GMAW
PULSE MIG Series

WELD MATIC
A COMPLETE SOLUTIONS OF WELDING & CUTTING

3 Phase
50/60 Hz
DC
EMC
CC/CV
Duty Cycle 60%

Functions

Pulse MIG/MAG, general MIG/MAG, manual metal-arc welding, lifting arc striking TIG and gouging.

Application Industry

High speed train, pressure vessel, automobile repacking, high-voltage switch and space division.

- Carbon steel
- Stainless steel
- Aluminum alloy
- Copper alloy
- Flux-cored Solder Wires

PULSE MIG-350 II & 500 II

Accessories

www.weldmaticindia.com

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A COMPLETE SOLUTIONS OF WELDING & CUTTING

Features :-

- CPU+DSP full digital high-precision control system precisely controls the waveform and realizes the perfect transition of one droplet per pulse, withthe stable arc of welding, the lower spatter, good appearance of weld and high welding quality;
- 100 sets of welding program can be stored to save operation time.
- The built-in welding expert database includes the precised parameters of welding waveform control, the parameters in the welding process and the arc striking and suppression parameters. It's convenient to adjust parameters and automatically match with the optimal parameters;
- The full digital CPU control high-precision control system of wire feeding and the two-drive and two-driven full digital control device of the wire feeding with the encoder ensure the stable wire feeding when the load of wire feeding changes or the net voltage fluctuates in the process of welding;
- The unified/separate adjustment is convenient to meet different using habits;
- It has four operation modes of two-step, four-step, special four-step and spot welding. In the welding of large specification long welding seams, the four- step or special four-step function reduces the labor strength of welders and improves the quality of welding joint;
- It rapidly meets the users' needs for special welding process. The full digital control technique can flexibly meet the special needs via modifying and upgrading of the software, without modifying the hardware;
- Users can store the self-defined parameters of welding process and manage the welding process and provide convenience for the varied welding of the same station through memorizing and using the parameters of the welding process;
- Protection functions: It includes short-circuit protection, overheating protection, protection of power grid, wire plugging protection and starting protection. The reasons of warning is recognized through the fault code, in order to guarantee the reliability of the welder and the safety of operator.

TECHNICAL SPECIFICATIONS:

PARAMETERS	MACHINE MODELS	
	PULSE MIG-350 II	PULSE MIG-500 II
Input Voltage (V)	3Ph. 415± 10%	3Ph. 415± 10%
Frequency (Hz)	50Hz	50Hz
Rated Input Current (A)	23.8 A	38.8 A
Power (KVA)	17.1 KVA	27.6 KVA
No Load Voltage (V)	85 V DC	85 V DC
Output Current Range (A)	20-350 A DC	40-400 A DC
Output Voltage Range (V)	14-40 V DC	14-50 V DC
Duty Cycle @40°C (%)	60%	60%
No Load Loss (W)	120 W	120 W
Effiiciency (%)	90%	90%
Power Factor (PF)	0.95	0.95
Wire Diameter (mm)	ø 0.8mm-1.2 mm	ø 0.8mm-1.6 mm
Insulation Grade	H Class	H Class
Protection Class	IP21S	IP21S
Type of Wire Feeder	4 Roll	4 Roll
Wire Feeding Speed	1.5-21 m/min	2.2-21 m/min
Nett. Weight Wire Feeder (Kg.)	10 kg	10 kg
Nett. Weight Power Source (Kg.)	52 kg	60 Kg.
Dimensions (mm)	600x320x520	600x320x520