

SifWELD®



www.sifweld.com

Peters House
The Orbital Centre
Icknield Way
Letchworth Garden City
Hertfordshire
SG6 1ET

Tel. +44 (0) 845 130 7757



SifWeld Cut100

CE
Approved

PLASMA



100Amp Manual Plasma Cutting Machine



TSX3P100

Professional plasma cutting system

for industry

The SifWeld Cut100 is a professional 100Amp 3ph plasma cutting system designed for hand-held efficient cutting in the heavy fabrication, manufacturing, demolition and general maintenance industries.

Featuring IGBT inverter technology, the SifWeld Cut100 plasma cutter is engineered to consistently deliver heavy-duty cutting performance. This is ideal to cut up to 30mm thick steel. The 6m high-frequency cutting torch ensures exceptionally smooth, clean cuts, and comes with a quick-connect central adapter to ensure effortless connection, and cost effective replacement of the torch

The SifWeld Cut100 can be used to efficiently cut mild and low-alloy steels, stainless, aluminium, copper, titanium and nickel alloys.



*Shown with optional trolley

Main features

- 100amp cutting power
- High 60% duty cycle
- 30mm clean cut on steel
- 35mm severance cut on steel
- Industrial quality metal chassis
- High power efficiency
- Low energy consumption
- Clear, vibrant LED display
- High portability
- Optional trolley



Energy
Efficient



Three
Phase



AC
Current

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



Plasma delivers faster cutting speeds than oxy/fuel processes and leaves the cut face clean and weldable, with greatly-reduced distortion or work-hardening.

Technical data

SifWeld CUT100

Power voltage (V)	380V \pm 15%
Frequency (Hz)	50/60
Input power supply	3ph
Rated input (KVA)	14.1
Open circuit voltage	280
Amperage range (A)	30 - 100
Rated duty cycle (%)	60
Rated working voltage (V)	92 - 120
Power factor	0.93
Efficiency	0.85
Max cutting thickness (mm)	35
Compressed air pressure required	2.0-5.0 bar (30-80 PSI)
Compressed air flow required	140 - 170 lpm (5 - 6 CFH)
Post flow time (S)	4
Dimensions (L x W x H) (mm)	685 x 295 x 560

Ordering information

Description	Part number
SifWeld Cut100 package	TSX3P100
SifWeld Cut100 4m torch	TSX3PTA101
Cutting tip 1.1mm	SWPD101-11
Cutting tip 1.4mm	SWPD101-14
Cutting tip 1.7mm	SWPD101-17
Electrode	SWPR101
Nozzle	SWPC109
Air diffuser	SWPE101
Stand-off spring	SWCV11
SifWeld MTS trolley	TSX3D400MTSTR



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Tel. +44 (0) 845 130 7757 | Fax. +44 (0) 800 970 7757 | Email. sales@weldability-sif.com | www.sifweld.com