

INVERTERISED MIG/MAG (CO₂) WELDING MACHINES

The reliable power saving Inverterised Welding Rectifiers. A quality product from the house of high technology. Specially designed to meet your welding requirements. The machines are built to work under the extreme industrial / field conditions. All products are designed, manufactured & tested under one roof to ensure the quality.



FEATURES

- IGBT - Inverterised Power Source with closed loop feedback control enables remote control of welding current & voltage.
- Arc conditioned feedback system ensures Constant arc length, eliminating need for Highly skilled welder.
- Instant Arc Starting & Stopping controls.
- Servo-controlled wire feeder ensures constant & uniform feeding of wire.
- All position welding, high deposition rate with Metals such as Mild Steel, Stainless Steel, Carbon Steel, Aluminium & their alloys with proper gases & accessories.
- Preflow of shielding gas interlock, 2T/4T functions with crater current control, gas entrapments etc.
- Protection of power source against under voltage, over voltage, single phasing, thermal overheating, Short circuiting of output terminals etc. with annunciation.
- OPTIONAL FEATURES SUCH AS pulsing, pulse duration selection, pulse frequency selection etc. applied to SYNERGIC MIG operation can be incorporated on request.
- OPTION FOR CONSTANT CURRENT / CONSTANT VOLTAGE POWER ON REQUEST.
- Fully Programmable, Digitally Controlled, Synergic Machines available.

ADVANTAGE & BENEFITS

- Most reliable, least maintenance.
- Maximum power saving (upto 40%).

Technical Specifications

POWER SOURCE MODEL : ICP 500

Input Supply Voltage	400V, ±15%, 3Ph., 50Hz, AC.
Input Current	45Amps.
Max. Rating	30KVA
Power Factor	> 0.95
Insulation Class	H
Cooling	Forced Air Cooling
Open Circuit Voltage	55 – 80V DC.
Permitted Load @60% Duty Cycle, A/V @100% Duty Cycle, A/V	350 – 500Amps. / 30 – 45V 300 – 500Amps. / 25 – 45V
Current / Voltage Range, A/V	50 – 500Amps. / 15 – 45V
Protection Enclosure	IP 23
Efficiency % at Maximum Current	85 - 90

WIRE FEEDER

Wire Size	0.8 TO 1.6 mm
Wire Feeder Speed	1 to 18 meters/min. Approx.
Wire Reel Diameter	300mm (Approx.)
Operating Temperature	10 to 40°C.

ACCESSORIES :-

- ❖ Mig Welding Torch with 3mtrs. cable.
- ❖ Earth Cable 25 Sq.mm – 3mtrs.
- ❖ Input Power Cable.
- ❖ Anti spatter nozzle jump.
- ❖ Two stage Co2 Gas Regulator.
- ❖ Flowmeter.
- ❖ Gas Preheater.
- ❖ CCMS Mig wire dia. 1.2mm.
- ❖ Co2 Gas Hose.



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