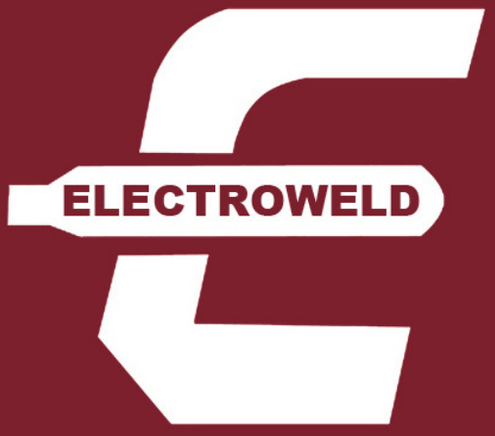


ELECTROWELD MANUFACTURING CORPORATION

PRODUCT CATALOGUE

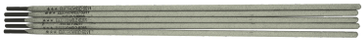
Electroweld Manufacturing Corporation is a Philippine-based company that supplies all your welding and cutting needs – welding rods, filler wires, welding and cutting machines, as well as welding accessories.

Since 1979, we have been manufacturing different 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 hardfacing, cutting and chamfering. Our welding rods are certified by the American Bureau of Shipping (ABS).

In 2013, we began distributing IGBT inverter-type welding machines under the brands SOLAR and ASTRO, together with MIG and TIG welding consumables, to accommodate the welding demands of our customers. Following the success of our SOLAR and ASTRO welding machines, we expanded our range to include the brands HYUNDAI and HUGONG.

We serve a wide range of industries throughout the Philippines, such as construction, fishing, shipbuilding and steel fabrication.

MILD STEEL (SMAW)

ITEM	SAMPLE PHOTO	DIAMETER (MM)	DIAMETER (INCH)	AMPERAGE
ELECTROWELD 6010 (AWS A5.1 E6010)		2.5 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 A5.1 E6011)		2.5 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 A5.1 E6012)		2.5 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 A5.1 E6013)		2.5 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 A5.1 E6013)		2.5 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 A5.1 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 A5.1 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 A5.1 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 A5.1 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 A5.1 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 A5.1 E7014)		3.2 4.0 5.0	1/8" 5/32" 3/16"	90-140 120-200 140-250
ELECTROWELD 7016 (AWS A5.1 E7016)		2.5 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 A5.1 E7018)		2.5 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 A5.1 E9016)		3.2 4.0	1/8" 5/32"	90-140 140-180
ELECTROWELD 9018 (AWS A5.1 E9018)		3.2 4.0	1/8" 5/32"	90-140 140-180





HIGH TENSILE STEEL (SMAW)

ITEM	DESCRIPTION	APPLICATION
ELECTROWELD 7014 (AWS A5.1 E7014)	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 (+)	Construction equipment, bridges, structural steel, metal fixtures, automotive parts, barges and farm machinery. Useful for projects in damp conditions.
ELECTROWELD 7016 (AWS A5.1 E7016)	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 (+)	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.
ELECTROWELD 7018 (AWS A5.1 E7018)	Iron powder low hydrogen electrode with a high working efficiency. Excellent crack resistance for high tensile welding. All position welding. AC, DC (+)	Welding of low alloy structural steel, extremely thick mild steel plates, carbon steel, pressure vessel, boilers, etc.
ELECTROWELD 9016 (AWS A5.1 E9016)	Low hydrogen type electrode for all-position welding. High tensile and high deposit rate, steady arc, and good slag removal. Excellent crack resistance and mechanical properties. AC, DC(+)	Shipbuilding, offshore structures, high pressure pipes, pressure vessels, penstocks, bridges, machine fabrication.
ELECTROWELD 9018 (AWS A5.1 E9018)	Low hydrogen all position electrode for welding higher strength steels. Resists moisture under high heat and humidity. AC, DC(+)	Cranes and other heavy transport equipment, pressure vessels, boilers, pipes, and offshore equipment.

STAINLESS STEEL (SMAW)

ITEM	SAMPLE PHOTO	DIAMETER (MM)	DIAMETER (INCH)	AMPERAGE
ELECTROWELD SS-308/308L (AWS A5.4 E308-16 AWS A5.4 E308L-16)		1.6 2.0 2.5 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 E309L-16)		2.5 3.2	3/32" 1/8"	45-70 70-100
ELECTROWELD SS-310/310L (AWS A5.4 E310-16 AWS A5.4 E310L-16)		2.5 3.2	3/32" 1/8"	45-80 65-100
ELECTROWELD SS-312 (AWS A5.4 E312-16)		2.5 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 E316L-16)		2.5 3.2 4.0	3/32" 1/8" 5/32"	45-80 70-120 100-140

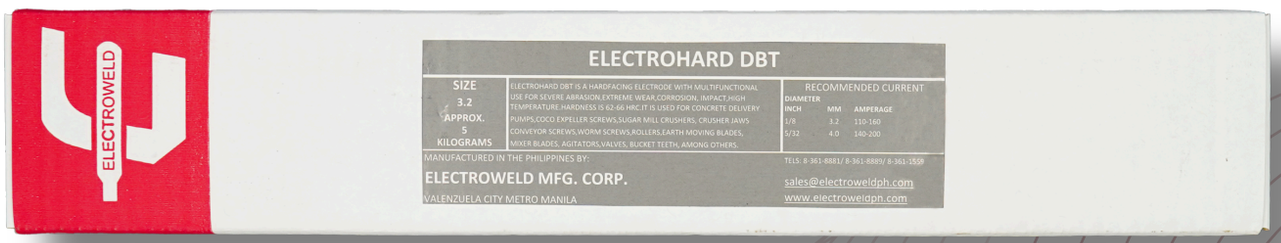


STAINLESS STEEL (SMAW)

ITEM	DESCRIPTION	APPLICATION
ELECTROWELD SS-308/308L (AWS A5.4 E308-16 AWS A5.4 E308L-16)	Lime titania electrode that deposits weld metal of 19%Cr-9%Ni. Easy to weld, stable arc, easy slag removal, beautiful bead appearance. Good resistance against heat and corrosion. AC, DC (+)	Suitable as protective surfacing on steels that require corrosion resistance and mild impact. Used for chemical food beverage, distillery, fertilizer, equipment and tanks.
ELECTROWELD SS-309/309L (AWS A5.4 E309-16 AWS A5.4 E309L-16)	Lime titania electrode depositing 23%Cr-13%Ni weld metal. Resistant to corrosion and oxidation at elevated temperatures. Very tough. AC, DC (+)	Used to weld AISI 309 steels, straight chrome steels, and welding dissimilar steels, e.g. mild steel to stainless steel, low alloy steel to stainless steel.
ELECTROWELD SS-310/310L (AWS A5.4 E310-16 AWS A5.4 E310L-16)	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 (+)	Welding 25%Cr-20%Ni stainless steel and 18% Cr-8% Ni stainless clad steel. Suitable for welding high temperature equipments, such as boilers.
ELECTROWELD SS-312 (AWS A5.4 E312-16)	Lime titania electrode depositing 29% Cr-9% Ni weld metal. Weld metal contains ferrite, resulting in high resistance against cracks. AC, DC (+)	Welding dissimilar metals such as stainless steel to mild steel or low alloy steel. Used as underlaying build up for hardsurfacing.
ELECTROWELD SS-316/316L (AWS A5.4 E316-16 AWS A5.4 E316L-16)	Lime titania electrode depositing 20% Cr-12% Ni-2% Mo austentitic stainless steel. Excellent resistance against sulfuric, phosphoric, acetic acids. Good creep strength. AC, DC (+)	Welding AISI 316/316L stainless steel where weld deposits with high mechanical properties are required. Suitable for welding of petroleum and chemical storage facilities.

HARDFACING (SMAW)

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
ELECTROHARD DBT-1		3.2 4.0	1/8" 5/32"	110-160 140-200
ELECTROHARD HF-NiMn (AWS A5.13 EFeMn-A)		3.2 4.0	1/8" 5/32"	90-120 110-140



HARDFACING (SMAW)

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, moderate 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.
ELECTROHARD DBT-1	A hardfacing electrode with multifunctional use that deposits weld metal of high carbon and high chromium structure with complex carbides. Has high oxidation resistance, good hardness, and excellent resistance to abrasion at high temperatures.	Used for sugar mill crushers & rollers, crusher jaws for aggregates, earth moving blades, conveyor screws, concrete delivery pump plates, worm screws, mixer blades, bucket teeth, impellers, etc.
ELECTROHARD HF-NiMn (AWS A5.13 EFeMn-A)	An austenitic manganese steel hardfacing electrode with nickel. The weld deposit is very crack resistant and becomes harder when subjected to compressive impact stress. AC, DC (+)	Ideal for rebuilding and hardfacing worn manganese steel parts that face heavy impact and moderate wear.

CAST IRON - CUTTING & CHAMFERING (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
ELECTROGROOVE		3.2 4.0 5.0	1/8" 5/32" 3/16"	150-180 230-280 280-330

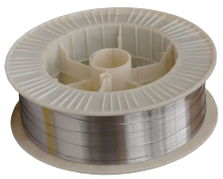


CAST IRON - CUTTING & CHAMFERING (SMAW)

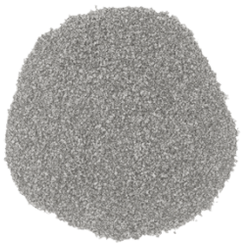
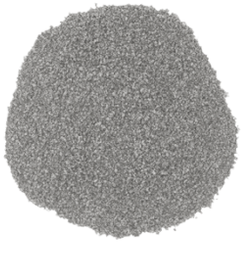
ITEM	DESCRIPTION	APPLICATION
ELECTROCAST 100 (AWS A5.15 ENiCl)	Pure nickel core wire electrode designed to deposit crack-free, easily machinable weld metal. Used at low current to minimize heat input. Little spatter, very stable arc, shallow penetration. AC, DC (+)	Cold repair and joining of alloy and ductile cast iron, or other cast iron where strength and machinability are required. Cylinder heads and blocks, manifolds, motor, 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 and ductility are needed. For heavy machine base, cylinder heads, and blocks.
ELECTROGROOVE	Forced gas electrode which gives out forceful spray and high temperature arc that can carve grooves and cut various kinds of metal. AC, DC	Gouging, grooving, back chipping, removal of welding defects and unwanted sections, cutting, holing.



WELDING WIRES (GMAW)

ITEM	SAMPLE PHOTO	DESCRIPTION	DIAMETER (MM)
ELECTROWELD ER70S-6 MIG WIRE (AWS A5.18 ER70S-6)		General purpose MIG welding wire for the fabrication of mild steel. All position welding.	0.8 1.0 1.2
ELECTROWELD ALUMINUM 5356 MIG WIRE (AWS A5.10 ER5356)		5% magnesium aluminum filler metal for MIG welding processes. All position welding.	1.0 1.2
ELECTROWELD STAINLESS 308 MIG WIRE (AWS 5.9 ER308)		Low carbon stainless steel welding wire used to join base metals of similar composition, such as AISI 301, 303, 304, 305, 308, 308L.	0.8
ELECTROWELD MILD STEEL FLUX CORED WIRE (AWS A5.20 E71T-1)		Flux cored welding wire for all positions including vertical down. For single and multiple pass.	1.2 1.6
ELECTROWELD GASLESS MILD STEEL FLUX CORED WIRE (AWS A5.20 E71T-11)		A self-shielding, all-position, general-purpose flux cored wire designed for light fabrication. For single pass on thinner gauged material or limited multi-pass on thicker sections.	0.8
ELECTROWELD GASLESS STAINLESS 308 FLUX CORED WIRE (AWS 5.22 E308LT0-3)		A self-shielding flux cored wire for flat and horizontal welding. High corrosion resistance for joining 304, 304L, 308, 308L steel. For single or multi-pass welds.	0.8

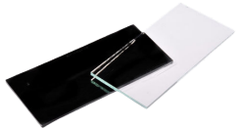
WELDING WIRES AND FLUX (SAW)

ITEM	SAMPLE PHOTO	DESCRIPTION	DIAMETER (MM)
ELECTROWELD EL8 (AWS A5.17 EL8)		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.	3.2 4.0
ELECTROWELD EM12K (AWS A5.17 EM12K)		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.	3.2 4.0
ELECTROWELD SJ-301 FLUX (AWS-A5.17 F6A0-EL8) (AWS-A5.17 F7A2-EM12K)		Calcium silicate type neutral flux. Basicity factor about 1.0. Particle size at 2.0-0.28mm (10-60 mesh).	---
ELECTROWELD SJ-501 FLUX (AWS A5.17/5.23 F7A0-EL12) (AWS A5.17/5.23 F7A2-EM12K)		Aluminum rutile type active agglomerated flux. Basicity factor about 0.80. Particle size is 2.00-0.28 mm (10-60 mesh).	--

TIG FILLER AND TUNGSTEN RODS (GTAW)

ITEM	SAMPLE PHOTO	DESCRIPTION	DIAMETER (MM)
ELECTROWELD ER70S-6 MILD STEEL TIG FILLER ROD (AWS A5.18 ER70S-6)		Copper coated welding rod containing high levels of manganese and silicon for GTAW.	1.6 2.4
ELECTROWELD STAINLESS STEEL 308 TIG FILLER ROD (AWS A5.9 ER308)		Stainless steel rod for welding of 18% Cr-8% Ni stainless steel, such as AISI 304, 308, and equivalent types.	1.6 2.4
ELECTROWELD STAINLESS STEEL 316 TIG FILLER ROD (AWS A5.9 ER316)		Stainless steel rod for TIG welding of molybdenum-bearing austenitic alloys with 20% Cr-12% Ni-2% Mo.	1.6 2.4
ELECTROWELD ALUMINUM ER5356 TIG FILLER ROD (AWS A5.10 ER5356)		5% magnesium aluminum filler metal for TIG welding.	1.6 2.4
ELECTROWELD TUNGSTEN ROD WP20 (Green tip) (AWS EWP)		Pure tungsten electrodes with 99.5% tungsten. Features the highest consumption rate for TIG electrodes.	1.6 2.4
ELECTROWELD 2% THORIATED TUNGSTEN ROD WT20 (Red tip) (AWS EWTh-2)		Thoriated tungsten electrodes a minimum of 97.30% tungsten and up to 2.20% thorium for longevity and ease of use.	1.6 2.4

OTHER WELDING ACCESSORIES

ITEM	SAMPLE PHOTO	SPECIFICATIONS
WELDING CABLE		• 2/0' (150 meters) • 3/0' (100 meters)
ELECTRODE HOLDER (Lenco-type)		• 300 Amperes • 500 Amperes
WELDING GLASS		• Clear glass • Dark glass #10 • Auto-darkening
PERSONAL PROTECTIVE WELDING EQUIPMENT • Autodarkening Helmet • 100% Leather Gloves • 100% Leather Apron • 100% Leather Jacket	   	

CUTTING AND GRINDING TOOLS

ITEM	SAMPLE PHOTO	SPECIFICATIONS
4" GRINDING DISC (Brand: Pegatec)		• For metal • 100x6.0x16mm
4" CUTTING DISC (Brands: Pegatec, Astro)		• For metal • 105x1.0x16mm • 100x2.5x16mm
14" CUT-OFF WHEEL (Brand: Pegatec)		• For metal • 355x3.0x25.4mm
IMPACT DRILL (Brand: Astro)		• 48V cordless impact drill • Comes with hard case, attachments, two batteries and charger • Double speed: 0-1800rpm • Torque setting: 25+1 • Max torque: 30Nm • With working LED light
ANGLE GRINDER (Brand: Astro)		• 21V cordless grinder • Comes with hard case, two batteries and charger • Trigger switch type • Max speed: 10,000rpm • Wheel size: 100/125mm • With 3 speeds

SOLAR

WELDING MACHINES

> > > > >

SOLAR IGBT Inverter Welding Machines

SOLAR ARC 300



- Variable ampere control
- Clear digital display
- Built-in temperature, voltage, and current sensors
- Outstanding arc stability with minimal spatter
- Generator-friendly
- Suitable for high altitude and outdoor jobs
- Lightweight and portable
- Best used for electrodes with diameter 1.6-4.0mm
- Comes with free accessories:



Electrode holder



Ground clamp

INPUT VOLTAGE	1-230V ± 10%
INPUT POWER	10KW
FREQUENCY	60Hz
CURRENT RANGE	10-300A
INPUT CURRENT	45A
DUTY CYCLE	100% @ 160A 60% @ 220A
NO LOAD VOLTAGE	67V
WEIGHT	7KG
DIMENSIONS	42x21x27cm

ELECTROWELD

Exclusively distributed by
Electroweld Manufacturing Corporation

SOLAR IGBT Inverter Welding Machines

SOLAR MAXIARC 415 LT



- Variable ampere control
- Clear digital display
- Built-in temperature, voltage and current sensors
- Outstanding arc stability with minimal spatter
- Built-in functions for "Hot Start", "Anti-Sticking" and "Arc Force"
- With "Lift TIG" mode
- With Voltage Reduction Device
- Best used for electrodes with diameter 1.6-5.0mm
- Generator-friendly
- Comes with free accessories

INPUT VOLTAGE	1-220V ± 10%	3-220V ± 10%
INPUT POWER	8.2KW	4.1KW
INPUT CURRENT	62.4	31.2
CURRENT RANGE	10-250A	10-415A
DUTY CYCLE	100% @ 250A	60% @ 415A
NO LOAD VOLTAGE	65V	
TIG MODE	LIFT TIG	
WEIGHT	12KG	
DIMENSIONS	47x31x40cm	



Electrode holder



Ground clamp

Exclusively distributed by
Electroweld Manufacturing Corporation

SOLAR IGBT Inverter Welding Machines

SOLAR MIG 250-1



- Variable ampere control
- Clear digital display
- Equipped with waveform control for added arc stability even at low current
- Built-in temperature, voltage and current sensors for extra protection
- Can load spool with 20kg weight and 300mm diameter
- Usable up to 1.2mm welding wire diameter
- Comes with free accessories:


MIG gun assembly


Ground clamp


Regulator

INPUT VOLTAGE	1-220V ± 10%
INPUT POWER	7.8KW
INPUT CURRENT	50A
NO LOAD VOLTAGE	47V
CURRENT RANGE	5-250A
VOLTAGE RANGE	13.5-26.5V
DUTY CYCLE	100% @ 200A 60% @ 250A
WEIGHT	23KG
DIMENSIONS	70.5x29x54cm

ELECTROWELD

Exclusively distributed by
Electroweld Manufacturing Corporation

SOLAR IGBT Inverter Welding Machines



SOLAR PLASMA CUT 60-1

- Plasma cutting machine which can cut metals using only compressed air
- Simple set-up, easy to use
- Can cut mild and stainless steel with thickness up to 25mm
- Can cut aluminum with thickness up to 20mm
- Comes with free accessories:

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



Ground clamp



Plasma Torch assembly

ELECTROWELD

Exclusively distributed by
Electroweld Manufacturing Corporation

SOLAR IGBT Inverter Welding Machines

SOLAR TIG 200 DC PULSE



INPUT VOLTAGE	1-220±10%
INPUT POWER	TIG: 4.2KW | MMA: 6.6KW
INPUT CURRENT	TIG: 26A | MMA: 40A
FREQUENCY	50/60Hz
NO LOAD VOLTAGE	67V
CURRENT RANGE	5-200A
DUTY CYCLE	100% @ 160A 60% @ 200A
UP/DOWN SLOPE FLOW	0-5sec.
PRE/POST FLOW	0-10sec.
PULSE FREQUENCY	0.5-200Hz
PULSE WIDTH RANGE	0-100
WEIGHT	7.6KG
DIMENSIONS	49x28x29cm

- MMA, Lift TIG, HF TIG modes
- Selectable up/down slope time
- Selectable pre/post flow time
- High performance on ultra thin surfaces with no deformation
- Equipped with temperature, voltage and current sensors
- Generator-friendly
- For welding mild and stainless steel up to 3.2mm
- Comes with free accessories:


TIG torch assembly


Ground clamp


Regulator

Exclusively distributed by
Electroweld Manufacturing Corporation

SOLAR IGBT Inverter Welding Machines

SOLAR TIG 200 AC/DC PULSE



- MMA, Lift TIG, HF TIG modes
- Includes Spot/Repeat/Pulse functions
- Great arc striking capabilities
- Displays the whole process digitally for better use
- For welding mild steel, stainless and aluminum steel up to 3.2mm
- Comes with free accessories:


TIG torch assembly


Ground clamp


Regulator

INPUT VOLTAGE	1-230±10%
INPUT POWER	TIG: 4.2KW | MMA: 6.6KW
INPUT CURRENT	TIG: 30A (AC) | 29A (DC) MMA: 37A (AC) | 40A (DC)
FREQUENCY	50/60Hz
NO LOAD VOLTAGE	79V (TIG AC) 63V (TIG DC, MMA AC/DC)
CURRENT RANGE	5-200A
DUTY CYCLE	100% @ 160A 60% @ 200A
UP/DOWN SLOPE FLOW	0-5sec.
PRE/POST FLOW	0-10sec.
PULSE FREQUENCY	0.5-200Hz
PULSE WIDTH RANGE	0-100
WEIGHT	8.6KG
DIMENSIONS	49x28x29cm

ELECTROWELD

Exclusively distributed by
Electroweld Manufacturing Corporation

SOLAR IGBT Inverter Welding Machines

SOLAR TIG 300 DC



- MMA, Lift TIG, HF TIG modes
- Selectable pre/post flow time
- High performance on ultra thin surfaces with no deformation
- Equipped with temperature, voltage and current sensors
- For welding mild and stainless steel up to 4.0mm
- Generator-friendly
- Comes with free accessories:


TIG torch assembly


Ground clamp


Regulator

INPUT VOLTAGE	1-230±10%
INPUT POWER	TIG: 6.1KW | MMA: 8.8KW
INPUT CURRENT	TIG: 40A | MMA: 55A
FREQUENCY	50/60Hz
NO LOAD VOLTAGE	70V
CURRENT RANGE	10-300A
DUTY CYCLE	100% @ 160A 60% @ 200A 40% @ 300A
PRE/POST FLOW	0-7sec.
WEIGHT	10KG
DIMENSIONS	57x28x43cm

ELECTROWELD

Exclusively distributed by
Electroweld Manufacturing Corporation

HYUNDAI

WELDING MACHINES

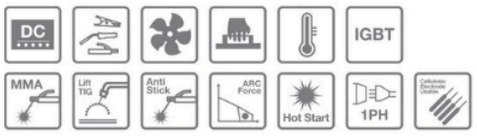
>>>>>

HYUNDAI

MMA-200P

- 3 PCB Structure
- IGBT Inverter Technology
- Lighter and Smaller welder with Higher efficiency
- Easy to start arc little spatter, and Good formation
- Hot ARC start, Anti-stick and Built in ARC force, Lift TIG
- Thermal protection
- Digital display







Holder
Electrode holder with 1.8m cable



Clamp
Earth clamp with 1.2m cable



Mask & Brush

Spec / Model	MMA-200P
Rated Input Voltage (V)	1P AC 230V ± 10% 50/60Hz
Rated Input Power (KVA)	9
Rated Input Current (A)	41
Rated Output Current & Voltage	200A/28V
Output Current (A)	20-200
No-load Voltage (V)	65
Rated Duty Cycle (%)	60
Efficiency (%)	85
Power Factor (cosø)	0.73
Protection Class	IP21S
Insulation Class	F
Size of Electrode (mm)	1.6-4.0
Measurement (mm)	380*150*260
Packing dimension (mm)	470*230*320
Net weight (kg)	5.5
Gross weight (kg)	7.68

ELECTROWELD

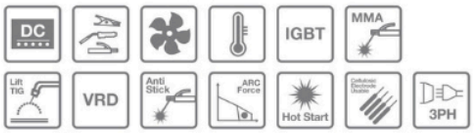
Distributed by Electroweld Manufacturing Corporation

HYUNDAI

MMA-320KD

- IGBT Inverter Technology
- High quality and Energy-saving
- Good ARC-starting and ARC force, stable ARC and Little spatter
- Auto protection of Over-voltage and Over-current
- Suitable for welding all kinds of basic welding rod
- Digital display
- Remote control (OPTIONAL)







Holder
Electrode holder with 1.8m cable



Clamp
Earth clamp with 1.2m cable



Mask & Brush

Spec / Model	MMA-320KD
Rated Input Voltage (V)	3P AC 440V / 220V ± 10% 50/60Hz
Rated Input Power (KVA)	13.3
Rated Input Current (A)	54.73
Rated Output Current & Voltage	320A/32.8
Output Current (A)	40-320
No-load Voltage (V)	65±5
Rated Duty Cycle (%)	60
Efficiency (%)	85
Power Factor (cosø)	0.93
Protection Class	IP21S
Insulation Class	F
Size of Electrode (mm)	1.6-5.0
Measurement (mm)	495*220*390
Packing dimension (mm)	570*285*430
Net weight (kg)	13
Gross weight (kg)	15

ELECTROWELD

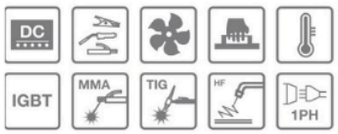
Distributed by Electroweld Manufacturing Corporation

HYUNDAI

TIG-200P

- IGBT Inverter Technology
- High quality and Easy maintenance with 3 PCB structure
- Down slope time adjustable
- Auto protection of Over-voltage and Over-current
- Suitable for welding stainless, carbon steel, copper, etc.
- Digital display
- HF start







TIG Torch
TIG Torch with 4.0m cable



Holder
Electrode holder with 3.0m cable



Clamp
Earth clamp with 1.2m cable



Mask & Brush

Spec / Model	TIG-200P	
Rated Input Voltage (V)	1P AC 230V ± 10% 50/60Hz	
Rated Input Power (KVA)	5.8	
Rated Input Current (A)	25.2	
Rated Output Current & Voltage	200A/18V	160A/26.4V
	TIG	MMA
Output Current (A)	20-200	20-160
	TIG	MMA
No-load Voltage (V)	70±5	
Rated Duty Cycle (%)	60	
Efficiency (%)	85	
Power Factor (cosø)	0.7	
Protection Class	IP21S	
Insulation Class	F	
Size of Electrode (mm)	1.6-4.0	
Measurement (mm)	400*160*310	
Packing dimension (mm)	480*275*355	
Net weight (kg)	11	
Gross weight (kg)	11.2	

ELECTROWELD

Distributed by Electroweld Manufacturing Corporation

HYUNDAI

TIG-200KACDC

- IGBT Inverter Technology
- AC/DC TIG welding, especially for aluminum material welding
- Down slope time adjustable
- Auto protection of Over-voltage and Over-current
- Suitable for welding stainless, carbon steel, copper, etc.
- Digital display
- HF start







TIG Torch
TIG Torch with 4.0m cable



Holder
Electrode holder with 1.8m cable



Clamp
Earth clamp with 1.2m cable



Mask & Brush

Spec / Model	TIG-200KACDC	
Rated Input Voltage (V)	1P AC 230V ± 10% 50/60Hz	
Rated Input Power (KVA)	5	
Rated Input Current (A)	22.68	
Rated Output Current & Voltage	180A/17.2V	140A/25.6V
	TIG	MMA
Output Current (A)	10-180	20-140
	TIG	MMA
No-load Voltage (V)	70±5	
Rated Duty Cycle (%)	60	60
Efficiency (%)	85	
Power Factor (cosø)	0.7	
Protection Class	IP21S	
Insulation Class	F	
Size of Electrode (mm)	1.6-3.2	
Measurement (mm)	400*160*310	
Packing dimension (mm)	450*240*350	
Net weight (kg)	24.7	
Gross weight (kg)	25.7	

ELECTROWELD

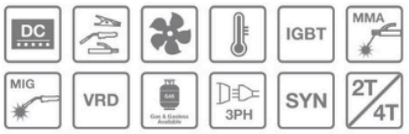
Distributed by Electroweld Manufacturing Corporation

HYUNDAI

MIG-350KFD/500KFD

- IGBT Inverter Technology
- High quality and Energy-saving
- MIG/MAG/FLUX/MMA
- Synergic pre-programmed
- Auto protection of Over-voltage and Over-current
- Deeper welding with lower heat
- Suitable for welding carbon steel, alloy steel, etc.
- SPOT, 2T/4T







MIG Torch
MIG Torch with 2.0m cable



Holder
Electrode holder with 3.0m cable



Clamp
Earth clamp with 2.0m cable



Mask & Brush

Spec / Model	MIG-350KFD		MIG-500KFD	
Rated Input Voltage (V)	3P AC 440/220V ± 10% 50/60Hz			
Rated Input Power (KVA)	14	15	24.7	25.3
Rated Input Current (A)	21.2	22.9	37.5	38.4
Rated Output Current & Voltage	350A/31.5V	350A/34V	500A/39V	500A/40V
	MIG	MMA	MIG	MMA
Output Current (A)	50-350	20-350	50-500	20-500
	MIG	MMA	MIG	MMA
Abailable spool (kg)	15		15	
Rated Duty Cycle (%)	60			
Efficiency (%)	85			
Power Factor (cosø)	0.93			
Protection Class	IP21S			
Insulation Class	F			
Size of Electrode (mm)	0.8-1.2	2.5-6.0	1.0-1.6	1.6-4.0
Measurement (mm)	650*320*530 (machine) / 690*480*465 (wire feeder)			
Packing dimension (mm)	740*380*610 (machine) / 710*490*480 (wire feeder)			
Net weight (kg)	41.5			
Gross weight (kg)	42.5			

ELECTROWELD

Distributed by Electroweld Manufacturing Corporation

ASTRO

WELDING MACHINES

>>>>>

ASTRO

IGBT Inverter Welding Machines

ASTRO GASLESS MIG/MMA 140



- Can weld both electrodes and gasless fluxcored wires
- Excellent for light to medium welding works
- Clear digital display
- Usable for welding electrodes up to 3.2mm
- Can load up to 1kg spool of gasless fluxcored with up to 0.8mm wire diameter
- Comes with free accessories:



Ground clamp



Electrode holder



Chipping Hammer



Welding Mask

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

ELECTROWELD

Exclusively distributed by
Electroweld Manufacturing Corporation

ASTRO

IGBT Inverter Welding Machines

ASTRO ARC 300



- High quality, long-lasting IGBT inverter-type welding machine
- Simple operation and stable arc
- Molten bath is easier to control
- No Load voltage is higher than other similar machines
- Suitable for outdoor or high altitude works
- Digital display for precise amperage setting
- Comes with free accessories:

INPUT VOLTAGE	1-220V ± 15%
INPUT CURRENT	31.8A
FREQUENCY	60Hz
NO LOAD VOLTAGE	62V
CURRENT RANGE	20-300A
OUTPUT VOLTAGE	28V
DUTY CYCLE	30% @ 160A 60% @ 100A
WEIGHT	8KG
DIMENSIONS	45x22x33cm



Electrode holder



Ground clamp

ELECTROWELD

Exclusively distributed by
Electroweld Manufacturing Corporation

HUGONG WELDERS

WELDING MACHINES

> > > > >

HUGONG WELDERS

HUGONG NB-350K THYRISTOR



- Thyristor-type welding machine
- Comes with separate wire feeder
- Thermal protection
- Crater current/voltage adjustment
- Crater function/flux cored wire choice
- Stepless wire feed setting
- Stable welding with 50-meter cable
- Fine & coarse current adjustment
- Four roller wheels
- Excellent for shipyards and heavy industrial use
- Suitable for 15kg or 20kg spool
- Can be used for wires ranging from 0.8mm to 1.2mm in diameter
- Usable for welding carbon steels, stainless steels, flux cored wires
- Comes with the following:
  1. Regulator
  2. Gas hose
  3. MIG gun assembly
  4. Ground cable
  5. Electrode cable
  6. 3-meter wire
  7. Control cable (6-pin)

INPUT VOLTAGE	220V
PHASE	3-phase
FREQUENCY	60Hz
INPUT CURRENT	20A
INPUT CAPACITY	18.1KVA
NO LOAD VOLTAGE	52-57V
CURRENT RANGE	60-350A
DUTY CYCLE	50% @ 350A
WIRE FEEDING SPEED	1.5-15 meters/minute
INSULATION CLASS	H
COOLING TYPE	Fan-cooled
WEIGHT	163KG
DIMENSIONS	72x42x93cm

ELECTROWELD

Distributed by Electroweld Manufacturing Corporation

HUGONG WELDERS

HUGONG NB-500K THYRISTOR



- Thyristor-type welding machine
- Comes with separate wire feeder
- Thermal protection
- Crater current/voltage adjustment
- Crater function/flux cored wire choice
- Stepless wire feed setting
- Stable welding with 50-meter cable
- Fine & coarse current adjustment
- Four roller wheels
- Excellent for shipyards and heavy industrial use
- Suitable for 15kg or 20kg spool
- Can be used for wires ranging from 1.2mm to 1.6mm in diameter
- Usable for welding carbon steels, stainless steels, flux cored wires
- Comes with the following:
  1. Regulator
  2. Gas hose
  3. MIG gun assembly
  4. Ground cable
  5. Electrode cable
  6. 3-meter wire
  7. Control cable (6-pin)

INPUT VOLTAGE	220V
PHASE	3-phase
FREQUENCY	60Hz
INPUT CURRENT	38A
INPUT CAPACITY	31.9KVA
NO LOAD VOLTAGE	66-72V
CURRENT RANGE	60-500A
DUTY CYCLE	60% @ 500A
WIRE FEEDING SPEED	1.5-15 meters/minute
INSULATION CLASS	H
COOLING TYPE	Fan-cooled
WEIGHT	203.8KG
DIMENSIONS	72x46.5x93cm

ELECTROWELD

Distributed by Electroweld Manufacturing Corporation

ELECTROWELD

Electroweld Manufacturing Corporation
Address: 249 Rizal Avenue Extension cor. 7th Avenue,
Grace Park West, Caloocan City, Metro Manila, Philippines
Website: www.electroweldph.com
Email: sales@electroweldph.com
Telephone: 8361-8881 | 8361-8889
Mobile: 0917-890-0253 | 0917-701-6073