

AVAILABLE FOR
SALES & RENTAL

SMART MIG – 500 CC/CV

Full Digital Inverter Industrial MIG Welder

Universal
H I - T E C H
E Q U I P M E N T S F Z E

Solution for the welding universe



FEATURES

- ▶ Digital microprocessor-controlled inverter technology.
- ▶ Synergic control of MIG/MAG CO2 welding processes.
- ▶ Stable welding with stick-out lengths up to 30mm.
- ▶ Achieving stabilized vertical-up welding at 150A with flux-cored wire and 50m interconnection cable set.
- ▶ Standard locking function for both front panel locking and parameters range locking.
- ▶ Standard job-saving features (10 jobs)
- ▶ Suitable for MIG/ARC & Scratch TIG.
- ▶ Duty cycle 500A 100% @ 400C.
- ▶ Convenient for building a multi-operator system.
- ▶ Proven record in heavy industries since 2014.
- ▶ High tolerance against input voltage fluctuation (25%+/-).
- ▶ Protection of PCB and wire-feeder from vibration, collision, moisture, and salty air.
- ▶ Superior reliability with self-protecting design and error code display for easy maintenance.



Machine Model	Smart Mig 500
Control Mode	Full Digital
Carrier-Wave Communication	High-speed two-way digital carrier-wave communication
Input Voltage	AC 3PH 380V \pm 25% (3PH 285V ~ 3PH 475V)
Input Frequency	30 ~ 80 Hz
Input Capacity	24KVA(22.3KW)
Power Factor	0.93
Efficiency	86%
Rated Output Voltage	75V
Rated Output Current	50~500A
Given Current	12~50V(Accuracy is 0.1V)
Rated Duty Cycle	500A/39V 100% @ 40C
Wire Diameter	\varnothing 1.0/1.2/1.4/1.6 mm
Welding Operation Mode	2T/4T/Special 4T
Welding Process	CO2/MAG/FCAW/MMA
Cooling Mode	Air Cool
Arc Characteristics	-9 - +9
Wire Feeding Speed	1.4 ~ 24m/min
Ingress Protection	IP 23S
Insulation Class	H
Protection Against Lightening	Class D (6000V/3000A)
Main Machine Environment	-39°C ~ +50°C
Dimension	620x300x480mm
Weight	52KG

MAIN CONTROL PANEL



4 WHEEL DRIVES



FEEDER CONTROL PANEL



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