



Artsen II CM/PM Series

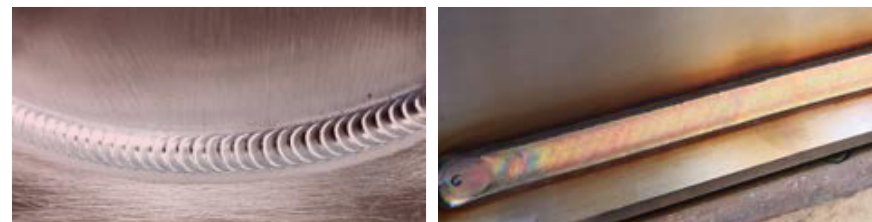


Product Features

- Digital Microprocessor Controlled Inverter Technology.
- Synergic control of MIG/MAG/CO₂ process, Pulse / Double Pulse MIG/MAG.
- Stable welding with stick-out length up to 30mm.
- Standard locking function for both front panel locking & parameters range locking.
- Standard Job saving features (up to 50 Job).
- Supporting SMARC for networking.
- Supporting Up/Down torch.
- Supporting Push-pull torch.
- MIG Brazing function as optional.
- Convenient for building multi-operator system.
- Proven record in heavy industries since 2014.
- High tolerance against input voltage fluctuation (25%+/-).
- Superior reliability with self-protecting design and error code display for easy maintenance.

Excellent Welding Performance

This series of products are equipped with a control process of "special energy controlled short-circuit transition", a droplet transfer control process of "pulse energy adjustment", and a synergic pulse energy control process based on varying wire feeding speeds, being suitable for carbon steel, stainless steel, and aluminum alloys and other high-quality welding, etc.



Artsen II CM / PM Series

<input checked="" type="checkbox"/>	Standard
<input type="checkbox"/>	Optional with extra costs
<input type="checkbox"/>	Not Applicable

Artsen II PM500 / 400 AD

- Synergic / Pulse / Double Pulse MAG for Carbon Steel and Stainless Steel
- Pulse & Double Pulse MIG for Aluminum and alloy

<input checked="" type="checkbox"/> DC CO ₂ /MAG	<input checked="" type="checkbox"/> Standard Pulse
<input checked="" type="checkbox"/> Steel	<input checked="" type="checkbox"/> Stainless Steel
<input checked="" type="checkbox"/> Aluminum / Aluminum Alloy	
<input type="checkbox"/> Aluminum Bronze	<input type="checkbox"/> Silicon Bronze
<input checked="" type="checkbox"/> Push-pull Welding Torch Interface	
<input checked="" type="checkbox"/> Constant Penetration	
<input checked="" type="checkbox"/> Mid-drive Wire Feeding Interface	

Artsen II PM500 / 400 N

- Synergic / Pulse / Double Pulse MAG for Carbon Steel and Stainless Steel

<input checked="" type="checkbox"/> DC CO ₂ /MAG	<input checked="" type="checkbox"/> Standard Pulse
<input checked="" type="checkbox"/> Steel	<input checked="" type="checkbox"/> Stainless Steel
<input type="checkbox"/> Aluminum Bronze	<input type="checkbox"/> Silicon Bronze
<input type="checkbox"/> Aluminum / Aluminum Alloy	
<input checked="" type="checkbox"/> Push-pull Welding Torch Interface	
<input checked="" type="checkbox"/> Mid-drive Wire Feeding Interface	
<input checked="" type="checkbox"/> Constant Penetration	

Artsen II PM500 / 400 AS

- Synergic / Pulse / Double Pulse MAG for Carbon Steel and Stainless Steel
- Single Pulse MIG for Aluminum and alloy

<input checked="" type="checkbox"/> DC CO ₂ /MAG	<input checked="" type="checkbox"/> Standard Pulse
<input checked="" type="checkbox"/> Steel	<input checked="" type="checkbox"/> Stainless Steel
<input checked="" type="checkbox"/> Aluminum / Aluminum Alloy	
<input type="checkbox"/> Aluminum Bronze	<input type="checkbox"/> Silicon Bronze
<input checked="" type="checkbox"/> Push-pull Welding Torch Interface	
<input checked="" type="checkbox"/> Mid-drive Wire Feeding Interface	
<input checked="" type="checkbox"/> Constant Penetration	

Artsen II PM500 / 400 F

- Synergic & Pulse MAG for Carbon Steel

<input checked="" type="checkbox"/> DC CO ₂ /MAG	<input checked="" type="checkbox"/> Standard Pulse
<input checked="" type="checkbox"/> Steel	<input type="checkbox"/> Stainless Steel
<input type="checkbox"/> Aluminum Bronze	<input type="checkbox"/> Silicon Bronze
<input type="checkbox"/> Aluminum / Aluminum Alloy	
<input checked="" type="checkbox"/> Push-pull Welding Torch Interface	
<input checked="" type="checkbox"/> Mid-drive Wire Feeding Interface	
<input checked="" type="checkbox"/> Constant Penetration	

Artsen II CM500 / 400 / 350

- Synergic MAG for Carbon Steel

<input checked="" type="checkbox"/> DC CO ₂ /MAG	<input type="checkbox"/> Standard Pulse
<input checked="" type="checkbox"/> Steel	<input type="checkbox"/> Stainless Steel
<input type="checkbox"/> Aluminum Bronze	<input type="checkbox"/> Silicon Bronze
<input type="checkbox"/> Aluminum / Aluminum Alloy	
<input checked="" type="checkbox"/> Push-pull Welding Torch Interface	
<input checked="" type="checkbox"/> Mid-drive Wire Feeding Interface	
<input type="checkbox"/> Constant Penetration	





Specification for Artsen II Series

Manual	Artsen II PM500 / 400 AD	Artsen II PM500 / 400 AS
Robotic *	Artsen II PM500 / 400 AD R	Artsen II PM500 / 400 AS R
Process		
Synergic MAG / CO ₂	●	●
Single & Double Pulse MAG for Steel	●	●
Single & Double Pulse MAG for SUS	●	●
Single Pulse MIG for Aluminum	●	●
Double Pulse MIG for Aluminum	●	-
Silicon bronze	○	○
Aluminum bronze	○	○
Constant Penetration	●	●
Functions		
Push-pull Torch	○	○
Middle-drive wire feeding	○	○
Up/Down Torch	○	○
SMARC / IoT	○	○

Manual	Artsen II PM500 AD / AS / N / F	Artsen II CM500
Robotic	Artsen II PM500 AD / AS / N / F R	Artsen II CM500 R
Control Mode	Fully Digital-control	
Rated Input Voltage	AC 3PH 380V -25% ~ 400V +20% (3PH 285V ~ 3PH 475V)	
Input Frequency	30 ~ 80 Hz	
Rated Input Power	24KVA / 22.3KW	24KVA / 22.3KW
Power Factor	0.93	
Efficiency	87%	
Rated OCV	73.3V	
Max Output Current	500A	
Rated Output Current	39V	
Rated Output Voltage	12 ~ 45V	
Duty Cycle (40°C / 10 min)	500A / 39V 60% @ 40°C 387A / 33.5V 100% @ 40°C	
Wire Diameter	φ 0.8 / 0.9 / 1.0 / 1.2 / 1.6 mm	
Welding Operation Mode	2T / 4T / Special 4T / Spot Welding / Intermittent Welding	
Electromagnetic Compatibility	EN 60974-10: 2014.	
Protection Against Lightning	Class D (6000V/3000A)	
Insulation Grade	H	
Ingress Protection	IP23 S	
Working Temperature / Humidity	-39°C ~ +40°C	
Dimension (L / W / H)	620*300*480 mm	
Gross Weight	52KG	

● Standard ○ Optional

Artsen II PM 500 / 400 N	Artsen II PM 500 / 400 F	Artsen II CM500 / 400 / 350
Artsen II PM 500 / 400 N R	Artsen II PM 500 / 400 F R	Artsen II CM 500 / 400 / 350 R
●	●	●
●	●	-
●	-	-
-	-	-
-	-	-
○	○	-
○	○	-
●	●	-
○	○	○
○	○	○
○	○	○
○	○	○

Artsen II PM400 AD / AS / N / F	Artsen II CM400	Artsen II CM350
Artsen II PM400 AD / AS / N / F R	Artsen II CM400 R	Artsen II CM350 R
Fully Digital-control		
AC 3PH 380V -25% ~ 400V +20% (3PH 285V ~ 3PH 475V)		
30 ~ 80 Hz		
19.7KVA / 18KW	15 KVA / 12.7KW	15 KVA / 12.7KW
0.94	0.93	0.93
87%	87%	87%
73.3V	73.3V	73.3V
400A	400A	400A
34V	31.5v	31.5v
12 ~ 45V	12 ~ 45V	12 ~ 45V
400A 100% @ 40°C	350A 100% @ 40°C	350A 100% @ 40°C
φ 0.8 / 0.9 / 1.0 / 1.2 / 1.6 mm		
2T / 4T / Special 4T / Spot Welding / Intermittent Welding		
EN 60974-10: 2014.		
Class D (6000V/3000A)		
H		
IP23 S		
-39°C ~ +40°C		
620*300*480 mm		
52KG		

* : Please refer to P56-P64 for Robotic and Automatic Welding.