



sunstone™

Sunstone 2017 Product Catalog

LASER



Micro TIG



CNC



Resistance



Weld Heads



Weld Attachments



Accessories



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PART NUMBER

DESCRIPTION

PRODUCT PICTURE

PULSE ARC WELDERS

Orion 250i² Welder

Orion 250 i² Welding Power Supply, (welder, swing arm, microscope and all acc. come in one box).

Orion 200i² Welder

Orion 200 i² Welding Power Supply, (welder, swing arm, microscope and all acc. come in one box).



Orion 250s Arm

Orion 250s Micro Pulse Arc Welder with Free-Floating Microscope Package (Orion Arm) (2 boxes)



Orion 250s Base

Orion 250s Micro Pulse Arc Welder & Base Microscope Lens Package (2 boxes)



Orion 250s ADL

Orion 250s Micro Pulse Arc Welder & Darkening Lens Package (2 boxes)



Orion 150s Arm

Orion 150s Welding Power Supply with Swing Arm (2 boxes)



Orion 150s Base



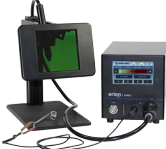


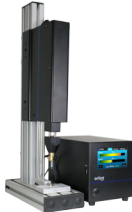
Orion 150s Welding Power Supply with Base Microscope (2 boxes)




Orion 150s ADL


Orion 150s Welding Power Supply with Darkening Lens (2 boxes)



PART NUMBER	DESCRIPTION	PRODUCT PICTURE
Orion 100c Arm	Orion 100c Swing Arm Microscope Package and Accessories (2 boxes)	
Orion 100c Base	Orion 100c Base Microscope Package and Accessories (2 boxes)	
Orion 100c ADL	Orion 100c Darkening Lens Package and Accessories (2 boxes)	
Orion mPulse 30 Upgraded ADL	Orion mPulse 30 joule pulse-arc welder with upgraded auto-darkening lens	
Orion mPulse 30	Orion mPulse 30 joule pulse-arc welder with auto-darkening lens	
Orion Ear Ring Post Welder		

PULSE ARC WELDER ELECTRODES

Orion EL 1.5	Tungsten Electrode Tips (15) 1.5mm.	
Orion EL 1.0	Tungsten Electrode Tips (15) 1.0mm.	
Orion EL 0.5	Tungsten Electrode Tips (15) 0.5mm.	
Orion EL 1.0/0.5	Tungsten Electrode Tips 1.0mm and 0.5mm (10 of each).	


Orion Collet 1.5mm	1.5mm Orion Collet	
Orion Collet 1.0mm	1.0mm Orion Collet	
Orion Collet 0.5 mm	0.5 mm Orion Collet	


PART NUMBER


DESCRIPTION


PRODUCT PICTURE

PULSE ARC WELDER ACCESSORIES


Orion ADL	Orion Darkening Lens Stand (can be paired with any Orion)	
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Orion Stylus	Pulse Arc Welding Stylus. Handpiece for Use with Orion Welders	
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Orion Dremel	Dremel tool for the Diamond wheels, to sharpen the Orion electrodes	
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AGR 2	Precision Argon Gas Regulator, with quick connector.	
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AGR 1	Argon Gas Regulator	
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AGR-Inline	Orion Inline Low Pressure Argon Regulator.	
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Orion Wire Kit A	Includes: 12 in. of 26 gage Sterling Silver wire, 6 in. of 26 gage 14k Yellow Gold wire, 6 in. of 26 gage 14k White Gold wire, and 1 gem guard kit.	
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PART NUMBER	DESCRIPTION	PRODUCT PICTURE
Orion Gem Guard	SHG Gem Guard – 2 vial set	
Orion Weld Att. Pkg.	Orion Pulse Arc Weld Attachment Package. Includes: *Orion Pulse Arc Small Flat Peaked Pliers *Orion Tack Small Double Pole Tweezers *Orion Tack+ *Orion THP+	
Orion Crosslock	Pulse Arc Cross Lock Tweezer	
Orion Brass Lined Pliers	Orion Brass Lined Pliers	
Orion Jump Ring Pliers	Jump Ring Pliers.	
Orion Double Pole	Orion Tack Small Double Pole Tweezers.	



PART NUMBER	DESCRIPTION	PRODUCT PICTURE
Orion SPHP LP	Single Probe Hand Piece – Low Power. 1/4" dia brass shank accepts 1/16" (for Tungsten) or 2mm.	
Orion DPHP LP	Dual Probe Hand Piece – Low Power, 1/4" dia brass shank with 10 AWG cabling, accepts 1/16" copper or 2mm tungsten electrodes (1 pair copper electrodes included).	
Orion THP+	Orion Tweezer Hand Piece. 10 AWG Cabling (6 Feet) with Spade Connectors for use with Orion Welders.	
Orion Tack+	Tack Welding Cables with + and – Alligator Clips. 10 AWG Cabling (6 Feet) with Spade Connectors for use with Orion Welders.	
Orion Tack Alligator Clip	Orion Tack Alligator Clip. 10 AWG cables (3 feet long), with spade terminals. For use with an Orion.	

LASER WELDERS



LZR Combo 200	200J fiber laser welder with articulating arm	
LZR 140	140 Joule laser welder, with built in Camera.	
LZR 100	100 Joule Laser Welder, with built in Camera.	
LZR 60	60 Joule laser welder, with built in Camera.	



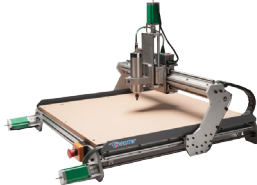
LASER ENGRAVERS/CUTTERS

LZR ENG 100 3D	100 Watt Laser Engraver for 3D parts.	
LZR ENG 50 3D	50 Watt Laser Engraver for 3D parts.	
LZR ENG 30 3D	30 Watt Laser Engraver for 3D parts	
LZR ENG 20 3D	20 Watt Laser Engraver for 3D parts	


PART NUMBER	DESCRIPTION	PRODUCT PICTURE
LZR ENG 100	100 Watt Laser Engraver.	
LZR ENG 50	50 Watt Laser Engraver.	
LZR ENG 30	30 Watt Laser Engraver.	
LZR ENG 20	20 Watt Laser Engraver.	
LZR ENG 20 Nano	20 Watt Laser Engraver with manual z-axis movement	
LZR ENG 10 Nano	10 Watt Laser Engraver with manual z-axis movement	
LZR ENG Acc. Pkg.	XY clamp, Rotary Ring Clamp, Vacuum extractor,	
LZR XY Clamp	XY Clamp for engraving.	
LZR Ring Clamp	Rotary ring clamp for engraving on the inside and the outside of rings.	
LZR ENG Vacuum	Vacuum extractor for LZR Engraver	

PULSE ARC COPPER WELDING SYSTEMS





Orion 250i2 EV System	Orion EV Welding System. Includes Orion 250i ² welder and WHEV Pro 1 weld head, electrode starter kit, a Roll of SC500N10 Copper, AGR-Inline, AGR2 & 1/4" argon tube splitter fitting.	
Orion 250i2 EV Arm Pkg.	Orion Swing Arm Microscope, Orion stylus & all standard Orion 250i2 accessories.	
WHEV Jan 1	Includes all of the parts needed to complete the Orion 250i2EV system, that don't come included with a normal Orion 250i2. WHEV weld head, Steel collet nut, Brass nose cone with grounding cable, RJ11 connection cord, Base slide plate, Lower base and vertical upright that the WHEV head rides on, 2 black pressurized air hoses, 12v MAC valve, Argon splitter. *** Mountable on the Janome Robot	

PART NUMBER	DESCRIPTION	PRODUCT PICTURE
CNC-EV Jan 1	Janome JR3403N-A Robot and controls for Orion EV Welding System (Robot only, Weld Head not included)	
WHEV Pro 1	<p>Includes all of the parts needed to complete the Orion 250i2EV system, that don't come included with a normal Orion 250i2. WHEV weld head, Steel collet nut, Brass nose cone with grounding cable, RJ11 connection cord, Base slide plate, Lower base and vertical upright that the WHEV head rides on, 2 black pressurized air hoses, 12v MAC valve, Argon splitter, I2 PLC converter box.</p> <p>*** Mountable on the Probotix tables</p>	
CNC-EV Pro 1	Probotix Comet CNC Table and controls for Orion EV Welding System	


DC RESISTANCE WELDERS


Linear DC	<p>Linear DC Welding power supply, with 12v MAC valve included, for ACS use.</p> <p>Intuitive touch screen, updateable, 10-2500amps, 0.01-500ms timing,</p>	
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DUAL PULSE CD RESISTANCE WELDERS

CD1100DP	1100ws Dual Pulse Industrial CD Spot Welder.	
CD1100DP-RS	1100 watt-second capacitive discharge spot welder with Roll Spot software.	
CD1000DP	1000ws Dual Pulse Industrial CD Spot Welder.	
CD1000DP-RS	1000 watt-second capacitive discharge spot welder with Roll Spot software.	


PART NUMBER	DESCRIPTION	PRODUCT PICTURE
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CD600DP	600ws Dual Pulse Industrial CD Spot Welder.	
CD600DP-RS	600 watt-second capacitive discharge spot welder with Roll Spot software.	


CD400DP	400ws Dual Pulse Industrial CD Spot Welder.	
CD400DP-RS	400 watt-second capacitive discharge spot welder with Roll Spot software.	

CD200DP	200ws Dual Pulse Industrial CD Spot Welder.	
CD200DP-RS	200 watt-second capacitive discharge spot welder with Roll Spot software.	

SINGLE PULSE CD RESISTANCE WELDERS

CD200SPM	200ws Single Pulse Research and Light Production Resistance Spot Welder.	
CD100SPM	100ws Single Pulse Research and Light Production Resistance Spot Welder.	

AC RESISTANCE WELDERS

AC 15.0 kVA	15kVA, 220-240v AC Welding Power Supply.	
AC 5.0 kVA	5.0kVA, 220-240v AC Welding Power Supply.	

AC 2.2 kVA	2.2kVA, 220-240v AC Welding Power Supply.	
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PART NUMBER

DESCRIPTION

PRODUCT PICTURE

RESISTANCE WELDING WELD HEADS

WH1187A HF

WH1187 HF, High Force Opposed, MAC Valve Air-Actuated Weld Head with foot pedal, trigger cable, 1 AWG Welding Cables, 3/16" electrodes.



WH1125A

WH1125A Opposed, MAC Valve Air-Actuated Weld Head with foot pedal, trigger cable, 1 AWG Welding Cables, 1/8" electrodes.



WH1125M

WH1125M Opposed, Mechanical Weld Head with foot pedal, trigger cable, 1 AWG Welding Cables, 1/8" electrodes.

WH1250 EL Upgrade

Opposed Weld Head 1/4" Electrode Holders and Electrodes.

WH2125A

WH2125A series/parallel, MAC Valve Air-Actuated Weld Head with foot pedal, trigger cable, 1 AWG Welding Cables, Glydco electrodes (1 pair). Includes a base plate.



WH2125M

WH2125M series/parallel, Manually-Actuated Weld Head with foot pedal, trigger cable, 1 AWG Welding Cables, Glydco electrodes.

WH2250 EL Upgrade

Parallel Weld Head 1/4" Electrode Holders and Electrodes.

MWH3000 Opposed

Opposed Gap Micro Weld Head. Ranges between 350-3000gF. Manually Actuated. Includes Swing Arm & Microscope, 5x/10x Magnification with Light Source.



MWH3000 Parallel

Parallel Gap Micro Weld Head. Ranges between 350-3000gF. Manually Actuated. Includes Swing Arm & Microscope, 5x/10x Magnification with Light Source.



PART NUMBER

DESCRIPTION

PRODUCT PICTURE

RESISTANCE WELDING HAND ATTACHMENTS

PG1/2 The PG1/2 is the smallest single side gun. It can be fitted with a straight or 90degree tip. Triggered with a foot pedal. Accepts threaded electrodes.

PG1 The PG1 is the smallest single side gun. It can be fitted with a straight or 90 degree tip and has a built in switch. Accepts threaded electrodes.



PG2 Pistol Grip Hand Piece with Button Trigger. Accepts threaded electrodes.



PG2W The PG2W is a water cooled hand piece. Accepts threaded electrodes. Industrial uses.



PG3W The PG3W is water cooled hand piece. Accepts compression electrodes. Heavy duty industrial uses.

PG4 The PG4 gun is designed as a series welder. This gun will apply 2 spots simultaneously. Accepts compression electrodes.



PG5M The PG5M miniature pliers, uses 1/8" electrodes.



EL PG Threaded 3/8" Diameter, Tapered Copper Electrode (threaded) for PG2 and PG1.
















EL PG Wheel 2" Copper Wheel electrode, threaded fitting style.



EL PG Compression 2" Copper Wheel electrode, compression fitting style.



PART NUMBER	DESCRIPTION	PRODUCT PICTURE
EL PG Adapter 125	Threaded adapter for the Poke hand pieces, accepts a 1/8th inch electrode.	
EL PG Adapter 187	Threaded adapter for the Poke hand pieces, accepts a 3/16th inch electrode.	
PASP2	Pistol grip, pressure actuated single probe with adjustable pressure.	
PASP HP	Pressure-Actuated Single Probe Hand Piece Attachment with Large Alligator Clip for simple setup.	
PASP HP RS	Pressure-Actuated Single Probe Hand Piece Attachment (with Large Alligator Clip) for Roll Spot welding. Accepts 1/4" dia electrodes, such as EL-Roll(included).	
EL-ROLL	Pressure-Actuated Single Probe Hand Piece Wheel	
SPHP	Single Probe Hand Piece	
SPHP LP	Single Probe Hand Piece - Low Power. 1/4" dia brass shank accepts 1/16"(for Tungsten) or 2mm.	
SPHP MP	Single Probe Hand Piece - Medium Power, 5/8" dia brass shank with 4 AWG cabling, accepts 1/8' electrodes.	
SPHP HP	Single Probe Hand Piece - High Power. 7/8" dia brass shank accepts 3/16' electrodes.	
DPHP Micro	Micro Micro Welding Hand Piece for Use with DC Welders. Includes one thermal compression bonding hand piece with one MEL-TCB-FL electrode. *** For use with thermocompression electrodes.	

PART NUMBER	DESCRIPTION	PRODUCT PICTURE
DPHP	Dual Probe Hand Piece	
DPHP LP	Dual Probe Hand Piece – Low Power, 1/4" dia brass shank with 8 AWG cabling, accepts 1/16" copper or 2mm tungsten electrodes (1 pair copper electrodes included).	
DPHP MP	Dual Probe Hand Piece – Medium Power 5/8" dia brass shank with 4 AWG cabling, accepts 1/8" electrodes (1 pair copper electrodes included).	
DPHP HP	Dual Probe Hand Piece – High Power 7/8" dia brass shank with 1 AWG cabling, accepts 3/16" electrodes (1 pair copper electrodes included).	
Hand Piece Package	Hand Piece RWMA II Package includes Sunstone's DPHP, SPHP, & THP-A weld attachments.	
PTHP LP	Pressure-Actuated Tweezer Hand Piece: Low Power. 3/16" diameter Electrodes.	
EL187RWMA-ANG	3" Copper (Angled) Electrodes, 3/16" diameter (1 pair).	
EL187MOLY-ANG	3" Molybdenum (Angled) Electrodes, 3/16" diameter (1 pair).	
PTHP MP	Pressure-Activated Tweezer Hand Piece: Moderate Power. 3/16" dia. Electrodes	
PTHP HP	Pressure-Activated Tweezer Hand Piece: High Power. 3/16" dia. Electrodes	
THP-P	Pneumatic Tweezer Hand Piece.	
ACS	Air Control System – Regulates Compressed Air Functionality for Pneumatic Weld Attachments, and Controls Shielding Gas such as Argon.	

PART NUMBER
DESCRIPTION
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RESISTANCE WELDING ELECTRODES

EL125BATT 2.5" Battery Style Copper GlidCop Electrodes, 1/8" diameter (1 pair).

EL250BATT 2.5" Battery-Style Copper Glidcop Electrodes, 1/4" diameter (1 pair).



EL062RWMA 2" RWMA II Electrodes, 1/16" diameter (1 pair).

EL125RWMA 2" RWMA II Copper Electrodes, 1/8" diameter (1 pair).

EL125RWMA3 3" RWMA III Electrodes, 1/8" diameter (1 pair).

EL187RWMA 2" Copper Electrodes, 3/16" diameter (1 pair).

EL250RWMA 2" Copper Electrodes, 1/4" diameter (1 pair).



EL062STUNG 2" Pure Tungsten Electrodes, 1/16" diameter (1 pair).

EL125TUNG 2" Pure Tungsten Electrodes, 1/8" diameter (1 pair).

EL187TUNG 2" Pure Tungsten Electrode, 3/16" diameter (1 Pair).



EL125TUNG7 7" Pure Tungsten Electrodes, 1/8" diameter (1 pair).

EL187TUNG7 7" Pure Tungsten Electrodes, 3/16" diameter (1 Pair).



EL125MOLY 2" Molybdenum Electrodes, 1/8" diameter (1 pair).

EL187MOLY 2" Molybdenum Electrodes, 3/16" diameter (1 pair).



EL Honeycomb Flat Honeycomb Tack Electrode Flat.

EL Honeycomb Radius Honeycomb Tack Electrode Radiused.










MEL AG Square, Adjustable Gap Glidcop Micro Electrodes for Micro Weld Head. 0.015" x 0.025" Face Tip (1 pair). Best for fine, Non coated, resistive wires.






MEL AMO Square, Adjustable Gap Molybdenum Micro Electrodes for Micro Weld Head. 0.015" x 0.025" Face Tip (1 pair) - Best for fine, Non coated, conductive wires.





PART NUMBER	DESCRIPTION	PRODUCT PICTURE
MEL BMO	Square, Fixed/Bonded 0.0015" Gap Molybdenum Micro Electrodes for Micro Weld Head. 0.010" x 0.010" Face Tip (1 pair). Best for very fine, Non coated, conductive wires.	
MEL TCB .25mm ²	Micro, thermocompression bonded electrode with a 0.25mm x 0.25mm flat face, 5 electrode pack.	
MEL TCB FL	1/8" Tungsten Flat Thermal Compression Bonded Micro Electrodes (5 Pair). For use with fine magnet wires, using low voltages during welds. Medium range uses.	
MEL TCB SL	1/8" Tungsten Slant Thermal Compression Bonded Micro Electrodes (5 Pair). For use with fine magnet wires, using low voltages during welds. Designed to weld and 'cut' the wire simultaneously.	
MEL TCB SmFl	Micro, Thermocompression electrode with a small, flat face: 0.4mm x 0.5mm. Perfect for small magnet wires. (5 electrode pack).	
MEL TCB SY	1/8" Tungsten Symmetrical Thermal Compression Bonded Micro Electrodes (5 Pair). For use with very fine magnet wires, using very low voltages during welds. Very precise.	
MEL TCB U	1/8" Tungsten U-Shaped Thermal Compression Bonded Micro Electrodes (5 Pair). For use with larger magnet wires, using higher voltages during welds.	

RESITANCE WELDING ACCESSORIES

ESHK	External Switch Hookup Cable.	
Foot Switch - HDMI	Foot Switch with HDMI connector for welders.	
Foot Switch 3 Pin	Foot Switch 3 Pin.	


BATTERY WELDING ACCESSORIES

SNPSP	Nickel Precut Sample Pack.	
SN0625N34 0.08L	0.0625" wide x 0.003" thick x 0.08" length pre-cut tabs .	
SN125N34 .8L	0.125"w x 0.003"t x 0.80"L pre-cut nickel strip 250pc.	
SN125N54 .75L	0.125"w x 0.005"t x 0.75"L pre-cut nickel strip 250pc.	
SN250N54 1.125L	0.25"w x 0.005"t x 1.125"L pre-cut nickel strip 250pc.	
SN375N54 1.125L	0.375"w x 0.005"t x 1.125"L pre-cut nickel strip 250pc.	

SN Spooled Sample	Nickel Spool Sample Pack.	
SN0625N34	0.0625" x 0.003" Nickel Strip, 25 ft. spool.	
SN125N34	0.125"w x 0.003"t x 25"L spooled nickel strip.	
SN125N54	0.125"w x 0.005"t x 25"L spooled nickel strip.	
SN250N54	0.250"w x 0.005"t x 25"L spooled nickel.	
SN375N54	0.375" x 0.005" x 25"L spooled nickel strip.	

Spooled Copper SC500N10	Copper Spool 0.500"w x 0.010"t spooled copper strip. 25 ft. spool.	
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Fish Paper	8.75" x 11.75" Adhesive Fish Paper (10 sheets) 0.010 thick.	
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Shrink Wrap	100's of options available. Please inquire for prices. Specifications needed: diameter of tube, thickness of wall, color and length.	
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PART NUMBER

DESCRIPTION

PRODUCT PICTURE

Mail:

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Payson, UT 84651

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