

sifWELD®



www.sifweld.com

Peters House
The Orbital Centre
Icknield Way
Letchworth Garden City
Hertfordshire
SG6 1ET
Tel. +44 (0) 845 130 7757



sifWELD Evolution MTS500 ROBOT



Robot 500Amp Inverter



Approved

TSXE3D500RMTS

Professional MIG welding system

for industry

The sifWELD MTS500 Robot is a professional, microprocessor-controlled inverter welding package for MIG, MMA & Lift-TIG applications. With 100% Duty Cycle at 400A this machine is the ideal work horse for high production manufacturing in air cooled or water cooled versions. Ideally suited for robotic welding solutions

The dual pulse function incorporating the built in Synergic facility the machine will automatically give the optimum welding parameters for the specific material, wire size and shielding gas, including optimum MIG welding of aluminium.

Featuring IGBT technology and providing a lightweight, multi-process machine, a separate wire feed system.



Main features

- 500A, Three phase MIG welding machine with separate wire feed unit
- Synergic features including Dual Pulse programs for steels, aluminium and Mig brazing
- Full digital or analogue robot interface connections.
- Very high duty cycle, 100% at 400A, 60% at 500A
- Perfect machine for robotic solutions or a manual high production environment.
- Programmable Job Memory
- Supervisor Lockable Parameters
- Full Digital Control with LED display for showing and changing all welding parameters.
- 5Kg Reels or Bulk Drum
- Water Cooled or Air Cooled ready to Weld Packages.
- 5M or 10M Interconnect Cable



Energy
Efficient



Three
Phase



AC
Current

SifWeld 5 year warranty, subject to annual preventative maintenance. Register your product at www.sifweld.com



Technical data

Parameters

Power Supply	500V 3 Phase
Duty Cycle (40°C 10min)	60% 500A 100% 400A
Welding Current Range (A)	10 ~ 500
Welding Voltage Range (A)	14 ~ 50
No Load Voltage (V)	14 (MMA/TIG) 18 (MIG)
Net Weight (Kg)	34.8
Dimensions (mm)	605 x 240 x 445
Wire Diameter(mm)	Fe 0.6 1.0 1.2 1.6 Ss 0.8 1.0 1.2 1.6 Flux-Cored 0.6 0.8 1.0 1.2 1.6

Ordering information

Description	Part number
sifWELD Evolution MTS500Robot	TSXE3D500RMTS*
sifWELD Evolution MTS500Robot WFU	TSXE3D500RMTSWFU*
sifWELD Evolution Water Cooler	TSXEWC
sifWELD Evolution Trolley	TSXETROLLEY
5m Interconnection Cable 50mm ² Air Cooled	TSXE1C-05AC*
5m Internconnect Water Cooled 50mm ²	TSXE1C-05WC
Robot Cable	TSXE3D500RMTSC
V Roller 1.0/1.2mm Pair	TSXES049-1
V Roller 1.2/1.6mm Pair	TSXES049-2*
U Roller 1.0/1.2mm Pair	TSXES048-2
U Roller 1.2/1.6mm Pair	TSXES048-3*
K Roller 1.0/1.2mm Pair	TSXES050-1
K Roller 1.2/1.6mm Pair	TSXES050-2
10m Interconnect Cable 50mm ² Air Cooled	TSXE1C-10AC
10m Interconnect Cable 50mm ² Water Cooled	TSXE1C-10WC
Argon Regulator	AE3005LXSEEXT

*Ready to use Machine Package includes items marked * Our Arc Welding Machines are UKCA & CE certified, compliant to BS EN 60974-1*

Weldability **sif**

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Tel. +44 (0) 845 130 7757 | Email. sales@weldability-sif.com | www.sifweld.com