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AMIG-500PM



Features and benefits

- Soft switch technology, high efficiency. more energy-saving
- Completely digitalized control system, to achieve precise control of the welding process, increase the arc stability
- Synergic operation in MIG/MAG and Pulse MIG/MAG welding process
- Perfect functions of starting arc and reducing melting ball while stopping arc
- Embedded welding expert database
- Flexible parameters adjustment, such as thickness/ welding angle/ arc length /inductor/ job mode, ensure the wonderful performance and easy welding
- Self-diagnostic and self- protection functions with error code display and protections
- Capable for storing 100 sets of user-defined parameters
- Full-digital control systems for wire feeder, make wire feeding more precisely and stable
- Fan-on demand cooling system operates when needed
- The value of welding current/voltage and job mode can be adjusted by digital torch (Optional)

Standard equipments

- 1 Power source
- 1 Connected primary cable L=3m
- 1 Ground cable L=3m
- 1 Gas-cooled (or watercooled)torchL=3m
- 1 Wire feeder with Europe connection

Output **CV** **DC** **AC**

Input **3** **50/60**
PHASE Hz

Process

Process: CO₂ /MAG (GMAW) /Pulsed MIG(GMAW-P) /Stick (SMAW) /Simple TIG (GTAW)/Gouging /Double Pulsed MIG

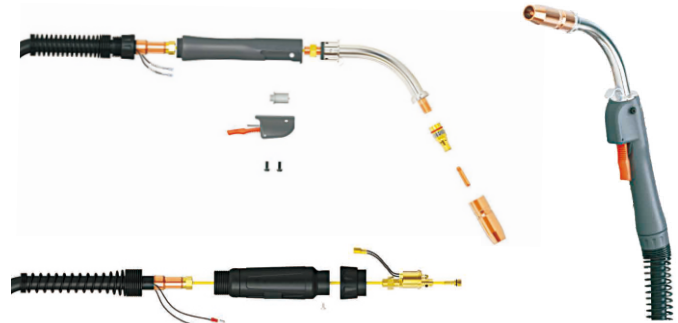
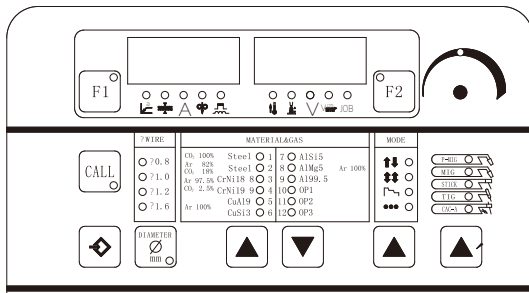
Recommended Applications

- Containers manufacture
- Automobile
- Machinery industry
- Metal shop
- Shipbuilding and offshore engineering
- Construction of rail vehicles

Spare parts-AMIG500PM

Pictures								
Item	IGBT	FRD module	Rectifier	Main control board	Drive board	Main transformer	Power transformer I	Power transformer II
AMIG350PM	735007-00038	735006-00029	735005-00003	210580-00083	210310-00020	220629-00088	763001-00068	763001-00062.

Pictures								
Item	Fan	Varistor	Display board	Filter capacitor	Current exchange inductor	Current sensor	Thermostat	Output reactor
AMIG350PM	746001-00017	720021-00017	210580-00083	722001-00070	220521-00004	753001-00020	745008-00006	763004-00131



Specification

Model	UNIT	AMIG500PM
Supply voltage	Volt	415
Phase	No.	3
Input KVA @ Duty,cycle	KVA	CC: 17.9 CV: 16.4
Welding current/voltage range	A	CC: 20-500 / CV: 20-500
Welding current @ 60% Duty cycle	A	500
Open circuit voltage	Volt	CC: 20 CV: 117
Wire feed speed	m/min	1-21
Wire size	mm	0.8-1.6
Pre-gas/post-gas time	s	0.1-10/0.1-10
Initial/final level		1%-200%/1%-200%
Transition period	s	0.1-10
Double pulse frequency	Hz	0.5-5
Job channel	No.	100
Power factor		0.95
Efficiency		87%
Type of cooling	Type	Controlled air
Class of insulation	Class	H
Dimensions(L*W*H)	mm	636*322*584
Weight	Kg	53

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