

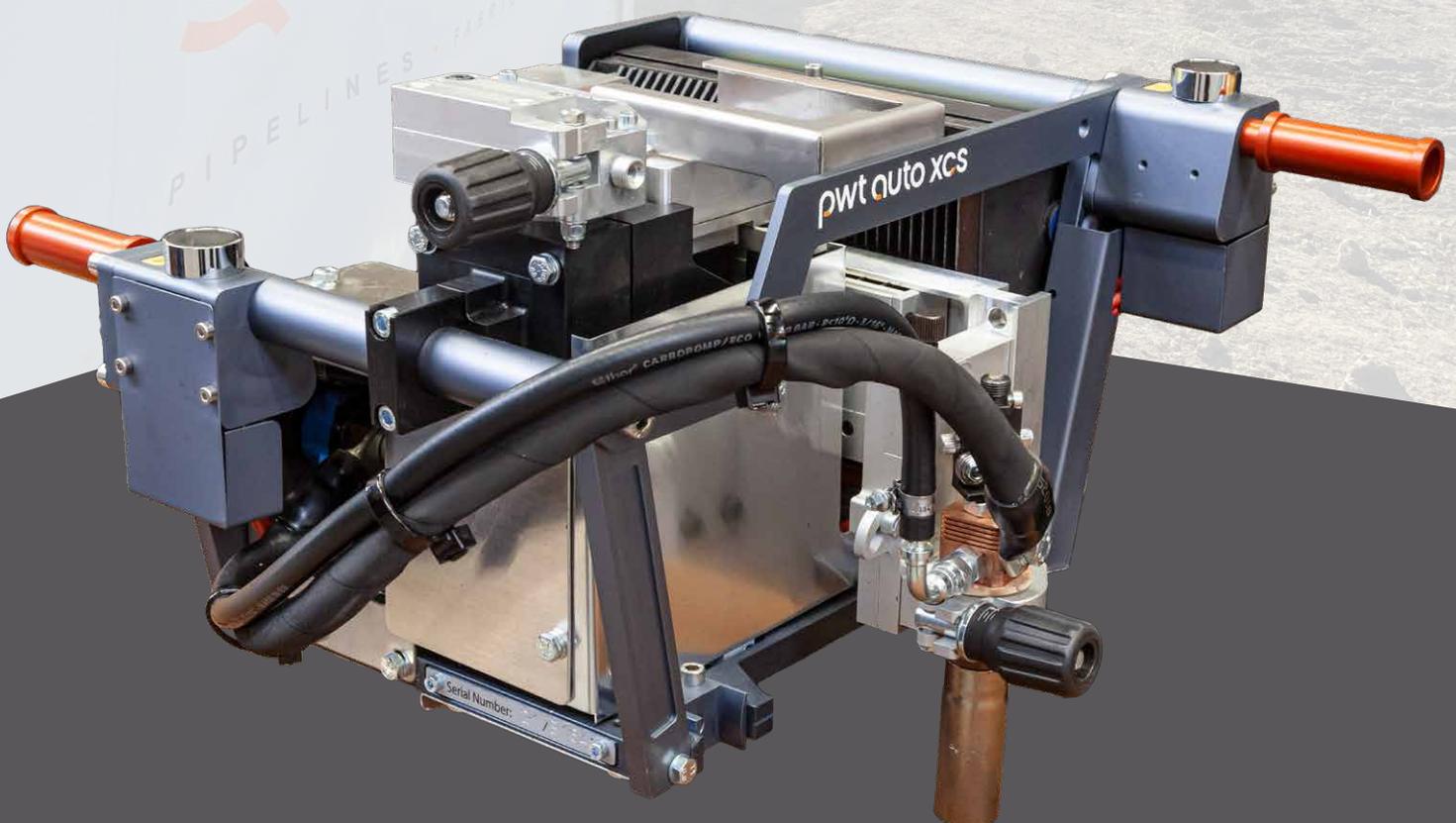
WELDING SYSTEM

XCS

Automatic welding system with high performances and advanced welding arc control features. The PWT AUTO XCS welding system is reliable and flexible using a special process for root-pass welding (with or without copper backing), Advanced Pulse for fill/cap and FCAW for tie-ins and crossings.

Features:

- Advanced Pulse
- Seam tracking
- Automatic CTWD
- Automatic gas mixer
- External display to monitor actual parameters



CONTROL BOX

Containing two power sources, electronic PSU, dual gas mixer for Argon/CO2 and integrated display to monitor actual parameters during welding.



TECHNICAL DATA

Length (mm)	1000
Width (mm)	1000
Height (mm)	1000
Weight (kg)	340 with Power Sources
Input voltage	400V alternating +/- 10%- Three phase
Degree of protection	IP23

SPOOL HOLDER WITH MONITOR

Installed inside the welding tent, two standard spool holders (15 to 18kg) complete with display, to monitor and (if required) change parameters during welding.

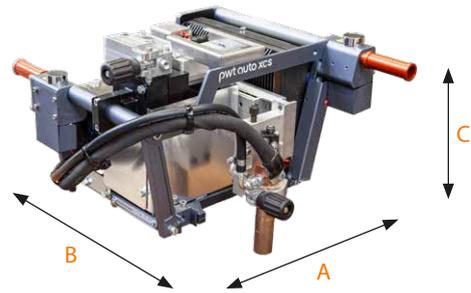


TECHNICAL DATA

Length (mm)	450
Width (mm)	320
Height (mm)	555
Weight (kg)	5 (without wire spool)
Degree of protection	IP54
Operating Temperature	-30°C to + 60°C
Input Voltage	24V

WELDING BUG

Two identical welding bugs, interchangeable left- and right-hand. Ergonomic design and easy to handle. Quickly to place on Guide Band.



TECHNICAL DATA

Length "A" (mm)	380
Width "B" (mm)	450 (incl. handles)
Height "C" (mm)	300
Weight (kg)	17
Vertical Axis stroke (mm)	30
Horizontal stroke (mm)	55
Tilt sensor	accurate to +/- 1°
Torch inclination	+/- 15°, accurate to +/- 1°
Oscillation amplitude (mm)	0-25
Dwell time	0-2 sec.
Wire feed speed	0-16 m/min
Travel speed	0-150 cm/min
Wire feed motor	Digital Stepper Motor
Travel motor	Digital Stepper Motor
Oscillation and Horizontal motor	Digital Stepper Motor
Vertical motor and CTWD (Control tips work distance) motor	Digital Stepper motor
Minimum Cutback Distance (bevel to coating)	140 mm
Minimum Cutback Distance (bevel to concrete)	305 mm
Operating temperature	-30°C / + 60°C
Pipe diameter range	6" and up