



WELDING MACHINE

WSME-315/500R

Suitable for sheet welding of various materials such as stainless steel, carbon steel, copper, titanium, aluminum and their alloys

Features

1. Simple arc starting, stable arc and high welding quality.
2. There are a variety of waveform options in the state of AC argon arc welding: standard square wave, non-standard square wave, sine wave, triangle wave and mixed wave, etc.
3. Through the adjustment of peak current, base current, pulse frequency, duty cycle and AC current, AC frequency and cleaning ratio, the required penetration depth, penetration width and surface ripple uniformity of the weld can be obtained.
4. Up to 30 sets of user-defined specification parameters can be stored for easy recall.
5. All-digital high-precision wire feeding control system, two-drive and two-slave with encoder all-digital control wire feeding device, to ensure the stability of wire feeding.

Specifications

Model	WSME-315R	WSME-500R
Rated input voltage (V)	3PH 380±10%	3PH 380±10%
Rated input frequency (Hz)	50	50
Rated input capacity (KVA)	13	26
Rated input current (A)	20	39
Rated load duration (%)	60	60
Output no-load voltage (V)	79	77
Output current range (A)	5~320	8~510
Arc current (A)	5~315	8~500
Duty ratio (%)	15~85	15~85
Pulse frequency (Hz)	0.2~999	0.2~999
Cleaning ratio (%)	-50~40	-50~40
AC frequency (Hz)	40~250	40~250
Front gas time (S)	OFF/0.1~10.0	OFF/0.1~10.0
Air extension time (S)	OFF/0.1~60.0	OFF/0.1~60.0
Ramp up time (S)	OFF/0.01~10.0	OFF/0.01~10.0
Decay time (S)	OFF/0.01~15.0	OFF/0.01~15.0
Welding wire diameter (mm)	0.8~1.0~1.2~1.6	0.8~1.0~1.2~1.6
Gas flow (L/min)	15~20	15~20
Welding torch cooling method	Air cooling/water cooling	Air cooling/water cooling
Enclosure rating	IP21S	IP21S
Insulation class	H	H
Weight(Kg)	40	70
Robot-Specific Implicit Parameters		
Control method (rEt)	OFF: Near control ON1: Analog remote control ON2: Digital remote control	OFF: Near control ON1: Analog remote control ON2: Digital remote control
Wire feed speed (Fd1)	OFF/0.3~7m/min	OFF/0.3~7m/min
Slow wire feed speed (Fd2)	OFF/0.3~7m/min	OFF/0.3~7m/min
Jog wire feed speed (Fdi)	0.3~7m/min	0.3~7m/min
Rewind time (Fbt)	OFF/0.1~9.9s	OFF/0.1~9.9s
Delay wire feeding time (dt1)	OFF/0.1~9.9s	OFF/0.1~9.9s
Delay wire feeding time (dt2)	OFF/0.1~9.9s	OFF/0.1~9.9s
Wire Feeder Switch (Fde)	OFF: Wire feeder ON: Wire feeder on	OFF: Wire feeder ON: Wire feeder on