



MASTERWELDTM
The Ultimate Welding Machine

Masterweld 402/502

Masterweld 402/502 is an Heavy Duty professional **3 Phase** inverter power source for MMA Welding and TIG DC applications with excellent arc characteristics. Electrodes **up to 8mm** diameter can be easily welded thanks to its **400A- 100% duty factor at 40°C**. (Masterweld 502 **500A- 50%**).

Masterweld 402/502 is specifically designed for tough working conditions such as professional maintenance, shipbuilding, offshore, shipyards, boat-maintenance, repair and heavy metal constructions.

Digital control and excellent welding with **cellulosic electrodes** is an optimized combination also for piping and Oil & Gas industry applications.

Arc Air process provides high quality gauging with **up to 6mm** (Masterweld 502 **up to 8mm**) diameter carbon electrode.

Hot Start and **Arc Force** are adjustable in MMA welding and guarantee a better arc ignition, smoother deposition and fluent welding. **Anti Sticking** allows electrode unstick from the base material in case of accidental sticking.

Masterweld 402 can be easily upgraded to **Masterweld 402 MIG/ MAG** welding system (**Masterweld 502** can easily be upgraded to **Masterweld 502 MIG/ MAG** welding system) by adding wire feeder, cable bundle and on request trolley and water cooler.

Features

- Fan on demand and Built-in Wind Tunnel protects electronic devices from dust and saltiness and improves reliability
- Microprocessor controls real-time welding parameters
- Digital display for setting and reading welding parameters
- Lift TIG DC Ignition reduces Tungsten inclusions
- Trolley available
- Remote Control applicable



Your local distributor

 **MASTERWELD**TM
www.masterweld.co.uk

Accessories	
Masterweld 402/502	
Trolley E	
Trolley 02	
Electrode Holder 70mm ² L=4m	
Earth Cable 70mm ² L=4m	
Torch TIG 26V L=4m	
Remote control RC01 L=5m	
Remote control RC01 L=10m	
Remote control RC01 L=20m	
Suggested composition:	
Masterweld 402/502	
Trolley E	
Electrode Holder 70mm ² L=4m	
Earth Cable 70mm ² L=4m	

Masterweld 402 Details

Input voltage	3 x 400V voltage protected \pm 15% / 50-60 Hz					
Amperage draw	32A					
Duty cycle	MMA			TIG		
% (40°C)	-	-	100%	-	-	100%
Amps	-	-	400A	-	-	400A
Amps - Min &Max	5A - 400A			5A - 400A		
Open circuit voltage (OCV)	9-81V					
P _{1MAX}	18.4kVA - 16,8kW					
IP	23S					
Dimensions	690 x 290 x 510mm					
Weight	50.7Kg					

Masterweld 502 Details

Input voltage	3 x 400V voltage protected \pm 15% / 50-60 Hz					
Amperage draw	32A					
Duty cycle	MMA			TIG		
% (40°C)	50%	60%	100%	50%	60%	100%
Amps	500A	450A	400A	500A	460A	400A
Amps - Min &Max	5A - 500A			5A - 500A		
Open circuit voltage (OCV)	981V					
P _{1MAX}	25.5kVA - 23.4kW					
IP	23S					
Dimensions	690 x 290 x 510mm					
Weight	50.7Kg					

Processes: MMA - TIG DC - ARC AIR
 CE Directives: 2002/95/CE, 2004/108/CE, 2006/95/CE
 CE Standards: EN 60974-1, EN 60974-10

Power inverter Inside

- Higher efficiency
- Lower energy demand

MMA cellulosic

- High dynamic
- High fusion and penetration control

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