



Advanced Process GMAW

AMIG-400 /500 /630P PLUS



AMIG-P PLUS series are advanced pulse MIG welding machines. They adopt a 60kHz high-speed inverter platform and ARM control core for precise droplet control and greatly improved penetration, weld formation, and arc stability. AMIG-P PLUS series welding machines perform exceptionally well in welding aluminum alloy, nickel alloy, titanium alloy, and other non-ferrous metals.

Features and Benefits

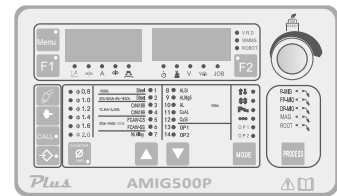
- **High-frequency inverter:** 60kHz frequency; real-time fine droplet energy management, concentrated and stiff arc
- **Stable arc:** 45m welding cable to weld carbon steel under pulse mode, stable low-current welding
- **Precise current:** extended applicable range for shielding gas, precise consistency between electrode extension and current
- **Easy arc starting:** freely switched arc starting mode, high arc starting success rate
- **Platformization design:** pulse, double pulse, rapid pulse, deep penetration, mixer pulse CV and other advanced processes modules, even customized process modules are available
- **Aluminum welding experts:** strong oxidation film cleaning ability, high arc directivity, even droplet transfer, beautiful welds
- **Twin-core control:** twin 32-bit high-speed high-precision ARM processor, nanosecond-level responding speed
- **Stable wire feeding:** new twin closed loops wire feeding control system + large-torque permanent magnet motor
- **One-key operation:** save and recall 100 sets of parameters
- **Specific personnel operating:** bound through IC card to achieve process controlling and quality tracing
- **ECO design**
- **Twin-wire arc process (630 model)**

Standard Equipments

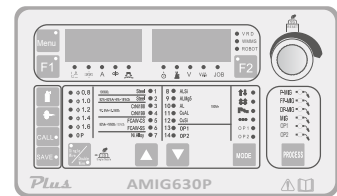
- 1 Power source
- 1 Connected primary cable L=3m
- 1 Water cooling machine
- 1 Ground cable L=3m
- 1 Water-cooled (or Gas-cooled) torch L=3m
- 1 Wire feeder with Europe connection
- 1 Trolley
- 1 Wire feeder cable L=2m

Technical Specification

	AMIG400P PLUS	AMIG500P PLUS	AMIG630P PLUS
Rated input voltage /frequency (V /Hz)	3 phase, AC380V±10%, 50 /60Hz		
Rated input capacity (KVA)	18	25	33
Rated input current (A)	27.5	38	51
Range of welding current (A)	30~400	30~500	30~630
Range of welding voltage (V)	15.5~34	15.5~39	15.5~44
OCV (V)	76		
Duty cycle (40°C)	100%@400A	100%@500A	100%@630A
Full-load efficiency (%)	≥87		
Wire diameter (mm)	Φ0.8,Φ1.0,Φ1.2,Φ1.4	Φ1.0,Φ1.2,Φ1.4,Φ1.6	Φ1.0,Φ1.2,Φ1.4,Φ1.6 Twin (1.0/1.2)
Gas flow (L /min)	15~20		
Dimension (mm)	660*320*560		
Weight (kg /lb)	48 /105.8	55 /121.3	65 /143.3
Insulation class	H		
Protection class	IP23		



AMIG-400 /500P PLUS



AMIG630P PLUS (twin type)