

# MULTI-PROCESS Fabricator EM 501iw

Part Number	0446400882
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## STEP 1

### Powersource Selection

Technical Information	
Input voltage	380-415 V, ±10%, 3 ~ 50/60 Hz
Setting range MIG (GMAW/FCAW)	30 A / 15.5 V – 500 A/39 V
Setting range MMA (SMAW)	30 A / 21.2 V – 500 A/40 V
Open circuit voltage	78,0 V
Efficiency @ max current Mig	87%
Power factor @ max current Mig	0.91
Welding output MIG	500 A @ 60%
Welding output MMA	500 A @ 60%
Recommended slow fuse	32 A
Energy saving mode	< 35W
Operating temperature	-10° to 40° C
Wire diameter range	1.0 - 1.6 mm
Supply cable diam. size	4 x 6 mm <sup>2</sup>
Protection class	IP23
Application class	S
Isolation class	H
Dimensions L x W x H	1035 x 500 x 1015 mm
Weight w/ cooling unit w/o coolant	111.5 kg
Weight w/ cooling unit & coolant	115.5 kg
Approvals	CE, ECO Design

### Panel Information

Product Family	Product Name	Ending arc current	Ending arc voltage	Arc force	Inductance	Wire diameter	Welding process	Welding gas	2 stroke/4 stroke/4 stroke cont.	Gas purge
Fabricator powersource panel	nn	x	x	x	x	x	x	x	x	x

## STEP 2

### Wire Feeder Selection

Product Family	Product Name	Ordering Part Number	Drive System	Water Cooling	Feeding Speed	Max Spool Diameter
Fabricator feed	Fabricator Feed 304 w	0446401882	4 wheels drive	Embedded	1.5 – 25.0 m/min	300 mm

Max Diam CS Solid Wire	Max Diam SS Solid Wire	Max Diam Cored Wire	Dimensions	Weight
0.8 - 1.6 mm	0.8 - 1.6 mm	0.9 - 1.6 mm	676 x 265 x 418 mm	14.2 kg

## STEP 3

### Connection Cable Selection

Product Family	Product Name	2 m	5 m	10 m	15 m	25 m
Connection cable	70mm <sup>2</sup> water cooled	0459836890	0459836891	0459836892	0459836893	0459836894
Connection cable	95mm <sup>2</sup> water cooled	0459836990	0459836991	0459836992	0459836993	0459836994














## STEP 4

### Torches Selection

Product Family	Output Mix Gas at 100%	Wire diameter (mm)	Product Name	3m	4m	5m
Mig Torches	350A	1,0 - 1,6	TBi 411 T-Lux Euro	133P481030	133P481040	133P481050
Mig Torches	450A	1,0 - 1,6	TBi 511 T-Lux Euro	134P481030	134P481040	134P481050

## STEP 5

### Accessories Selection


Product Name	Part No.		Product Name	Part No.	
Converter plug for gas heater supply	0447014001		Lifting eye	0458706880	
Wire feed mounting bracket kit - only for wirefeeder assembled with wheel kit	0447617880		Strain relief for welding torch	0457341881	
Bobbin cover kit, plastic Ø 300 mm	0458674880		Quick connector MarathonPac™	F102440880	
Wheel kit - only front wheel turn	0458707880		Water kit for wire feeder	0465276881	
Wheel kit - all wheel turn	0458707881		Strain relief bracket for connection set	0459234880	
Adapter for Ø 440 mm bobbin	0459233880		Counterbalance Arm for Warrior Feed Requires Stabilizer kit 0465509880	0458705880	
			Stabilizer Kit for Counterbalance	0465509880	



## STEP 6

### Wear Part List


Product Family	Product Name
Wear part RobustFeed	n.a.




### Wears part for carbon steel, stainless and cored wires

Wire Diameter mm	0.6/0.8	0.8/1.0	0.9/1.0/1.2	1.4/1.6	Roller Marking	Feed/Pressure Roller
	X				0.6 S2 & 0.8 S2	0459052001
		X			0.8 S2 & 1.0 S2	0459052002
			X		1.0 S2 & 1.2 S2	0459052003
				X	1.4 S2 & 1.6 S2	0459052013

Inlet Wire Guide Ø 3 mm for 0.6-1.6 mm Fe, Ss, Cored Wire	Middle Wire Guide 2 mm for 0.6-1.6 mm	Outlet Wire Guide 2 mm for 0.6-1.6 mm
 0455049001	 0455072002	 0469837880

### Wears part for cored wires - different wire guides dependent on wire diameter

Wire Diameter mm	0.9/1.0/1.2	1.2/1.2	1.2/1.4	1.6	Roller Marking	Feed/Pressure Roller
	X				0.6 R2 & 0.8 R2	0458825001
		X			0.8 R2 & 1.0 R2	0458825010
			X		1.0 R2 & 1.2 R2	0458825002
				X	1.4 R2 & 1.6 R2	0458825003

Inlet Wire Guide Ø 3 mm for 0.6-1.6 mm Fe, Ss, Cored Wire	Middle Wire Guide 2 mm for 0.6-1.6 mm	Outlet Wire Guide 2 mm for 0.6-1.6 mm
 0455049001	 0455072002	 0469837880

## Popular Package

### Fabricator 500 A, Watercooled 2m Interconn

Product No	Product name
0446400882	Fabricator EM501iw
0446401882	Fabricator Feed 304w
0459836890	Interconn set 2m/W 70mm2 19P
0700025261	Welding torch MXL 511W 4m EURO