POLYSOUDE
THE ART OF WELDING

Mobile Power Source
P6 HW
DC – Cold / Hot Wire

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MOBILE POWER SOURCE P6 HW

TIG DC – Cold / Hot wire
With AVC, OSC

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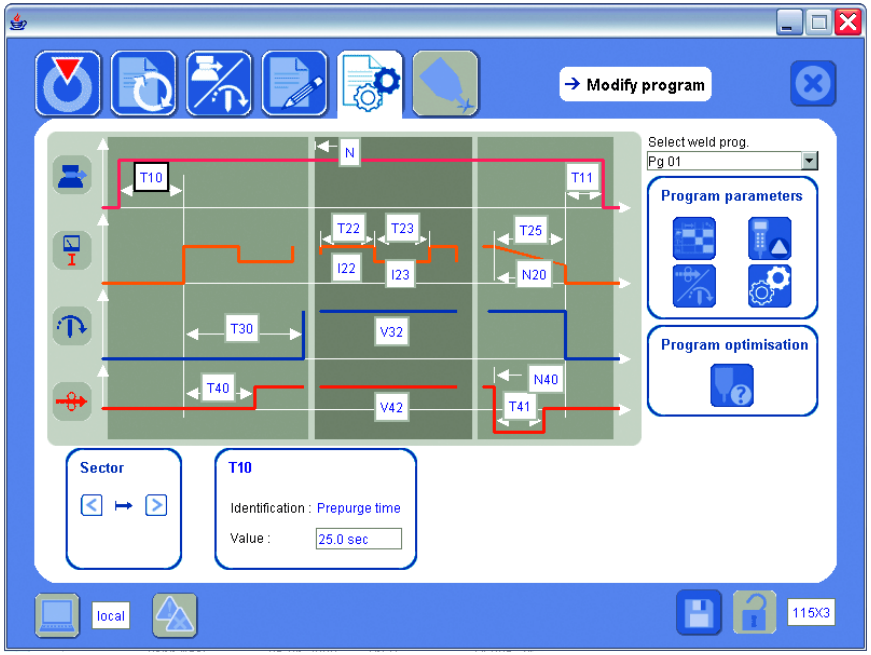
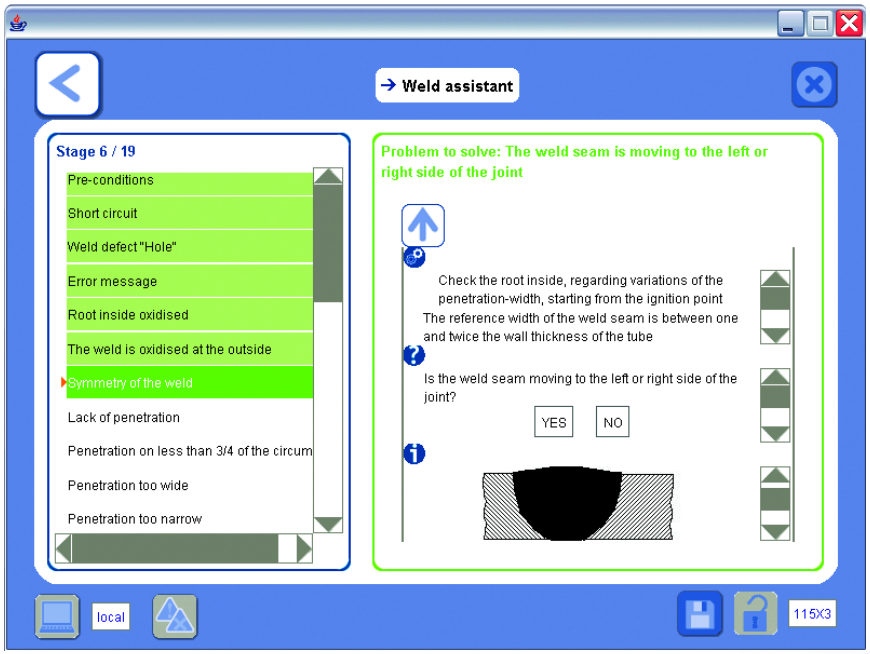
TECHNICAL PRESENTATION

Intuitive User Interface (GUI)





With multilingual "Help" menu for optimised welding programs

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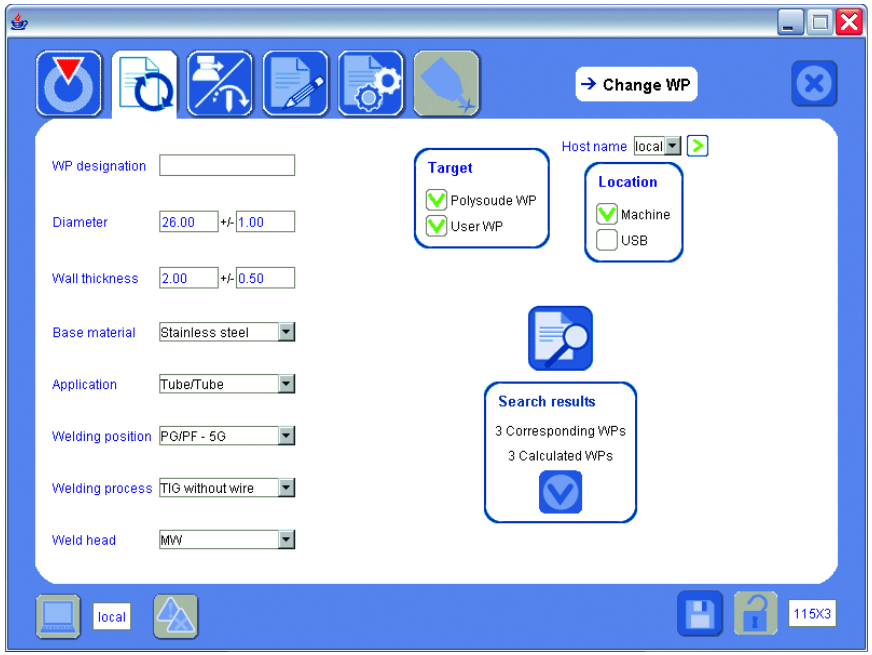
TECHNICAL PRESENTATION

Synergic Mode Auto-Programming



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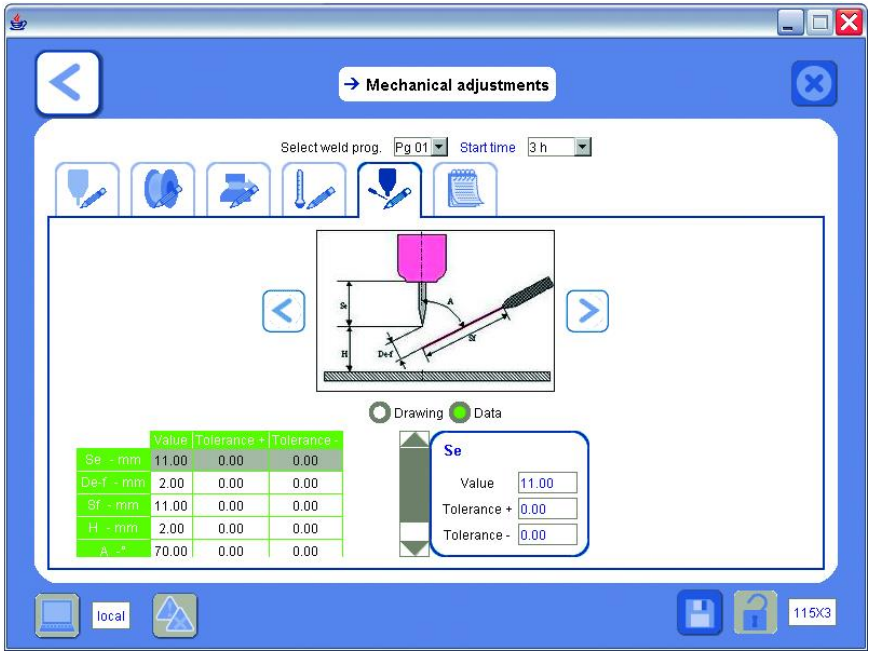
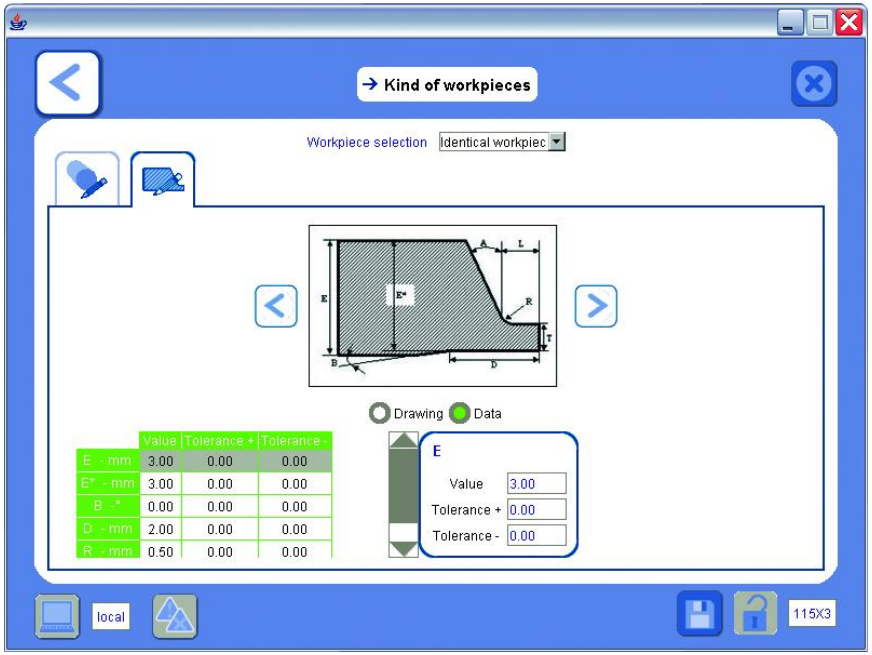
TECHNICAL PRESENTATION

Traceability and Complete Documentation of Mechanical and Electrical Parameters





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TECHNICAL PRESENTATION

- **Program control by time or angular degrees calibrated in mm/min or inch/min**
- **Comprehensive real-time welding data acquisition**
- **Error-diagnostic system**
- **Automatic welding head recognition**
- **Built-in printer for welding procedure archiving and documentation**

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TECHNICAL PRESENTATION

- **Ethernet compatible**
- **Closed loop regulation of torch rotation and wire speed**
- **Built-in Arc Voltage Control (AVC) and Torch Oscillation Control (OSC)**
- **Torch gas control with safety valve and flow detection**
- **External closed loop water cooling system with safety valve for welding head and torch**

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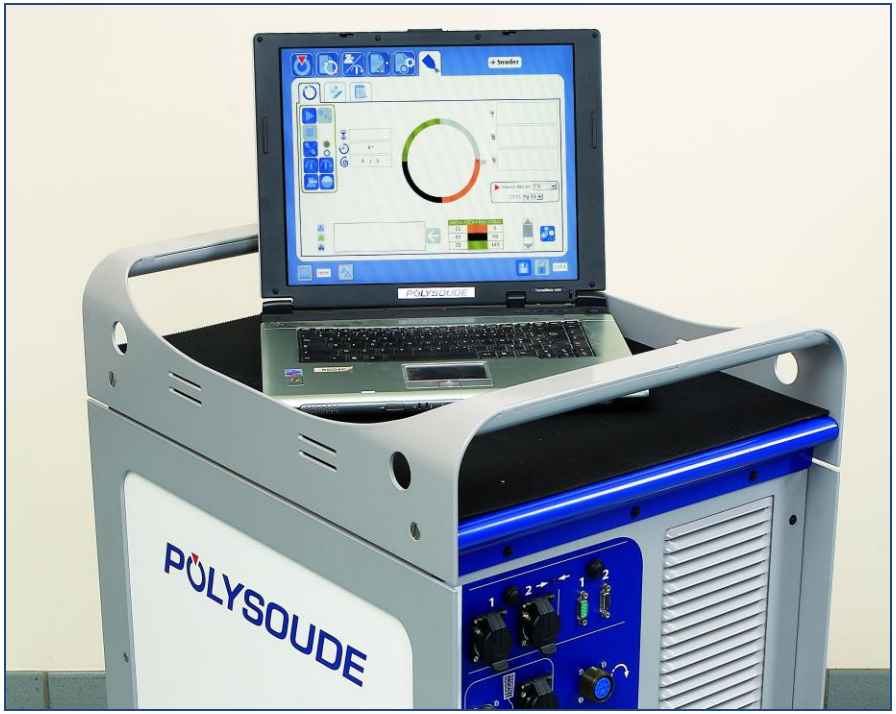
TECHNICAL PRESENTATION



Offline & online programming with standard PC as well as optional touch screen

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TECHNICAL PRESENTATION

USB memory stick for saving, loading and archiving of welding programs and monitored welding data

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TECHNICAL PRESENTATION

Full function remote control 6-axes with welding program selection

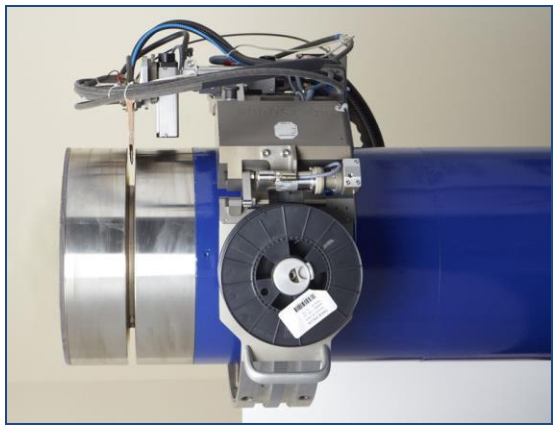
ASSOCIATED WELDING HEADS

For mid-size tubing and piping

Open Type Welding Heads
MU IV 195 HW
O.D. 76 – 195 mm

ASSOCIATED WELDING HEADS

For heavy duty tubing and piping



Open type carriage welding heads
Polycar PLC
O.D. ≥ 168 mm

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ADVANTAGES

- Automatic welding procedure generation with an intelligent and intuitive user interface combined with the latest most reliable industrial electronics
- Real time welding data acquisition
- High precision inverter power source, compact design with built-in water cooling system for welding head and torch

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TECHNICAL SPECIFICATION

Welding current range Hot Wire current range	5 to 520 A - constant or pulsed 3 to 140 A
Welding current precision	± 1 A when I ≤ 100 A and ± 1 % when I > 100 A
Duty cycle welding current Duty cycle Hot Wire	≥ 520 A / 60 % - 420 A / 100 % 140 A / 100 %
Motion controls	Torch rotation: constant or pulsed Wire feeder: constant or pulsed / automatic wire retract AVC - Arc Voltage Control OSC - Torch Oscillation Control
Shielding gas control	Welding gas, backing gas, with flow safety valve
Power source cooling	Forced ventilation
Welding torch cooling	External cooling system with internal flow safety valve
Display / recording (non-volatile) of real values during welding	Arc Voltage, welding current, electrode position in angular degrees, welding speed and wire speed
Real time data acquisition	Hard disc / USB memory stick

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Thank you for your attention!