike-off bar
- aluminum bench rammer
- molder's bellows
- square point molder's shovel (10" x 12")
- bulb sponge (8 oz.)
- 2 hand riddles (18", 1 w/#8 mesh & 1 w/#4 mesh)
- plus 5/8" tapered sprue cutter & 10 lb. box of parting dust & bags

Stk. **531407** Mfg. MKB-1 \$ **653.00**

20-Piece Kit for Double Workstation MB-2

Includes:

- 2 M-5 Tool Kits (1-1/4" x 5" round point trowel, 1" gate cutter & spoon, 1" slick & oval, 1" slick & square, 3/8" x 1/4" lifter)
- 24" strike-off bar
- 2 aluminum bench rammers
- 2 molder's bellows
- 2 square point molder's shovels (10" x 12")
- 2 bulb sponges (8 oz.)
- 3 hand riddles (18", 2 ea. w/#8 mesh & 1 w/#4 mesh)
- plus two 5/8" tapered sprue cutters & 10 lb. box of parting dust & bags

Stk. **531408** Mfg. MKB-2 \$ **1,095.00**

Large Furnace Accessories

Caution: Keep Blocks from Melting to Crucibles
Place silica sand, a fiber blanket or cardboard discs soaked in water between the crucible & block each time.

McEnglevan Crucible Block. Silicon Carbide. For No. 10 & 16 crucibles.
Stk. **531149** Mfg. 008241 6" x 2" block **\$ 75.30**

Bay State Graphite Crucibles

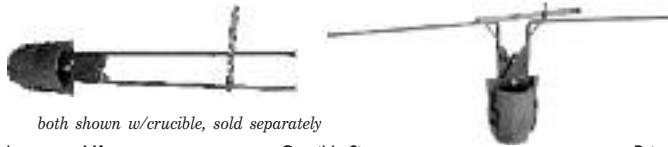
Stk.	Mfg.	Height	Dia. Bilge	Price
Top Pour				
231000	1	3-5/8"	3-1/8".....	\$ 44.90
231134	2	4-1/2"	3-11/16".....	44.90
231268	3	5-3/8"	4-1/8".....	44.90
231402	4	5-3/4"	4-9/16".....	47.00
231536	6	6-1/2"	5-1/4".....	65.30
231670	8	7-1/8"	5-7/8".....	77.60
231804	10	8-1/16"	6-9/16".....	97.80
231938	16	9-1/4"	7-1/2".....	113.00
232072	20	10-5/16"	8-3/8".....	126.00
232206	30	11-1/2"	9-5/16".....	156.00
Bottom Pour				
231871	10 BP	8-1/16"	6-9/16".....	\$ 133.00
232005	16 BP	9-1/4"	7-1/2".....	175.00



McEnglevan Crucible Tongs

531282

531278



Stk.	Mfg.	Crucible Size	Price
Plain Crucible Tongs. Locking latch bar.			
531282	10P	10.....	\$ 255.00
531324	16P	16.....	270.00
Bent Handle Crucible Tongs. Handle bent 90°, rings engage hoist.			
531278	10B	10.....	\$ 300.00
531320	16B	16.....	303.00
531345	20B	20.....	323.00
531370	30B	30.....	369.00

McEnglevan Safety Crucible Pouring Shanks

531300

531450



Spring-loaded locking device secures crucible so it can be completely inverted for pouring w/out dropping the crucible. Simple design assures positive action & dependable operation. Locking arms swing clear of the shank ring to clear crucible loading. Latch handle is on the shank handle. No need for help to hold crucible in shank ring while pouring.

Stk.	Mfg.	Crucible Size	Type	Price
531300	S10H	10	hand safety shank.....	\$ 227.00
531340	S16H	16	hand safety shank.....	231.00
531450	S116SE	10 & 16	single end safety shank....	\$ 335.00
531465	S230SE	20 & 30	single end safety shank....	371.00

McEnglevan Molder's Sets



9-Piece Tool Set. Includes 1-1/4" x 5" square trowel, 1" gate cutter & spoon, 1" slick & oval, 1" slick & square, 1-1/4" x 5" round point trowel, 1" heart & leaf, 1" taper & leaf, 3/8" x 14" lifter & 3-3/4" x 14" bench rammer.
Stk. **531401** Mfg. M-9..... **\$ 320.00**

5-Piece Tool Set. Includes 1" x 5" round point trowel, 1" gate cutter & spoon, 1" slick & oval, 1" slick & square & 3/8" x 14" lifter.
Stk. **531400** Mfg. M-5..... **\$ 142.00**

M.A. Bell Non-Silica Parting Powder

Stk. **236000** Mfg. EPP..... 5 lbs. **\$ 13.70**

McEnglevan Refractory Material. A fine grained, chemically bonded, air setting trowel mix w/outstanding hot strength. Has troweling consistency & blue color identification. Water can be added to produce any consistency. Used to patch & repair firebrick & furnace lining material. W/water added for a thinner consistency, can be used to seal & coat furnace lining material for maximum heating efficiency.
Stk. **531148** Mfg. 008172..... 20 lbs. **\$ 89.10**

Petrobond Mix Petrobond Sand. For foundry purposes w/out the use of water. Mix consists of a mulled mixture of fine sand, Petrobond, oil & a small amount of catalyst. Produces a finish to castings that far exceeds that produced when using Albany sand. Mixed w/oil.
Stk. **794201** Mfg. PBSS0..... 50 lbs. **\$ 84.00**

Flexible Furniture Firebricks. 2-1/2" x 4-1/2" x 9" each.
Stk. **209955** Mfg. 1812..... 32/pkg. **\$ 300.00**

Panacea Bellows. 19" bellows for school molders. Made of hardwood boards, plus leather & vinyl w/leather secured w/tacks.
Stk. **943204** Mfg. 15312..... **\$ 16.80**



Fallbrook Bulb Sponge. Rubber bulb w/brass stem & camel hair swab. Use for strengthening mold edges before pattern removal.
Stk. **416070** Mfg. 152B..... **\$ 21.10**



Fallbrook Aluminum Foundry Flasks

Rectangular Flasks. High strength aluminum w/generous rib at parting line. Handles are widely spaced for easy handling. Pins are 1/2" dia. steel.
Stk. **416050** Mfg. 100A..... 10" x 12" **\$ 147.00**
Stk. **416060** Mfg. 120A..... 8" x 10" **133.00**



Round Flask. Rugged construction. Large pins & handles.
Stk. **416054** Mfg. 110A..... 11" dia. **\$ 133.00**



Aluminum Ingot. Aluminum Alloy 319 is favored for casting, welding, pressure tightness & moderate strength. Contains copper & silicon. Polishes well, giving silver appearance. Not seriously affected by impurities.
Stk. **533000**..... 1 lb. **\$ 4.84**
Stk. **533001**..... 50 lb. **220.00**

Large Furnace Accessories, cont.

Rigid Molder's Shovel. Solid shank tool w/14 ga. (9-3/4" x 12" sq.) point blade w/27"L D-handle. Lacquered ash handle, double riveted to blade socket.



Stk. **692630** Mfg. 52315..... **\$ 57.70**

McEnglevan Ingot Molds. Metal molds form ingots from extra molten metal remaining in crucible or for pigging cleaned scrap and remelt metal into ingots to store.



Stk.	Mfg.	Mold No.	Ingot Size*	Overall Size	Price
531270	6	3	6" x 3-1/2" x 1-1/2"	9" x 12"....	\$ 166.00
531310	12	4	10-3/4" x 3-1/2" x 1-1/2"	11" x 14"...	214.00

* Ingot dimensions are approximate since molds are tapered.



Wood Crafters Hard Maple Bench Rammer
Stk. **475000** Mfg. 6012.... 3-1/2" x 14" **\$ 26.30**

McEnglevan Pyrometers

Portable Hand Lance Pyrometer.

Model MT-400 uses an enclosed probe to sense the temperatures of a variety of nonferrous molten metals. Rugged temperature compensated meter movement is accurate w/in 2% of the meter scale. Dual Fahrenheit Centigrade scale w/0-2,350°F & 0-1,300°C temperature range. Designed for quick, simple meter replacement, reducing downtime. 36" lance & 8" protected marshall tip.



Stk. **531490** Mfg. 030864..... **\$ 335.00**

Digital Portable Hand Lance Pyrometer.

Model MD-250 is controlled by an on/off toggle switch on the instrument face. Powered by one 9V battery. Meter displays temperature with 3/8" LED digits. Accurate w/in 5%, 0-2,350°F temperature range. Meter indicates when tip needs replacing. 36" lance & 12" protected marshall tip.



Stk. **531156** Mfg. 030867..... **\$ 460.00**

Holland Mfg. Foundry Riddles. Heavy galvanized wire w/HMC plastic rim. For everyday foundry use. 18" dia., w/#4 mesh (16 holes per sq. in.) or #8 mesh (64 holes per sq. in.).



Stk. **833068** Mfg. RI18-4 4 mesh **\$ 68.00**
Stk. **833069** Mfg. RI18-3 8 mesh **68.00**

Safeguard Against "Furnace-Blast" Temps

Steiner Zetex Plus High-heat Hand Protection.

Withstands continuous temperatures up to 2,000°F. Silica fabric w/unique coating will not allow heat penetration. Fully lined, cotton lining on the palm & 11 oz. wool on the back of the hand. 14"L.



Stk. **885110** Mfg. 07115..... Mittens **\$ 58.00**
Stk. **885109** Mfg. 07114..... Gloves **70.00**

Steiner Aramid/Fiberglass Gloves. Aramid (Kevlar®) fibers & fiberglass blend to create gloves that withstand exposure up to 600°F. Full 11 oz. wool-insulated lining. Superior abrasion & cut resistance. 14"L.

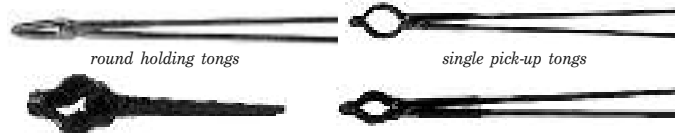


Stk. **885115** Mfg. 08314..... **\$ 50.60**

Lansing Forge Welder's Tongs

straight lip tongs

gad tongs



round holding tongs

single pick-up tongs

Stk.	Mfg.	Type	Length	Price
960273	203-18	straight lip forge tongs	18".....	\$ 91.70
960340	203-24	straight lip forge tongs	24".....	91.70
960407	204-24	gad tongs	24".....	\$ 95.70
960072	202-20	3/8" round holding tongs	20".....	\$ 101.00
960139	202-20	1/2" round holding tongs	20".....	101.00
960206	202-22	3/4" round holding tongs	22".....	101.00
960005	200	single pick-up tongs	24".....	\$ 95.70



416062



416040

Fallbrook Sprue Cutters. Straight pattern cutters provide a simple, clean way of cutting gates, especially on small or thin castings. Available in either brass or durable PVC plastic.

Stk.	Mfg.	Made of	Size	Price
416062	150B-1	Brass	1/2" x 8" ...	\$ 12.40
416063	150B-3	Brass	3/4" x 8" ...	12.80
416064	150B-4	Brass	1" x 8" ...	13.00
416040	154P-1	PVC	3/4" x 10" ..	\$ 4.38
416041	154P-2	PVC	1" x 10"....	5.63
416042	154P-3	PVC	1-1/2" x 10"	6.88

Fallbrook Foundry Patterns



416026 → finished product **416011** **416013** **416014** **416017**



416024 **416025** **416030** **416029** **416027** **416028**

Stk.	Mfg.	Pattern	Size	Price
416026	16A	Paper Punch	4"H x 2-1/2"W x 3"D...	\$ 10.90
416011	1A	Star	6"H x 6"W.....	8.82
416013	4A	Candleholders	1-1/2"H x 4" dia.....	11.20
416014	5A	Key	3-1/4"H x 9"W.....	13.20
416017	8A	Anvil	2"H x 5"W.....	9.77
416024	13A	Salt & Pepper	2-3/4"H x 1-5/8" dia....	8.40
416025	14A	Horse	6-1/2"H x 9"W.....	17.40
416030	15A	Eagle	5-1/2"H x 11-1/4"W....	16.40
416029	21A	Drama Masks	7"H x 5-1/2"W.....	22.50
416027	20A-1	Knight Shield	9"H x 6"W.....	12.10
416028	20A-2	Crest Shield	9"H x 5"W.....	17.20

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