

AVAILABLE
FOR
SALES AND
RENTAL

Fully Digital Inverter DC SAW Power Source

Mach Weld 1200 - I CC/CV DC OUTPUT

Universal
H I - T E C H
E Q U I P M E N T S F Z E

Solution for the welding universe



Specifications	MW 1200 - 1
Control Mode	Inverter
Mains supply	415V± 20%, 3Ph, 50Hz
Rated input power	64KVA
Rated no load voltage	74V
Output current range	100 – 1200A
Full load rating	1200A/70%
Continuous load	1000A/100%
Protection class	IP21S
Insulation class	200 ^o c
Dimensions, L x W x H	718 x 503 x 1007 mm
Weight	141 Kg

FEATURES

1. IGBT-based heavy-duty inverter DC power source for Submerged ARC Welding, Carbon Air Arc Gouging (CAAG), and Electro Slag Welding.
2. With unique high-power non-parallel inverter technology, the machine has simplified structure and reduced the potential failure points, avoiding the different current issues among the modules caused by the parallel method.
3. Digital inverter control, high accuracy, more stable ARC output.
4. Digital MCU intelligent control, fault self-diagnosis, output fault code.
5. Energy saving, economic and environment-friendly, efficiency up to 89%.
6. With the power supply voltage fluctuation compensation function, 20% voltage fluctuation is allowed.
7. The power factor can reach 0.94, which has little influence on the power grid.
8. Has multi protection function, such as overheating, over current, over voltage, under voltage, phase missing, etc.
9. CC/CV DC output optional.

ADDITIONAL FEATURES

- 01 High welding quality and high efficiency with DC TIG, and DC Stick.
- 02 Powerful Performances for pressure vessels, pipes, plant maintenance, etc.
- 03 Low current is 5 to 400 Amp for thin plate to thick plate.
- 04 Suitable for welding of different thickness plates and materials.
- 05 Work with the gap and of all positions.
- 06 Excellent Dynamic Characteristics for Stable Arc.

TR-12

4 WHEEL TRACTOR



Solution for the welding universe



FEATURES

1. Digital display, easy to read.
2. 100% arc start rate through touch sense function and wire retracing function.
3. Laser indicator be used for pointing out the groove.
4. Special nozzle design for more sufficient flux covering.
5. The short circuit protection function prevents PCB damage from the internal short of the control cable or the short between the control cable and the welding output cable.

Technical Specification	Unit	TR - 12
Application Wire Diameter	mm	2 to 6
Current Range	A	150-630
ARC Striking Mode	-	Retracting/Scraping
Wire feed speed	m/h	30-300
Welding Speed	m/h	9-75
Cross Slide Board Adjustment	mm	120
Baseboard Adjustment	mm	120
Rotating angle	-	360°
Adjustable angle of the welding head	-	45°
Front and back Adjustment of Welding Head	-	45°
Flux Capacity	l	8
Wire reel Capacity	Kg	25
Dimension (LxWxH)	mm	970x500x820
Weight	kg	52kg

TW-12

3 WHEEL TRACTOR



Solution for the welding universe



Model	Unit	TW-12
Application Wire Diameter	mm	2 to 6
Wire feed Speed	m/h	20 to 200
Welding speed	m/h	9.75
Cross Slide Board Adjustment	mm	100 x 120
Adjustable angle of the welding head		45°
Dimension (L x W x H)	kmm	1050x390x670
Net Weight	kg	52

FEATURES

01

The front wheel of the TW-12 tractor is in front of the torch for leading. It can guide along the groove of work and make inside girth or longitudinal welding without quid rails.

02

TW - 12 tractor is a three-wheeled welding tractor that can work with or without quid rails.

03

When using standard quid rails, TW-12 is suitable for straight flat and fillet welding.

04

When using without guide rails, the front wheel can be steered to make flat welding on a curved surface or the angle of the front wheel can be set to make flat welding of circular welds.

BM-12 BOOM MOUNTED TRACTOR



Solution for the welding universe

FEATURES

1. Digital display, easy to read.
2. 100% arc start rate through touch sense function and wire retracting function.
3. Laser indicator be used for pointing out the groove.
4. The short circuit protection function prevents PCB damage from the internal short of the control cable or the short between the control cable and the welding output cable.
5. Reserved interface of controller signal for controlling external equipment's start and stop.
6. Reserved motorized cross slide board interface, easy to use.



Model	Unit	BM-12
Application Wire Diameter	mm	2 to 6
Arc Striking Mode	-	Retracting/Scarping
Wire feed speed	m/h	30-300
Cross Slide Head Adjustment	mm	manual - 150/150mm motorized - 200/200mm
Adjustable Angle of the Welding Head		45°
Weight	kg	52
Cross Slide for Welding Head	Type	manual/motorized

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