

# Artsen CM / PM II Series

1. Artsen CM 500 / 400 II

2. Artsen PM 500 / 400 F / N / AS / AD II

Full Digital-control Heavy-duty Pulse MIG/MAG/CO2 Intelligent Welding Equipment



## Product Features

- Independent operation panel and display in the wire-feeder, allowing convenient check and adjustment of welding parameters.
- Synchronous driving with 2 motors, flexible torch configuration, expansion capability with mid-way wire-feeder and push-pull torch. Practical for welding operation of long distance and in narrow space.
- Professional performance for materials, including carbon steel, stainless steel, aluminum alloy with DC, Pulsed DC and Double Pulsed DC process.
- Up to 50 channels with non-delay switch; up to 200 defect records bringing higher convenience to identify the on-site troubles.
- Abundant internal menu and specification opened to adjustment, meeting extreme welding demands.
- Diversified expert system and specialized program for aluminum welding ensuring the optimum welding result for different types of aluminum alloy.
- Full digital control at high speed, monitoring each phase of the metal transfer, achieving “One Pulse, One Droplet” precisely for a satisfactory welding result of extremely controlled spatter.
- Rich welding expert database; synergic adjustment allows automatic matching of key parameters and satisfactory welding result.
- Parameters of each welding steps open to adjustment, ensuring precise adjustment for different working conditions and achieve better welding quality.
- Upgradable process program to realize high efficiency welding of various special metal materials, such as high strength steel Q690, silicon bronze and aluminum bronze.

# Artsen PM II Series

## Specification

Manual	Artsen PM 500 F / N / AS / AD II	Artsen PM 400 F / N / AS / AD II
Control Mode	Full Digital-Control	Full Digital-Control
Rated Input Voltage	AC 3PH 380V +/-25% (3PH 285V ~ 3PH 475V)	AC 3PH 380V +/-25% (3PH 285V ~ 3PH 475V)
Input Frequency	30 ~80 HZ	30 ~80 HZ
Rated Input Power	24 KVA	19.7 KVA/18KW
Power Factor	0.93	0.93
Efficiency	87%	87%
Rated OCV	73.3 V	73.3 V
Rated Output Current	30 ~ 500 A	30 ~ 400 A
Rated Output Voltage	12 ~ 45 V (Precision at 0.1V)	12 ~ 45 V (Precision at 0.1V)
Duty Cycle	500A 60% @ 40°C 390A 100% @ 40°C	400A 100% @ 40°C
Applicable Material	F: Carbon Steel N: Carbon Steel / Stainless Steel AS/AD: Carbon Steel / Stainless Steel / Aluminum Alloy	F: Carbon Steel N: Carbon Steel / Stainless Steel AS/AD: Carbon Steel / Stainless Steel / Aluminum Alloy
Welding Process	MIG / MAG Pulse MIG / MAG Double Pulse MIG / MAG	MIG / MAG Pulse MIG / MAG Double Pulse MIG / MAG
Wire Diameter	φ 0.8 / 1.0 / 1.2 / 1.6 mm	φ 0.8 / 1.0 / 1.2 mm
Welding Operation Mode	2T / 4T / Special 4T / Spot Welding	2T / 4T / Special 4T / Spot Welding
Parameter Channel	50 (Standard)	50 (Standard)
Inductance Scope (Soft / Strong Arc)	-9 ~ +9	-9 ~ +9
Push-pull Torch Function (1)	Yes	Yes
Digital Meter on Wire-feeder	Yes	Yes
Cooling Mode	Air Cooled; Water Cooled (Optional)	Air Cooled; Water Cooled (Optional)
Electromagnetic Compatibility	IEC60974:10 EMS	IEC60974:10 EMS
Insulation Grade	H	H
Ingress Protection	IP 23S	IP 23S
Protection Against Lightening	Class D (6000V/3000A)	Class D (6000V/3000A)
Working Temperature & Humidity	-39°C ~ +50°C ; Humidity ≤ 95%;	-39°C ~ +50°C ; Humidity ≤ 95%;
Dimension (L / W / H)	620 x 300 x 480 mm	620 x 300 x 480 mm
Gross Weight	52 KG	52 KG
Wire Feeder Weight	14.5 KG	14.5 KG

Water Cooler (Optional)	
Rated Power	260W
Rated Voltage	AC 400V
Volume of Cooling Water	10L
Flow of Cooling Water	3.5L / min
Max Pump Head	30 m
Flow Alarm	Yes

(1) Please contact with WELDING PLUS to specify the model of the push-pull torch.  
 (2) EtherNet/IP is optional.

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One Equipment for Aluminum Alloy, Stainless Steel and Carbon Steel

