

# NXT

NEXT WELDING TOOLS



# MIG1000M

## MULTI-PROCESS WELDING

## MIG1000M: Multi-Process Saw Welding Machine



- **Multi-process welding machine:** SAW, GMAW, Gouging and SMAW.
- Equipping CC and CV characteristics makes it suitable for several kinds of applications.
- **Plenty choices for configuration; supporting many kinds of SAW processes:** : thick wire, thin wire, strip cladding, twin-wire single arc, visible arc flux-cored wire and other welding.
- **Supporting several kinds of GMAW process:** single wire and twin-wire single arc of solid wire welding, FCAW and so on.
- Equipping digital or analog interface and supporting extension of robot interfaces achieve robotic SAW and robotic GMAW processes.
- Equipping digital or analog interface enables matching with PLC and others to form welding automation system
- Enjoying great application in pipeline, steel fabrication, wear-resisting layer cladding and other industries

## MIG500M: Power Source And Accessories

- Multi-process welding machine: one key to switch between SAW, GMAW, Gouging and SMAW processes.
- User-friendly operation interface; Synergic adjustment in GMAW mode provides easy operation.
- Equipping CC and CV characteristics makes it suitable for several applications.
- The welding wire with diameter of 1.6-5.0mm can be adopted in SAW process.
- The welding wire with diameter of 1.2-1.6mm can be adopted in GMAW process.
- The welding current can reach up to 800 A if the wire with diameter of 1.6 mm is adopted
- The interface for connecting wire feeder in GMAW mode supports to connect with normal wire feeder without raster.
- Enjoying 100% duty cycle.
- Equipping digital or analog interface enables matching with PLC and others to form the welding automation system.
- Intelligent fan control.
- Enjoying multiple protection against faults and error code display functions.



## PRODUCT SPECIFICATIONS

Model	MIG1000
Rated input voltage/frequency	3-phase, 440V±10% 50Hz
Rated input capacity (KVA)	55
Rated input current (A)	71.7
Rated duty cycle (%)	100
OCV (V)	84
Range of output current (A)	60A~1000A
Range of output voltage (V)	22.4V~44V
Protection class	IP21S
Insulation class	H
Dimension: L×W×H (mm)	790X370X820
Weight (Kg)	95

## Water Cooler : WCS-20

- It enjoys the high lift whose maximum value can reach up to 30m.
- The motor enjoys high quality, heat proof and anti-rust features, which greatly improves the heat dissipation and service life of welding torch.
- The vortex pump with cooper body avoids water scale generating after long time use.
- The water level can be monitored in time through the transparent water level inspection window.
- Unique wind tunnel design for heat dissipation provides 30% cooling effect higher than equivalent product.
- Practical water tank with 19L large capacity whose weight is light and size is small.



## PRODUCT SPECIFICATIONS

Model	WCS-20
Input voltage / frequency (V/Hz)	1~ 230V50/60Hz
Motor power (KW)	0.37
Rated current (A)	1.4
Duty cycle (%)	100
Maximum pressure (MPa)	0.3
Water flow [L/min]	8.5
Maximum lift (m)	30
Cooling efficiency (KW)	2.9
Water tank capacity	20
Dimension (mm3)	655*385*650
Weight (Kg)	32

## Wire Feeder - Twin-Wire

- Twin wire spools holde.
- 4WD wire feeding motor provides more precise and more stable wire feeding speed.
- European type welding torch connector.
- The maximum diameter of the welding wire spool that can be applied is 300 mm.
- The design of water cooling.



### PRODUCT SPECIFICATIONS

Model	WF500 seris
Motor	Magnet motor
Moter rated voltage (V)	DC24
Motor rated current (A)	4
Wire feeding speed (m/min)	1.0-22
Rated welding current (A)	500
Duty cycle (%)	60
Wire diameter (mm)	Φ0.8,Φ1.0,Φ1.2
Wire spool shaft diameter (mm)	50
Wire spool dimension (mm)	Φ300*Φ50*103
Gas flow (L/min)	10~25
Dimension (mm3)	635×300×390
Weight (Kg)	15

## Twin-Wire Mig + Water Cooled Configuration



### Configuration 1 - Mig1000 + Welding Head

Item	Model	Qty	Remarks
Power source	MIG1000	1	
Wirefeeder	WF-500DC	1	Close type
Wirefeeder cable	95mm2*15m	1	
Water cooler	WCS-20	1	
Ground cable	95mm2*3m	1	
MIG/MAG torch	SDW600L	1	Water cooling



Calle Guam 68, Col. Euzkadi, C..P. 02660,  
Del. Azcapotzalco, Ciudad de México.

**TEL. 5521218632**