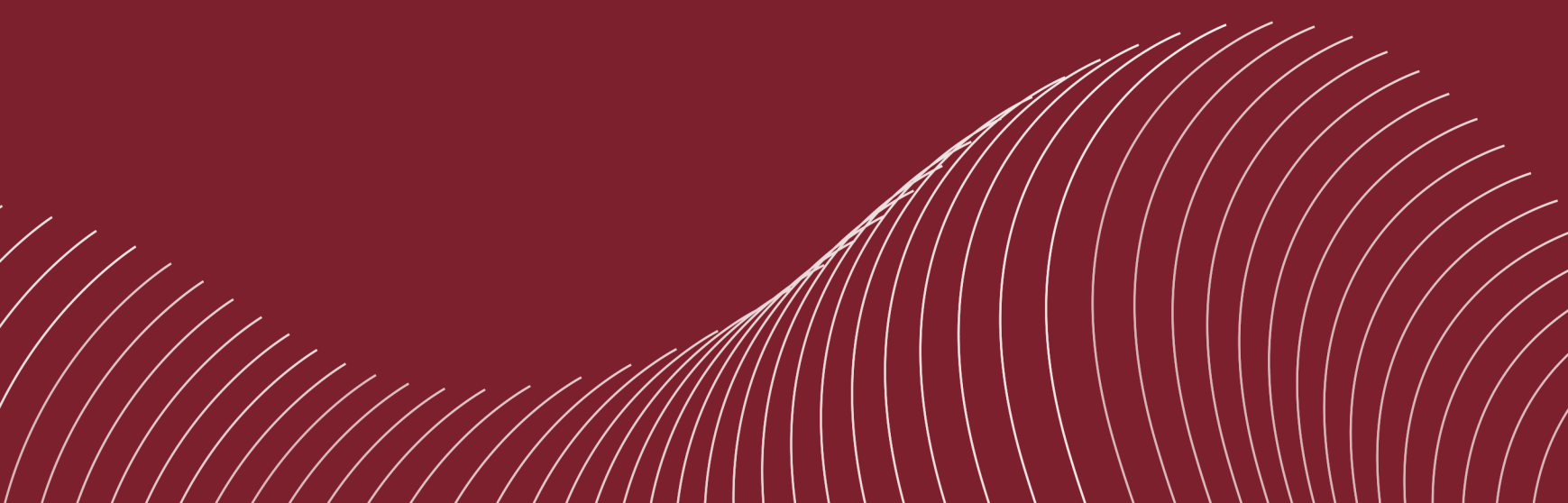
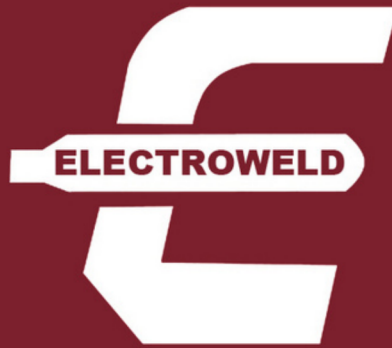




**ELECTROWELD  
MANUFACTURING  
CORPORATION**

**PRODUCT CATALOGUE**



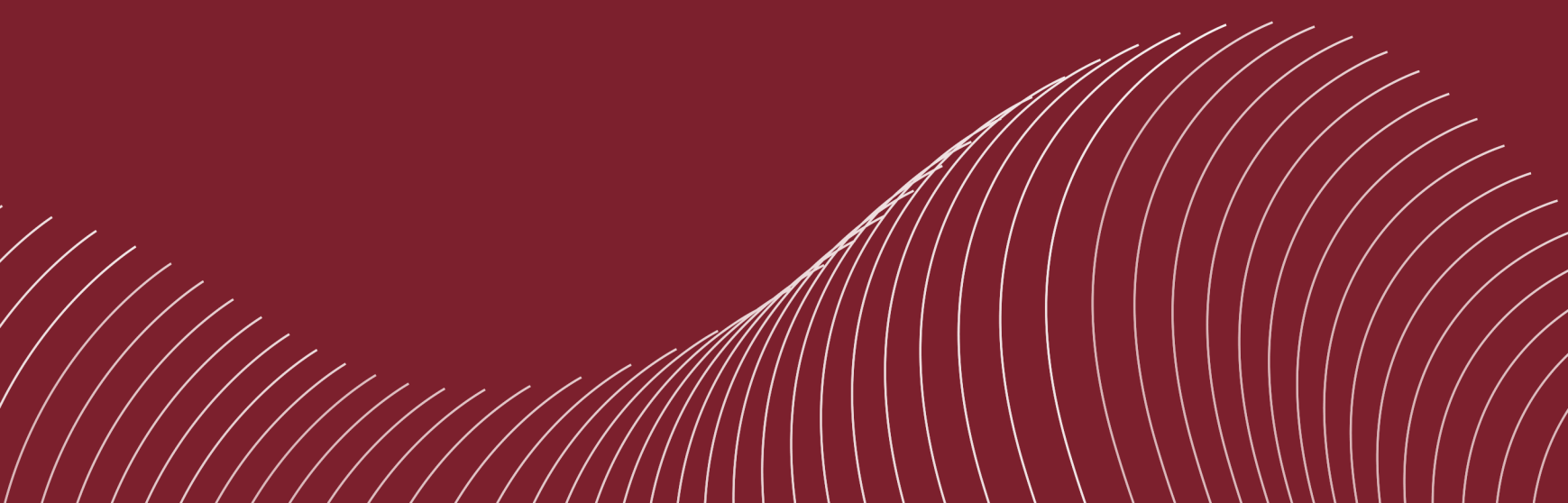


**Electroweld Manufacturing Corporation** is a Philippine-based company which supplies all your welding and cutting needs—welding rods, welding wires and filler wires, welding and cutting machines, as well as welding accessories.






Since 1979, we have been manufacturing all types of welding rods, from high rutile and cellulosic type for mild steel, low hydrogen for higher tensile steels, stainless steel and cast iron electrodes, as well as electrodes for hard-surfacing materials. Our welding rods are certified by the American Bureau of Shipping (ABS).

Since 2013, we have been distributing IGBT inverter-type welding machines under the brands SOLAR and ASTRO. We brought in MIG and TIG welding consumables to accommodate all the welding demands of our customers. We also distribute other welding accessories, personal protective equipment, and PEGATEC grinding and cutting tools.

We serve a wide range of customers all over the Philippines in the industries of construction, fishing, shipbuilding and steel fabrication.



# MILD STEEL (SMAW)






ITEM	SAMPLE PHOTO	DIAMETER (MM)	DIAMETER (INCH)	AMPERAGE
ELECTROWELD 6010 (AWS E6010)		2.6 3.2 4.0 5.0	3/32" 1/8" 5/32" 3/16"	50-90 80-120 130-160 170-210
ELECTROWELD 6011 (AWS E6011)		2.6 3.2 4.0 5.0	3/32" 1/8" 5/32" 3/16"	50-90 80-120 105-180 150-230
ELECTROWELD 6012 (AWS E6012)		2.6 3.2 4.0 5.0	3/32" 1/8" 5/32" 3/16"	50-90 60-120 105-180 150-230
ELECTROWELD 6013 (AWS E6013)		2.6 3.2 4.0 5.0	3/32" 1/8" 5/32" 3/16"	50-90 80-120 105-180 150-230
ELECTROWELD GP-13 (AWS E6013)		2.6 3.2 4.0 5.0	3/32" 1/8" 5/32" 3/16"	50-90 80-120 105-180 150-230



# MILD STEEL (SMAW)

ITEM	DESCRIPTION	APPLICATION
ELECTROWELD 6010 (AWS E6010)	Thinly coated electrode with a powerful and stable arc. Deep penetration for all position welding. DC(+)	Welding of general structures such as pipe and steel structures. Good for easy vertical downward welding.
ELECTROWELD 6011 (AWS E6011)	High cellulose type electrode with deep penetrating arc. Easy to ignite and control, minimal slag. For all position welding. AC, DC(+)	Welding in narrow grooves, pipes, structural works, ship repairs, sheet steels, bridges, boilers, barges. Good for vertical and overhead welding.
ELECTROWELD 6012 (AWS E6012)	High rutile electrode. Operation is easy, arc is quiet, smooth bead appearance, and easy slag removal. All position welding. AC, DC(+)	Welding of thin plates and mild steel sheets, construction works, car and truck body steel furniture, finishing weld on heavy sections.
ELECTROWELD 6013 (AWS E6013)	High rutile electrode with a beautiful bead appearance. Shallow penetration, calm arc, minimal spatter, easy slag removal. All position welding. AC, DC	Welding of mild steel in construction and steel fabrications, tanks, cars and trucks, window grills, steel doors and frames, farm equipment, machinery and maintenance.
ELECTROWELD GP-13 (AWS E6013)	High rutile electrode that provides a stable arc, easy slag detachability, and good bead appearance. All position welding. AC, DC	Welding steel tanks, structural steel fabrication, vehicles, furniture, equipment, machineries, etc. Alternative to E6013 in most cases.

# HIGH TENSILE STEEL (SMAW)






ITEM	SAMPLE PHOTO	DIAMETER (MM)	DIAMETER (INCH)	AMPERAGE
ELECTROWELD 7014 (AWS E7014)		3.2 4.0 5.0	1/8" 5/32" 3/16"	90-140 120-200 140-250
ELECTROWELD 7016 (AWS E7016)		2.6 3.2 4.0 5.0	3/32" 1/8" 5/32" 3/16"	50-80 90-120 130-160 160-200
ELECTROWELD 7018 (AWS E7018)		2.6 3.2 4.0 5.0	3/32" 1/8" 5/32" 3/16"	60-100 90-140 120-200 140-240
ELECTROWELD 9016 (AWS E9016)		3.2 4.0	1/8" 5/32"	90-140 140-180
ELECTROWELD 9018 (AWS E9018)		3.2 4.0	1/8" 5/32"	90-140 140-180



# HIGH TENSILE STEEL (SMAW)

ITEM	DESCRIPTION	APPLICATION
<p>ELECTROWELD 7014 (AWS E7014)</p>	<p>High rutile and iron powder electrode that has smooth and stable arc, low spatter, easy slag removal and beautiful bead appearance. Low to medium penetration. All positions. AC, DC (+)</p>	<p>Construction equipment, bridges, structural steel, metal fixtures, automotive parts, barges and farm machinery. Useful for projects in damp conditions.</p>
<p>ELECTROWELD 7016 (AWS E7016)</p>	<p>Low hydrogen electrode with quiet arc and minimal spatter. Recommended for crack-free and porosity-free welds. Used in highly restrained joints. All positions. AC, DC (+)</p>	<p>Bridges, shipbuilding, heavy steel plating and castings, and pressure vessels. Applicable to low alloy, high and medium carbon, high sulfur, cold rolled steels, and other difficult-to-weld steels.</p>
<p>ELECTROWELD 7018 (AWS E7018)</p>	<p>Low hydrogen electrode with high working efficiency for all positions. Excellent crack resistance for high tensile welding. All positions. AC, DC (+)</p>	<p>Welding of low alloy structural steel, extremely thick mild steel plates, carbon steel, pressure vessel, boilers, etc.</p>
<p>ELECTROWELD 9016 (AWS E9016)</p>	<p>Low hydrogen type electrode for all-position welding. Provides a high deposit rate, steady arc, and good slag removal. Excellent crack resistance and mechanical properties. AC, DC(+)</p>	<p>Shipbuilding, offshore structures, high pressure pipes, pressure vessels, penstocks, bridges, machine fabrication.</p>
<p>ELECTROWELD 9018 (AWS E9018)</p>	<p>Low hydrogen all position electrode for welding higher strength steels. Resists moisture under high heat and humidity. AC, DC(+)</p>	<p>Cranes and other heavy transport equipment, pressure vessels, boilers, pipes, and offshore equipment.</p>

# STAINLESS STEEL (SMAW)

ITEM	SAMPLE PHOTO	DIAMETER (MM)	DIAMETER (INCH)	AMPERAGE
ELECTROWELD SS-308/308L (AWS A5.4 E308-16 AWS A5.4 E308-16L)		1.6 2.0 2.6 3.2 4.0	1/16" 5/64" 3/32" 1/8" 5/32"	15-30 30-50 45-70 70-100 100-140
ELECTROWELD SS-309/309L (AWS A5.4 E309-16 AWS A5.4 E309-16L)		2.6 3.2	3/32" 1/8"	45-70 70-100
ELECTROWELD SS-310/310L (AWS A5.4 E310-16 AWS A5.4 E310-16L)		2.6 3.2	3/32" 1/8"	45-80 65-100
ELECTROWELD SS-312 (AWS A5.4 E312-16)		2.6 3.2 4.0	3/32" 1/8" 5/32"	45-80 60-110 90-150
ELECTROWELD SS-316/316L (AWS A5.4 E316-16 AWS A5.4 E316-16L)		2.6 3.2 4.0	3/32" 1/8" 5/32"	45-80 70-120 100-140





# STAINLESS STEEL (SMAW)





ITEM	DESCRIPTION	APPLICATION
<p>ELECTROWELD SS-308/308L (AWS A5.4 E308-16 AWS A5.4 E308-16L)</p>	<p>Lime titania electrode that deposits weld metal of 19%Cr-9%Ni. Has stable arc, easy slag removal, easy to weld, beautiful bead appearance. Good resistance against heat and corrosion. AC, DC (+)</p>	<p>Suitable as protective surfacing on steels that require corrosion resistance and mild impact. Used for chemical food beverage, distillery, fertilizer, equipment and tanks.</p>
<p>ELECTROWELD SS-309/309L (AWS A5.4 E309-16 AWS A5.4 E309-16L)</p>	<p>Lime titania electrode depositing 23%Cr-13%Ni weld metal. Resistant to corrosion and oxidation at elevated temperatures. Very tough. AC, DC (+)</p>	<p>Used to weld AISI 309 steels, straight chrome steels, and welding dissimilar steels, e.g. mild to stainless steel, low alloy to stainless steel.</p>
<p>ELECTROWELD SS-310/310L (AWS A5.4 E310-16 AWS A5.4 E310-16L)</p>	<p>Lime titania electrode depositing 25% Cr-20% Ni stainless steel weld metal. High resistance against corrosion and oxidation even at high temperatures. Exhibits high ductility and strength. AC, DC (+)</p>	<p>Welding 25%Cr-20%Ni stainless steel and 18% Cr-8% Ni stainless clad steel. Can weld dissimilar steel, e.g. mild to Cr-Mo steel, heat-resistant to heat-treated alloy steel, carbon to stainless steel.</p>
<p>ELECTROWELD SS-312 (AWS A5.4 E312-16)</p>	<p>Lime titania electrode depositing 29% Cr-9% Ni weld metal. Weld metal contains ferrite, resulting in high resistance against cracks. AC, DC (+)</p>	<p>Welding dissimilar metals such as stainless steel to mild steel or low alloy steel. Also used as underlaying build up of hardsurfacing.</p>
<p>ELECTROWELD SS-316/316L (AWS A5.4 E316-16 AWS A5.4 E316-16L)</p>	<p>Lime titania electrode depositing 20% Cr-12% Ni-2% Mo austenitic stainless steel. Excellent resistance against sulfuric, phosphoric, acetic acids. Good creep strength. AC, DC (+)</p>	<p>Welding AISI 316 stainless steel, and joining dissimilar metals, e.g. mild and stainless steel. Used as underlaying build up for hardsurfacing.</p>



# CAST IRON (SMAW)

ITEM	SAMPLE PHOTO	DIAMETER (MM)	DIAMETER (INCH)	AMPERAGE
ELECTROCAST 100 (AWS A5.15 ENiCl)		3.2 4.0	1/8" 5/32"	70-120 100-140
ELECTROCAST 55 (AWS A5.15 ENiFe-Cl)		3.2 4.0	1/8" 5/32"	80-120 120-150

# HARDFACING - CUTTING - GOUGING

TYPE	SAMPLE PHOTO	DIAMETER (MM)	DIAMETER (INCH)	AMPERAGE
ELECTROHARD 300		3.2 4.0 5.0	1/8" 5/32" 3/16"	110-140 140-170 180-220
ELECTROHARD 600		3.2 4.0 5.0	1/8" 5/32" 3/16"	120-150 150-190 180-230
ELECTROHARD 800		3.2 4.0 5.0	1/8" 5/32" 3/16"	120-150 150-190 180-230
ELECTROGROOVE		3.2 4.0 5.0	1/8" 5/32" 3/16"	150-180 230-280 280-330





# CAST IRON (SMAW)

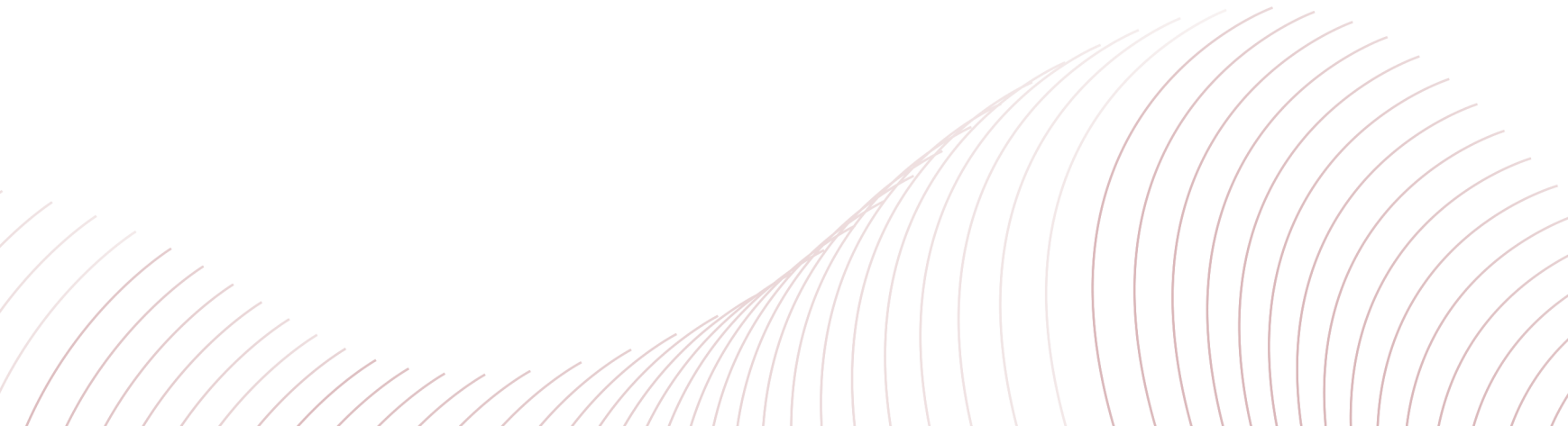
ITEM	DESCRIPTION	APPLICATION
ELECTROCAST 100 (AWS A5.15 ENiCl)	Pure nickel core wire electrode designed to deposit crack-free, easily machinable weld metal. Used at low current to minimize heat input. Little spatter, very stable arc, shallow penetration. AC, DC (+)	Cold repair and joining of alloy and ductile cast iron, or other cast iron where strength and machinability are required. Cylinder heads and blocks, manifolds, motor and gear housing, etc.
ELECTROCAST 55 (AWS A5.15 ENiFe-Cl)	Graphite-coated electrode with ferronickel core wire. It exhibits high crack resistance with a strong and ductile weld deposit. Welded area is resistant to air or water pressure. AC, DC (+)	Welding modular, ductile and malleable cast iron, or other cast iron parts where strength, ductility and machinability are needed. For heavy machine base, cylinder heads and blocks.

# HARDFACING - CUTTING - GOUGING




ITEM	DESCRIPTION	APPLICATION
ELECTROHARD 300	Titania type electrode designed for good machining property. Easy use. AC, DC (-)	Overlaying worn plates such as crane wheels, bulldozer and scraper blades, crusher, dipper, tip and tooth, etc.
ELECTROHARD 600	Low hydrogen-type electrode depositing weld metal of martensite structures. With self-hardening properties. Machining is not possible. AC, DC (+)	Suitable for soil abrasion, and light impact abrasion. Typically used for hardsurfacing of bulldozer links, bucket edges, dipper teeth, etc.
ELECTROHARD 800	Used for severe abrasion, light impact and corrosion resistance. Produces an extremely hard, martensite-structure weld deposit even at high heat. Not machinable as is. AC, DC (+)	Used for bucket teeth, valve seats, mixers, mill hammers, soil abrasion equipment, as well as other mild, carbon, alloy, and manganese steels.
ELECTROGROOVE	Forced gas electrode which gives out forceful spray and high temperature arc that can melt and cut various kinds of metal. AC, DC	Gouging, back chipping, removal of welding defects and unwanted sections, cutting, holing, etc.

# WELDING WIRES (GMAW)






ITEM	SAMPLE PHOTO	DESCRIPTION	DIAMETER (MM)
<p>ELECTROWELD MIG WIRE (AWS A5.18 ER 70S-6)</p>		<p>General purpose MIG welding wire for the fabrication of mild steel. All position welding.</p>	<p>0.8 1.0 1.2</p>
<p>ELECTROWELD ALUMINUM 5356 MIG WIRE (AWS A5.10 ER 5356)</p>		<p>5% magnesium aluminum filler metal for MIG welding processes. All position welding.</p>	<p>1.0 1.2</p>
<p>ELECTROWELD FLUX CORED WIRE (AWS A5.20 E71T-1)</p>		<p>Flux cored welding wire for all positions including vertical down. for single and multiple pass.</p>	<p>1.2</p>
<p>ELECTROWELD GASLESS FLUX CORED WIRE (AWS A5.20 E71T-11)</p>		<p>A self-shielding, all-position, general-purpose flux cored wire designed for light fabrication. Good for single pass on thinner gauged material or limited multi-pass on thicker sections.</p>	<p>0.8</p>



# WELDING WIRES AND FLUX (SAW)

ITEM	SAMPLE PHOTO	DESCRIPTION	DIAMETER (MM)
<p>ELECTROWELD EL8 (AWS A5.17 EL8)</p>		<p>Copper-coated general purpose solid wire with less than 1% Mn content. Capable of making single pass or multiple pass welding of mild and medium carbon structural steels.</p>	<p>3.2 4.0</p>
<p>ELECTROWELD EM12K (AWS A5.17 EM12K)</p>		<p>Copper-coated solid wire for submerged arc welding with 1% Mn and 0.2% Si content. Used for the welding of carbon and C-Mn steels.</p>	<p>3.2 4.0</p>
<p>ELECTROWELD SJ-301 FLUX (AWS-A5.17 F6A0-EL8) (AWS-A517 F7A2-EM12K)</p>		<p>Calcium silicate-type neutral flux. Basicity factor about 1.0. Particle size at 2.0-0.28mm (10-60 mesh). Can be used for AC and DC.</p>	<p>---</p>

# TIG FILLER RODS (GTAW)

ITEM	SAMPLE PHOTO	DESCRIPTION	DIAMETER (MM)
<p>ELECTROWELD ER 70S-6 MILD STEEL TIG FILLER ROD (AWS A5.18 ER 70S-6)</p>		<p>Deoxidized welding wire containing high levels of manganese and silicon for GTAW.</p>	<p>1.6 2.4</p>
<p>ELECTROWELD STAINLESS STEEL 308 TIG FILLER ROD (AWS A5.9 ER 308)</p>		<p>Low carbon solid stainless steel wire for TIG welding of low carbon 18% Cr –8% Ni stainless steel, such as AISI 304, 308, and equivalent types.</p>	<p>1.6 2.4</p>
<p>ELECTROWELD ALUMINUM ER 5356 TIG FILLER ROD (AWS A5.10 ER 5356)</p>		<p>5% magnesium aluminum filler metal for TIG welding.</p>	<p>1.6 2.4</p>
<p>ELECTROWELD TUNGSTEN ROD WP20 (Green tip) (AWS EWP)</p>		<p>Pure tungsten electrodes with 99.5% tungsten. Features the highest consumption rate for TIG electrodes.</p>	<p>1.6 2.4</p>
<p>ELECTROWELD 2% THORIATED TUNGSTEN ROD WT20 (Red tip) (AWS EWTh-2)</p>		<p>Thoriated tungsten electrodes with a minimum of 97.30% tungsten and up to 2.20% thorium for longevity and ease of use.</p>	<p>1.6 2.4</p>

# OTHER WELDING CONSUMABLES AND ACCESSORIES

ITEM	SAMPLE PHOTO	SPECIFICATIONS
PEGATEC GRINDING DISC		100x6.0x16mm
PEGATEC CUTTING DISC		<ul style="list-style-type: none"> <li>• 105x1.0x16mm</li> <li>• 100x2.5x16mm</li> </ul>
ELECTROWELD WELDING CABLE		<ul style="list-style-type: none"> <li>• 2/0' (150 meters)</li> <li>• 3/0' (100 meters)</li> </ul>
FULL BRASS LENCO-TYPE ELECTRODE HOLDER		<ul style="list-style-type: none"> <li>• 300 Amperes</li> <li>• 500 Amperes</li> </ul>
COPPER-COATED LENCO-TYPE ELECTRODE HOLDER		<ul style="list-style-type: none"> <li>• 300 Amperes</li> <li>• 500 Amperes</li> </ul>
ELECTROWELD WELDING MASK		Auto-darkening or Clear glass
ELECTROWELD WELDING APRON		100% Real leather
ELECTROWELD WELDING GLOVES		100% Real leather Cloth or Polyester lining

# IGBT INVERTER WELDING MACHINES

<b>MODEL</b>	<b>FEATURES</b>	<b>APPLICABLE ROD/WIRE</b>
<p>SOLAR ARC 220 SOLAR ARC 300</p>	<ul style="list-style-type: none"> <li>• Variable ampere control with digital display</li> <li>• Equipped with temperature, voltage and current sensors for extra protection</li> <li>• Outstanding arc stability with low spatter</li> <li>• Generator-friendly</li> <li>• Solar Arc 300 is more heavy duty than Solar Arc 220</li> </ul>	<p>Usable for electrodes with diameter of 1.6mm to 4.0mm</p>
<p>SOLAR MAXIARC 315 LT SOLAR MAXIARC 415 LT</p>	<ul style="list-style-type: none"> <li>• Variable ampere control with digital display for accurate welding current</li> <li>• Equipped with temperature, voltage and current sensors for extra protection</li> <li>• Outstanding arc stability with low spatter</li> <li>• Built-in functions for "Hot Start", "Anti-Sticking" and "Arc Force"</li> <li>• Capable of TIG welding with "Lift TIG" mode</li> <li>• With "Voltage Reduction Device" for extra safety</li> <li>• Generator-friendly</li> <li>• Solar Maxiarc 415 LT is more heavy duty than Solar Maxiarc 315 LT</li> </ul>	<p>Usable for electrodes with diameter of 1.6mm to 5.0mm</p>
<p>SOLAR MIG 250-1</p>	<ul style="list-style-type: none"> <li>• Variable ampere control with digital display for accurate welding current</li> <li>• Equipped with waveform control for added arc stability even at low current</li> <li>• With temperature, voltage and current sensors for extra protection</li> </ul>	<p>Usable for MIG wires up to 1.2mm</p>

# IGBT INVERTER WELDING MACHINES



**SOLAR ARC 220**

**SOLAR ARC 300**

<b>INPUT VOLTAGE</b>	1-220V ± 10%	1-220V ± 10%
<b>INPUT POWER</b>	10 KVA	10 KVA
<b>FREQUENCY</b>	60Hz	60Hz
<b>CURRENT RANGE</b>	10-220A	10-300A
<b>DUTY CYCLE</b>	100% @ 160A 60% @ 220A	100% @ 160A 60% @ 220A
<b>WEIGHT</b>	7KG	7KG
<b>DIMENSIONS</b>	42x21x27cm	42x21x27cm

**SOLAR MAXIARC 315 LT**

**SOLAR MAXIARC 415 LT**

<b>INPUT VOLTAGE</b>	1-220V ± 10%	3-220V ± 10%	1-220V ± 10%	3-220V ± 10%
<b>INPUT POWER</b>	13.2 KVA	12 KVA	13.2 KVA	12 KVA
<b>FREQUENCY</b>	60Hz	60Hz	60Hz	60Hz
<b>CURRENT RANGE</b>	10-250A	10-315A	10-250A	10-415A
<b>DUTY CYCLE</b>	100% @ 250A	60% @ 315A	100% @ 250A	60% @ 415A
<b>TIG MODE</b>	LIFT TIG			
<b>WEIGHT</b>	12KG			
<b>DIMENSIONS</b>	47x31x40cm			



**SOLAR MIG 250-1**

<b>INPUT VOLTAGE</b>	1-220V ± 10%
<b>INPUT POWER</b>	7.8KW
<b>INPUT CURRENT</b>	50A
<b>FREQUENCY</b>	50/60Hz
<b>NO LOAD VOLTAGE</b>	47V
<b>CURRENT RANGE</b>	5-250A
<b>VOLTAGE RANGE</b>	13.5-26.5V
<b>DUTY CYCLE</b>	100% @ 200A 60% @ 250A
<b>WEIGHT</b>	19.5KG
<b>DIMENSIONS</b>	70.5x29x54cm



# IGBT INVERTER WELDING MACHINES

<b>MODEL</b>	<b>FEATURES</b>	<b>APPLICABLE ROD/WIRE</b>
SOLAR TIG 200 DC PULSE	<ul style="list-style-type: none"><li>• Multi-purpose, with MMA/Lift TIG/HF TIG modes</li><li>• Selectable up/down slope time, as well as pre/post flow time</li><li>• High performance on ultra thin surfaces with no deformation</li><li>• Equipped with temperature, voltage and current sensors for extra protection</li><li>• Generator-friendly</li></ul>	Usable for mild steel and stainless steel TIG filler wires from 1.6mm to 3.2mm
SOLAR TIG 200 AC/DC PULSE	<ul style="list-style-type: none"><li>• AC/DC TIG welding machine with multiple modes (MMA/Lift TIG/HF TIG)</li><li>• Includes Spot/Repeat/Pulse functions</li><li>• Great arc striking capabilities</li><li>• Displays the whole process digitally for better use</li><li>• Can be used to weld mild steel, stainless and aluminum steel</li></ul>	Usable for mild steel, stainless steel, and aluminum steel TIG filler wires from 1.6mm to 3.2mm
SOLAR PLASMA CUT 60-1	<ul style="list-style-type: none"><li>• Plasma cutting machine which can cut metals using only compressed air</li><li>• Simple set-up and easy to use</li></ul>	Cutting of metal up to 25mm for mild steel and stainless steel, and 20mm for aluminum steel

# IGBT INVERTER WELDING MACHINES

## TIG 200 DC PULSE

<b>INPUT VOLTAGE</b>	1-220/ 230/240V ± 10%
<b>INPUT POWER</b>	TIG: 4.2KW   MMA: 6.6KW
<b>INPUT CURRENT</b>	TIG: 26A   MMA: 40A
<b>FREQUENCY</b>	50/60Hz
<b>NO LOAD VOLTAGE</b>	67V
<b>CURRENT RANGE</b>	5-200A
<b>DUTY CYCLE</b>	TIG: 100% @ 170A, 60% @ 200A MMA: 100% @ 135A, 60% @ 200A
<b>UP/DOWN SLOPE FLOW</b>	0-5sec.
<b>PRE/POST FLOW</b>	TIG: 0-2sec.   MMA: 0-10sec.
<b>PULSE FREQUENCY</b>	0.5-200Hz
<b>PULSE WIDTH RANGE</b>	0-100
<b>WEIGHT</b>	7.6KG
<b>DIMENSIONS</b>	49x28x29cm



## SOLAR PLASMACUT 60-1

<b>INPUT VOLTAGE</b>	1-220V
<b>INPUT POWER</b>	7.5KW
<b>INPUT CURRENT</b>	55A
<b>FREQUENCY</b>	50/60Hz
<b>NO LOAD VOLTAGE</b>	315V
<b>CUTTING CURRENT RANGE</b>	20-60A
<b>MAXIMUM CUTTING THICKNESS</b>	Mild & Stainless Steel: 25mm Aluminum Steel: 20mm
<b>DUTY CYCLE</b>	90% @ 60A
<b>INSULATION CLASS</b>	F
<b>COOLING</b>	Air
<b>AIR REGULATOR</b>	Built-in
<b>WEIGHT</b>	24KG
<b>DIMENSIONS</b>	70.5x29x54cm



# IGBT INVERTER WELDING MACHINES

MODEL	FEATURES	APPLICABLE ROD/WIRE
ASTRO ARC 300	<ul style="list-style-type: none"> <li>• Lightweight and portable</li> <li>• High quality, long-lasting machine with stable arc</li> <li>• Molten bath is easier to control</li> <li>• No Load voltage is higher than other similar machines</li> <li>• Simple installation and operation</li> <li>• Suitable for outdoor or high altitude works</li> <li>• Digital display for precise amperage setting</li> </ul>	Usable for electrodes with diameter of 1.6mm up to 3.2mm
ASTRO GASLESS 140	<ul style="list-style-type: none"> <li>• Dual function with FCAW/MMA</li> <li>• Lightweight and portable</li> <li>• High quality, long-lasting machine</li> <li>• Excellent for light to medium welding works</li> <li>• Digital display for precise amperage setting</li> <li>• Energy efficient</li> </ul>	Usable for wire with diameter of 0.6mm up to 0.8mm
HUGONG NB-350K THYRISTOR	<ul style="list-style-type: none"> <li>• Professional 3-phase separate wire feeder MIG welder</li> <li>• Thyristor technology</li> <li>• Thermal protection</li> <li>• Crater current/voltage adjustment</li> <li>• Crater function/flux cored wire choice</li> <li>• Stepless wire feed setting</li> <li>• Stable welding with 50-meter cable</li> </ul>	Usable for wire with diameter of 0.8mm up to 1.2mm
HUGONG NB-500K THYRISTOR	<ul style="list-style-type: none"> <li>• Fine and coarse adjustment for current</li> <li>• Four roller wheels</li> <li>• Excellent for welding carbon steels, stainless steels, and flux cored wires</li> <li>• Suited for shipyards and heavy industrial use</li> <li>• Available for 15kg or 20kg spool</li> </ul>	Usable for wire with diameter of 1.2mm up to 1.6mm

# IGBT INVERTER WELDING MACHINES

## ASTRO 300

<b>INPUT VOLTAGE</b>	1-220V ± 15%
<b>INPUT CURRENT</b>	31.8A
<b>FREQUENCY</b>	60Hz
<b>NO LOAD VOLTAGE</b>	62V
<b>CURRENT RANGE</b>	20-300A
<b>OUTPUT VOLTAGE</b>	28V
<b>DUTY CYCLE</b>	60% @ 300A
<b>WEIGHT</b>	8KG
<b>DIMENSIONS</b>	45x22x33cm



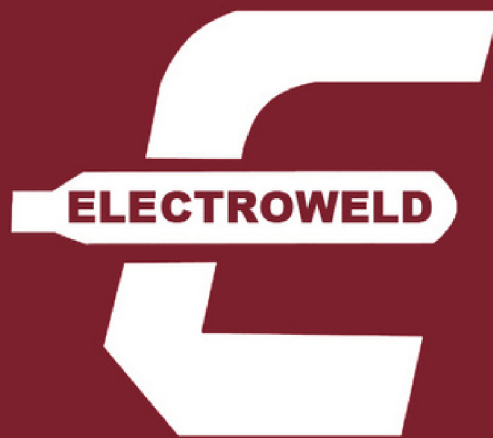
## ASTRO GASLESS MIG/MMA 140

<b>INPUT VOLTAGE</b>	1-220V ± 15%
<b>INPUT CURRENT</b>	5.2KVA
<b>FREQUENCY</b>	60Hz
<b>NO LOAD VOLTAGE</b>	56V
<b>CURRENT RANGE</b>	50-140A
<b>OUTPUT VOLTAGE</b>	21V
<b>DUTY CYCLE</b>	40% @ 140A 100% @ 70A
<b>WIRE SPEED</b>	2.5-10 meters/minute
<b>WIRE FEEDER</b>	Built-in
<b>WEIGHT</b>	7.5KG
<b>DIMENSIONS</b>	49x20x31cm

# IGBT INVERTER WELDING MACHINES

	<b>HUGONG NB-350K</b>	<b>HUGONG NB-500K</b>
<b>INPUT VOLTAGE</b>	220V	220V
<b>PHASE</b>	3-phase	3-phase
<b>FREQUENCY</b>	60Hz	60Hz
<b>INPUT CURRENT</b>	20A	38A
<b>INPUT CAPACITY</b>	18.1KVA	31.9KVA
<b>NO LOAD VOLTAGE</b>	52-57V	66-72V
<b>CURRENT RANGE</b>	60-350A	60-500A
<b>DUTY CYCLE</b>	50% @ 350A	60% @ 500A
<b>WIRE FEEDING SPEED</b>	1.5-15 meters/minute	1.5-15 meters/minute
<b>INSULATION CLASS</b>	H	H
<b>COOLING TYPE</b>	Fan-cooled	Fan-cooled
<b>WEIGHT</b>	163KG	203.8KG
<b>DIMENSIONS</b>	72x42x93cm	72x46.5x93cm





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