

PC-2 SERIES

TIG - Cold Wire, Hot Wire and Plasma

Full function Smart Welding Station

Orbital Welding - Automated Welding - Weld Overlay



POLYSOUDE

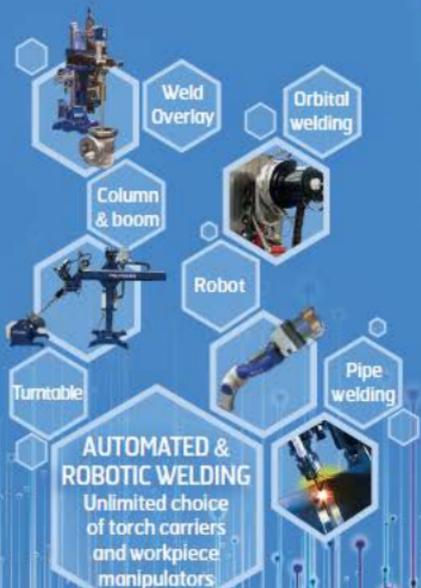
60 YEARS
ANNIVERSARY

OPC SERIES

Full function Smart Welding Station

Orbital Welding - Automated Welding - Weld Overlay

Compatible with all POLYSOUDE™ orbital welding heads and solutions for automated welding and weld overlay



Maestro per favore!

The combination of 60 years of research in TIG and Plasma welding and weld overlay together with the latest advanced technologies



Technical specification

PC Series	PC-2 CW	PC-2 HW	PC-2 Plasma	PC-2 AC/DC + external power source TETRIX 351
Process	TIG DC Cold Wire	TIG DC Hot Wire	Plasma	TIG AC/DC Cold Wire
Type of power source			Inverter	
Current range		5-550 A		5-350 A
Duty cycle		100% - 420 A 60% - 520 A 25% - 550 A		100% - 300 A (DC) / 150 A (AC) 60% - 350 A (DC) / 240 A (AC)
Input power for other voltage, please contact us		400 V / 415 V Three phase (±10%) 50/60 Hz		230 V Single phase (±10%) 50/60 Hz 400 V Three phases (±10%) 50/60 Hz
Rated/ maximum load	20 kW / 28 kW	21 kW / 29 kW	22 kW / 30 kW	5.5 kW single phase 10.9 kW / 21 kW, three phases
Current pulse frequency (max.)	3000 Hz	3000 Hz	3000 Hz	2000 Hz (DC), 200 Hz (AC)
Current slope time	250 A / 1 ms	250 A / 1 ms	250 A / 1 ms	250 A / 1 ms (DC)
Max. Hot Wire current	/	100% - 160 A	/	/
Plasma welding	Option	Option	Included	/
Controlled axes	- Gas - Welding head synchronization - Torch Oscillation Control (OSC) - Wire feeder control		- Arc Voltage Control (AVC) - Multi-axis control for welding manipulators - Sequencer - VO	
Gas control (an option with programmable mass flowmeters/ security valve)		- Shielding gas - Backing gas		- Bi-gas - Trailing gas
Procedure user memory			Up to 200 programs	
Procedure storage / transfer			Hard disc / USB memory stick	
Procedure print out			External standard printer	
Real time monitoring system			DAQbox in option	
Overall dimensions Lx Wx H		1180 x 700 x 1040 mm		PC-2: 1180 x 700 x 1040 mm Tetric: 1100 x 455 x 950 mm
Weight		320 kg		PC-2: 200 kg Tetric: 144 kg
Standards		EN 60974-1 - EN 60974-10		
Cooling			External	



Options and Accessories

- Laptop
- AVC - Arc Voltage Control
- OSC - Torch Oscillation Control
- Multi-axis interface for welding and weld overlay manipulators (positioner, column and boom, seam welder...)
- Extension cable (15m) for welding heads
- Additional gas control
- 2nd integrated cooling unit
- External heavy duty water cooling unit
- DAQbox - Real time monitoring system



POLYSOUDE : Related services

► Guidance and technical support

A welding application specialist in your area will advise you on the welding process and appropriate equipment for your application.

► Commissioning / Training

A complete training program will enable you to start using the equipment immediately and in the best way possible.

► Maintenance / Repair

Maintenance and repair operations can be carried out at the Polysoude plant as well as on site by our service network.

► Rental service

Increase the flexibility of your production! A large range of equipment is available for rental from our hire fleet.



Your partners worldwide

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