



# MASTERWELD

*The ultimate Welding Machine*

## Masterweld 400/500

Masterweld 400/500 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 500 500A- 50%).

Masterweld 400/500 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 500 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 400 can be easily upgraded to Cruiser 400 MIG/MAG welding system (Masterweld 500 can easily be upgraded to Cruiser 500 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**  
*The ultimate Welding Machine*

Accessories	
Masterweld 400/500	
Trolley E	
Trolley 02	
Electrode Holder 70mm <sup>2</sup> L=4m	
Earth Cable 70mm <sup>2</sup> 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 400/500	
Trolley E	
Electrode Holder 70mm <sup>2</sup> L=4m	
Earth Cable 70mm <sup>2</sup> L=4m	

## Masterweld 400 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)	83V					
P <sub>1MAX</sub>	19,5kVA - 16,0kW					
IP	23S					
Dimensions	670 x 290 x 510mm					
Weight	47,0Kg					

## Masterweld 500 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)	83V					
P <sub>1MAX</sub>	26,0kVA - 22,0kW					
IP	23S					
Dimensions	670 x 290 x 510mm					
Weight	47,0Kg					

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

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

Your local distributor