



# MASTERWELD

## MWS 1000 SAW DC

**MW1000 SAW DC** Inverter is a submerged arc welding machine with power unit. Designed especially for all submerged arc welding applications, especially shipyards and steel construction companies.

Inverter technology, which supports **CC and CV options**, enables the user to perform submerged arc welding in all diameters.

The digital control panel with **10 program memories** automatically stores the welding parameters in its memory. With the Encoder Potentiometer, the welding parameters are adjusted with high precision.

With **32Bit DSP Micro-processor**, it checks all welding parameters at every stage of the source and provides the most appropriate welding parameters.

It provides 35% electricity saving in the current drawn from the grid under load according to **conventional power units**.

**Smart Cooling Fan Technology** works only when needed, reducing noise, dusting inside the machine and energy consumption.



## MWS 1000 SAW DC Technical Specifications

Input Voltage (VAC)	400 ± %10
Output Range (MIG, A)	50-1000
Duty Cycle (40 Degrees Celsius)	%60: 1000 A, 44.0 V
	%100: 800 A, 44.0 V
Max. Input Power (kVA)	51.6
Open Circuit Voltage (VDC)	90
Height (mm)	426
Width (mm)	605
Length (mm)	854
Net Weight (KG)	132
Standard Accessories	5 m Power Cable (4 x 10mm <sup>2</sup> )
	3 m Ground Cable (70mm <sup>2</sup> )
	Optional Trolley

**Wind Tunnel Design** prevents the transport of dust, dirt and sand to the electrical components and electronic cards inside the machine by the cooling air flow, thus extending the life of the machine.

**Standard intermediate package length** is 15 meters, intermediate package length and dust collection unit are optional.

Fully compatible with **electric generators**.

## Technical Specifications

### M2 TRACTOR

### M2 AUTOMATION

Wire Diameter (mm)	3.0 - 5.0	3.0 - 5.0
Welding Speed (mm/min.)	250 - 1900	-
Wire Feed Speed (mm/min.)	200 - 1700	200 - 1700
Wire Spool Capacity (KG)	25	25
Flux Capacity (L)	10	10
Height (mm)	650	650
Width (mm)	900	900
Length (mm)	1100	1100
Net Weight (KG)	47	47
Standard Accessories	M2 Digital Control Panel	M2 Digital Control Panel
	15 m Communication Cable	15 m Communication Cable
	15 m Electrode Cable (2 x 70 mm <sup>2</sup> )	15 m Electrode Cable (2 x 70 mm <sup>2</sup> )
	5 m Ground Cable (2 x 70 mm <sup>2</sup> )	5 m Ground Cable (2 x 70 mm <sup>2</sup> )

Your local distributor



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[www.masterweld.co.uk](http://www.masterweld.co.uk)