

# FABRICATOR

CONVENTIONAL MIG SYSTEMS

320 Compact  
320 Separate  
400 Separate  
500 Separate



**DC**

**400  
V**

**3  
PHASE**

**320A  
COMPACT**

**320A  
SEPARATE**

**400A  
SEPARATE**

**500A  
SEPARATE**



**WARRANTY  
2  
YEARS**

# FABRICATOR CONVENTIONAL MIG WELDING SYSTEMS FOR INDUSTRIAL APPLICATIONS

Thermal Arc Fabricator MIG systems are 400 Volt, 3 phase MIG machines designed for industrial use. The range includes a 320A compact model and 320A, 400A and 500A remote models with separate wire feed units.

Thermal Arc Fabricators are extremely versatile, all-round performers that offer excellent results on mild steel, stainless steel, aluminium and hard facing wires with argon based shielding gases and also on mild steel using carbon dioxide shielding gas.

## FABRICATOR 320C, 320S, 400S - HIGH PERFORMANCE INDUSTRIAL MODELS



The Fabricator 320C is a 400V 3-Phase compact MIG welding system suitable for medium fabrication and heavier maintenance applications. This system features 12 fine welding control settings, digital meters, thermal overload protection, trigger latch facility, pre and post gas control, adjustable burnback control, spot time control, interval time control, and an integrated 4-roll wire-feed unit.

The Fabricator 320S adds a 4-roll separate wire-feed unit to the system, allowing for increased flexibility and making the unit suitable for a wider range of welding tasks.

The Fabricator 400S increases welding output to 420 Amps for demanding tasks and features 2 coarse and 10 fine welding control settings.

Easy to use with medium to heavy applications in mind, these systems have been designed with robustness and reliability as its priorities to cope with a wide range of material requirements in the harshest of environments. Copper wound transformers are standard to give outstanding welding characteristics.

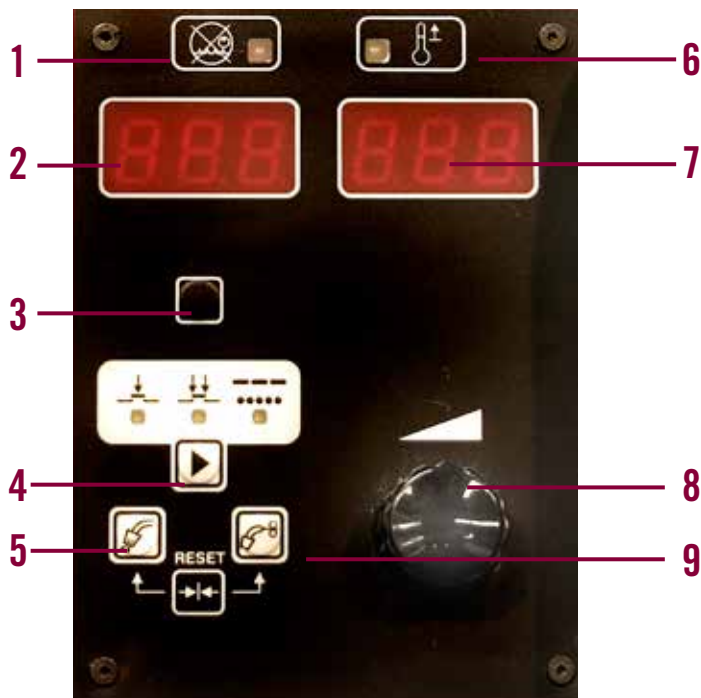


## FABRICATOR 500S - EXTRA HEAVY DUTY MODEL

The Fabricator 500S is a 400V 3-Phase MIG welding system, supplied complete with a high-speed wire-feed unit. This unit offers a welding output of 520 Amps, giving it the power to cope with almost any application. The 500S features 3 coarse and 10 fine voltage settings, digital meters, thermal overload protection, trigger latch facility, pre and post gas control, adjustable burnback control, spot time control, interval time control and a remote 4-roll, high-speed wire feed unit.

Easy to use with the heavy industrial user in mind, the Fabricator 500S is robust and reliable and offers the option of water cooling by adding a purpose built water cooler with flow switch protection. Copper wound transformers are standard giving 520A output with outstanding welding characteristics.

## DIGITAL DISPLAY FEATURES



- |  |                                |
|--|--------------------------------|
| 1) Coolant circuit error indicator           | 6) Thermal Overload indicator  |
| 2) Amperage / wire-feed / parameter display  | 7) Voltage / parameter display |
| 3) Parameter display / entry                 | 8) Parameter selector          |
| 4) Trigger latch / spot / interval selection | 9) Wire inch function          |
| 5) Gas test button                           |                                |

### MACHINE SPECIFICATIONS

MIG Welding System	Fabricator 320C / 320S	Fabricator 400S	Fabricator 500S
Supply Voltage	400 volt AC 50 Hz	400 volt AC 50 Hz	400 volt AC 50 Hz
Mains Protection Rating	16A Slow Blow	32A Slow Blow	32A Slow Blow
Current Range	40A - 340A	55A - 420A	70A - 520A
Duty Cycle	20% @ 340A	30% @ 420A	25% @ 530A
	60% @ 230A	60% @ 320A	60% @ 400A
	100% @ 200A	100% @ 260A	100% @ 320A
Selection Range (switched steps)	12	2 x 10	3 x 10
Protection Class	IP23S	IP23S	IP23S
Approvals	CE, EN60974-1, EN51099	CE, EN60974-1, EN51099	CE, EN60974-1, EN51099
Dimensions (H x W x D)	800 x 380 x 870mm (compact) 1360 x 380 x 870mm (separate)	1360 x 380 x 870mm	1430 x 440 x 870mm
Weight	99kg / 120kg	133kg	161kg
Warranty	2 Years	2 Years	2 Years

### WIRE FEED SPECIFICATIONS

MIG Welding System	Fabricator 320C / 320S	Fabricator 400S	Fabricator 500S
Supply Voltage	24 VAC	24 VAC	24 VAC
Wire-Feed Speed Range	1-19 m/min	1-19 m/min	1-25 m/min
Wire Drive System	4-Roll	4-Roll	4-Roll
Maximum Spool Size / Weight	300mm / 18kg	300mm / 18kg	300mm / 18kg
Dimensions (H x W x D)	510 x 270 x 700mm	510 x 270 x 700mm	510 x 270 x 700mm



## Fabricator Systems

Fabricator 320 Compact	FAB320C
Fabricator 320 with separate wire feed unit & 5m interconnection cable	FAB320S
Fabricator 400 with separate wire feed unit & 1.6m interconnection cable	FAB400S
Fabricator 500 with separate Hi-Speed wire feed unit & 1.6m interconnection cable	FAB500S



## Options and Accessories

Water Cooler - suitable for Fabricator 500S ONLY	A.028E
Air-Cooled Interconnection Cable, 5m (Fabricator 320S)	VM0393E
Air-Cooled Interconnection Cable, 10m (Fabricator 320S)	VM0394E
Air-Cooled Interconnection Cable, 1.6m (Fabricator 400S/500S)	VM0263E
Air-Cooled Interconnection Cable, 5m (Fabricator 400S/500S)	VM0266E
Air-Cooled Interconnection Cable, 10m (Fabricator 400S/500S)	VM0267E
Water-Cooled Interconnection Cable, 1.6m (Fabricator 500S)	VM0264E
Water-Cooled Interconnection Cable, 5m (Fabricator 500S)	VM0265E
Water-Cooled Interconnection Cable, 10m (Fabricator 500S)	VM0268E
Tweco Helmet	WHDR41008



## MIG Torches

Tweco TWE4.3E 400A MIG Torch, 3m	(All air-cooled systems)	161.560.307
Tweco TWE4.4E 400A MIG Torch, 4m	(All air-cooled systems)	161.560.407
Tweco TWE4.45E 400A MIG Torch, 4.5m	(All air-cooled systems)	161.560.457
Tweco SW450.3F 450A Water-Cooled MIG Torch, 3m	(500S with water-cooler)	552.316.307
Tweco SW450.4F 450A Water-Cooled MIG Torch, 4m	(500S with water-cooler)	552.316.407



## Feed Rolls

For Fabricator 250C/320C/320S/400S		For Fabricator 500S	
0.6/0.8mm Hard Wire V Groove Feed Roll	2187	0.6/0.8mm Hard Wire V Groove Feed Roll	1657
1.0/1.2mm Hard Wire V Groove Feed Roll	2189	1.0/1.2mm Hard Wire V Groove Feed Roll	2062
1.2/1.6mm Hard Wire V Groove Feed Roll	2511	1.2/1.6mm Hard Wire V Groove Feed Roll	1729
1.0/1.2mm Soft Wire U Groove Feed Roll	2269	1.0/1.2mm Soft Wire U Groove Feed Roll	1829
1.2/1.6mm Soft Wire U Groove Feed Roll	2316	1.2/1.6mm Soft Wire U Groove Feed Roll	2313
1.6/2.0mm Soft Wire U Groove Feed Roll	2513	1.6/2.0mm Soft Wire U Groove Feed Roll	2314
1.0/1.2mm Cored Wire V Groove Feed Roll	2319	1.0/1.2mm Cored Wire V Groove Feed Roll	2298
1.2/1.6mm Cored Wire V Groove Feed Roll	2321	1.2/1.6mm Cored Wire V Groove Feed Roll	2278