

## Pulse MIG/MAG 350/500II

Inverted double pulse MIG/MAG gas shielded welding machine



### 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, yacht, high-voltage switch and space division.

### Features:

- CPU+DSP full digital high-precision control system precisely controls the waveform and realizes the perfect transition of one droplet per pulse, with the stable arc of welding, the lower spatter, good appearance of weld and high welding quality;
- The built-in welding expert database includes the precise 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.

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

NJITSU



### Technical parameters

Model	Pulse MIG-350II	Pulse MIG-500II
Rated input voltage / frequency	Three-phase 380V / ±10% 50Hz	
Rated input capacity (KVA)	17.1	27.6
Rated input current (A)	26	42
Rated output voltage (V)	31.5	39
Rated load sustainability (%)	MIG100 / MMA60	MIG100 / MMA60
Output no-load voltage (V)	85	85
Output current range (A)	20-350	20-500
Output voltage range (V)	14-40	14-50
Welding wire diameter (mm)	0.8, 1.0, 1.2	0.8, 1.0, 1.2, 1.6, (2.0)
Welding wire type	Pulse characteristics: Solid carbon steel/carbon steel flux-core, stainless steel solid/stainless steel flux-core, Al-Mg alloy, pure aluminum and Al-Si alloy, copper and copper alloy	
	Constant voltage characteristic: Co, carbon steel, carbon steel, carbon steel flux-core	
Wire feeding type	Push / Push-pull	
Gas flow (L/min)	15-20	
Hand arc welding: Welding current (A)	60-350	60-500
Welding torch cooling mode	Water cooling / Air cooling	
Shield protection grade	IP23S	
Insulation grade	HVB	