

TPS ConMIG 400 / 445 / 545

Water-cooled MIG with digital synergic control*



A WELD OF DIFFERENCE - SALES, HIRE & SERVICE

TPS WeldTech Ltd is an independent supplier of quality high tech welding and cutting equipment from the world's leading brands.

Equipment supplied covers the MMA, MIG, TIG, plasma and engine driven markets ranging from small portable inverters to fully automated welding systems.

Founded by engineers in 1971, the company's success has been based on its expertise and comprehensive after sales support. A full range of TPS WeldTech services includes sales, hire, service and calibration of welding equipment throughout the UK.

TPS WeldTech has a customer base that reflects a broad span of British and foreign owned manufacturing industry operating within the British Isles.

Drawing from this experience, our technical staff have the knowledge and capability to recommend the perfect solution to meet your needs.



400 / 450 / 550A Synergic MIG*

First Class Weld Quality

Full Digital Display

Robust Metal Construction

German Manufactured

*Synergic Control with Optional MC3 & MC4 Control Panels

Tel: 0844 391 0201 Email: sales@tpsweldtech.com

TPS ConMIG 400 / 445 / 545

Water-cooled MIG with digital synergic control*

New modern technology makes welding more effective, easier and safer. Modern digital control in a reliable conventional package. Synergic option enables the correct parameters to be used by selecting material thickness. Digital welding machines also ensure completely reproducible welding quality.

Description

- 400 / 450 / 550Amp, conventional MIG/MAG power source with separate wire feeder
- Microprocessor-controlled
- Service friendly design
- Rugged housing for industrial use
- Thermostat controlled, low noise fan
- Controls protected in dust-proof housing
- Industrial four roller drive feeding system (140W motor)
- Extra bright displays enable easy viewing of parameters, even with a welding helmet.
- Reversible large diameter rollers as standard
- Integral torch bracket
- Coolant flow sensor as standard
- Electronic choke

Recommended wire size: 0.8 – 1.6mm



MC 5 control panel includes:

Digital control of wire feed speed (0.1 m/min)
Clear digital display of wire feed speed, and Volts/Amps
Digital control of creep speed, burn back and spot time
Trigger: 2 step / 4 step / spot
Gas test / Wire inch (without gas)



*Optional MC 4 synergic control panel adds:

Material thickness setting
Synergic control of wire feed speed
Extra display for welding voltage
Digital control of welding inductance
Synergic updates through USB port



*Optional MC 3 synergic plus control panel adds:

Job memory (100)
Display of actual coolant flow rate
Adjustable pre & post gas
Control panel lock off

Technical Data	ConMIG 400	ConMIG 445	ConMIG 545
Supply voltage (50/60Hz)	3 Phase 400 V		
Fuse (slow)	25 A	32 A	50 A
Power draw max.	22 kVA	25 kVA	36 kVA
Cos phi	0.8		
Setting range	50 - 400 A	50 - 450 A	50 - 550 A
Operating voltage	16 - 34 V	16 - 36 V	16 - 41.5 V
Open circuit voltage	20 - 52 V	20 - 57 V	20 - 66 V
Wire feed speed	0.5 - 24.0 m/min		
Voltage steps	24 (2x12)	36 (3x12)	36 (3x12)
Duty cycle (40°C) 60 %	400 A	450 A	550 A
100 %	350 A	400 A	420 A
Degree of protection	IP 23		
Weight (Inc. WFU & cooler)	214 kg	266 kg	258 kg
Dimensions (LxWxH mm)	1070 x 490 x 945	1100 x 500 x 1000	
(Inc. WFU)	(1070 x 490 x 1370)	(1100 x 500 x 1420)	



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All Enquiries Welcome

Sales, Hire, Service, Calibration & Training