

# Fabricator Mig 350P & 500P

New digital multi-function inverter welding power sources



## Applications

- Automotive
- Armor Plating
- Civil Construction
- Mining
- Process
- Railcars
- Ship and Offshore Yards

Fabricator Mig Pulse is a new series of digital multi-function inverter welders. The advanced inverter technology and digital control will bring you more flexibility and reliability to the welding.

- Leading IGBT inverter technology significantly reduces the machine volume and improves the power-to-weight ratio.
- New digital control can be used for welding different materials. Precise parameter control makes the welding process more stable and the spatter to much lower level.
- It can be used for manual and robot welding and is capable for various welding processes.
- “Synergic” parameter settings can preset 20 sets of parameters, which can meet different demands.
- The intuitive human-machine-interface makes robot welding operation much more convenient.
- Both external structure and internal components are elaborately designed and processed with special protection for working in the most harsh jobsite for long time.
- With high-performance processor as DSP, the program can be easily upgraded to meet the requirement on process development.

Please visit [esab.com](http://esab.com) for more information.



# Fabricator Mig 350P & 500P

Model		Fabricator Mig 350P	Fabricator Mig 500P
Input	Input Power	3 phase, AC380V±20% 50Hz	
	Rated Input Capacity (kVA)	13.67	24.2
	Power Factor	0.89	0.92
Output	Open Circuit Voltage (V)	86	
	Rated VRD Voltage for MMA and TIG (V)	15	
	Rated Max. Output for MIG (A/V)	350/31.5	500/39
	Rated Max. Output for MMA (A/V)	350/34	500/40
	Rated Max. Output for TIG (A/V)	350/24	500/30
	MIG Arc Voltage (V)	10-40	15.5-50
	Welding Current (A)	30-350	30-500
	Feeding Speed (m/min)	2.0-22	1.5-22
	Gas Meter Heater Voltage (V)	AC36	
	Output Feature	MMA&TIG:CC; MIG/MAG:CV	
Environment	Operating Temperature (°C)	-10 ~ +40	
	Storage Temperature (°C)	-25 ~ +55	
	Protection Class	IP23	
	Cooling Mode	Air-cooled	
Rated Duty Cycle (%)		60%	50%
Efficiency (%)		90%	91%
Insulation Class		F	F
External Dimension (mm×mm×mm)		630x300x540	785x330x666
Weight (kg)		43	59

Wirefeeder Type		Manual Wirefeeder	Robot Wirefeeder
Model		Fabricator Feed 405P	Fabricator RobFeed 405P
Welding Current		500A	500A
Rated Voltage of Feeding Motor		DC24V	DC24V
Rated Current of Feeding Motor		3.5A	3.5A
Applicable Wire Diameter		ø0.8mm~ø1.6mm	ø0.8mm~ø1.6mm
Applicable Wire Spool	Axis Diameter	ø50mm	/
	External Diameter	ø280mm	/
	Width	105mm	/
Feeding Speed		1.5~22m/min	1.5~22m/min
Applicable Wire Type		Aluminum alloy, solid carbon steel, stainless steel, flux cored carbon steel	Aluminum alloy, solid carbon steel, stainless steel, flux cored carbon steel
Applicable Wire Spool Weight		5~15kg	/
Connector Type		Euro	Euro
External Dimension, LxWxH		510x230x350mm	315x185x390mm

Ordering Information		
Power Source & Wirefeeder	Qty	Ordering No.
Fabricator Mig 350P	1	07003011P2
Fabricator Mig 500P	1	07003010P5
Fabricator Feed 405P	1	07003012P0
Fabricator RobFeed 405P	1	07003012P2

Welding Torch	Qty	Ordering No.
PSF 415, 3m	1	0700 025 040
PSF 415, 4m	1	0700 025 041
PSF 515, 3m	1	0700 025 050
PSF 515, 4m	1	0700 025 051

# Fabricator Mig 350P & 500P

Cable	Qty	Ordering No.
Welding Cable, 70mm <sup>2</sup> , 5m	1	ICFC05M70m
Welding Cable, 70mm <sup>2</sup> , 10m	1	ICFC10M70m
Welding Cable, 70mm <sup>2</sup> , 15m	1	ICFC15M70m
Welding Cable, 50mm <sup>2</sup> , 5m	1	ICFC05M50m
Welding Cable, 50mm <sup>2</sup> , 10m	1	ICFC10M50m
Welding Cable, 50mm <sup>2</sup> , 15m	1	ICFC15M50m
Control Cable, 16-pin, 5m	1	ICFC05M16C
Control Cable, 16-pin, 10m	1	ICFC10M16C
Control Cable, 16-pin, 15m	1	ICFC15M16C
Control Cable for Robot Wirefeeder, 10-pin, 5m	1	ICFC960001
Control Cable for Robot Wirefeeder, 10-pin, 10m	1	ICFC960073
Gas Hose, 5m, with 2 clamps	1	ICFC05MGAS
Gas Hose, 10m, with 2 clamps	1	ICFC10MGAS
Gas Hose, 15m, with 2 clamps	1	ICFC15MGAS

Feed Roller	Qty	Ordering No.
Feed Roller V Groove for Robot Wirefeeder, Ø1.0/Ø1.2	2	ICFC960002
Feed Roller U Groove for Robot Wirefeeder, Ø1.0/Ø1.2	2	ICFC960003
Double Drive Feed Roller U Groove for Manual Wirefeeder, Ø1.0/Ø1.2A	2	ICFC960004
Double Drive Feed Roller U Groove for Manual Wirefeeder, Ø1.2/Ø1.6A	2	ICFC960005
Double Drive Pressure Roller U Groove for Manual Wirefeeder, 1.0 lead-free	2	ICFC960006
Double Drive Pressure Roller U Groove for Manual Wirefeeder, 1.2 lead-free	2	ICFC960007
Double Drive Pressure Roller U Groove for Manual Wirefeeder, 1.6 lead-free	2	ICFC960008
Universal Double Drive Pressure Roller V Groove for Manual Wirefeeder, Ø1.0-Ø1.2A	2	ICFC960009
Universal Double Drive Pressure Roller V Groove for Manual Wirefeeder, Ø1.2-Ø1.6A	2	ICFC960010
Universal Double Drive Pressure Roller for Manual Wirefeeder, Ø0.8~1.6 Flat Roller	2	ICFC960011
Double Drive Feed Roller V Groove for Manual Wirefeeder, Ø0.8/Ø1.0	2	ICFC960012
Double Drive Feed Roller V Groove for Manual Wirefeeder, Ø1.0/Ø1.2	2	ICFC960013
Double Drive Feed Roller V Groove for Manual Wirefeeder, Ø1.2/Ø1.6	2	ICFC960014
Knurled Feed Roller for Manual Wirefeeder, Ø1.0-1.2 lead-free	2	ICFC960015
Knurled Feed Roller for Manual Wirefeeder, Ø1.2-1.6 lead-free	2	ICFC960016

Other Accessories	Qty	Ordering No.
Full-leather Protective Case: AP-9000B95 (W15CM* L9.5M)	1	ICFC960017
Full-leather Protective Case: AP-9000B95 (W16CM* L4.5M)	1	ICFC960019
4L Water Cooler for Fabricator Mig 350P	1	ICFC960068
6.5L Water Cooler for Fabricator Mig 500P	1	ICFC960069
Trolley P016	1	ICFC960070
Water Hose, Red/Blue /w Plug, 5m	1	ICFC960071
Water Hose, Red/Blue /w Plug, 10m	1	ICFC960072

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