

■ SWSO | CIRCULAR WELDING SUPPORT SYSTEM

The SWSO – circular welding support system is capable of circumferential welding of pipe elements, flanges and fasteners such as elbows, tees etc.

The system is available in two essential configurations for standalone operation (3 voltage variants) and for use with the PROMOTECH Premium Positioners.

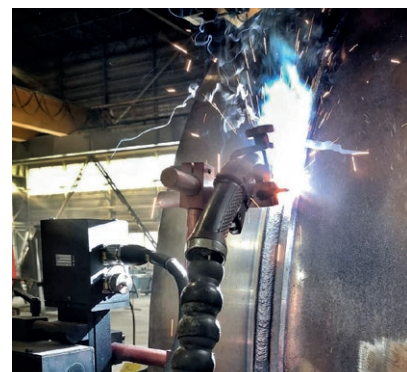
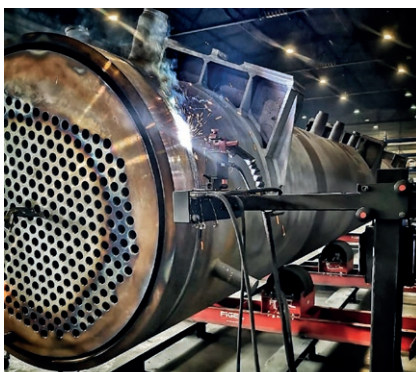
Depending on the task at hand, the SWSO can be used in a basic or more advanced configuration by choosing from the following components:

- Torch stand
- Linear oscillator
- Power supply unit
- Motorized vertical slide
- Seam tracking attachment
- Remote control pendant
- Remote control cables

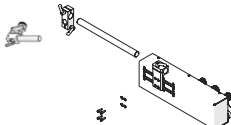
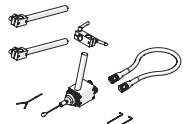
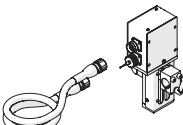


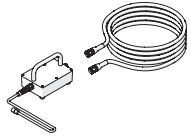
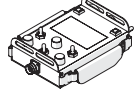


■ Features and benefits:

- Ergonomic remote control pendant with LCD display and simple, easy-to-find knobs allows intuitive and fast adjustment of welding parameters without lifting the operator's welding hood
- Seam tracking attachment along with motorized vertical slide ensure active compensation of torch position vertically and horizontally with and without oscillation for high-quality welds
- Provides a variety of weld paths with straight, triangular and trapezoidal oscillation patterns
- **The full potential can be reached when integrated with the PROMOTECH premium positioners**



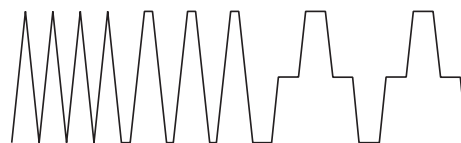
The system is available in two essential configurations for standalone operation (3 voltage variants) and for use with the PROMOTECH Premium Positioner.

SYS-0720-10-20-00-0	SWSO for standalone operation, plug EU	SWSO for standalone operation			SWSO for use with PROMOTECH Premium Positioners
		EU	D	US	
	OSC-0720-01-00-00-0 Linear oscillator	•	•	•	•
	CZJ-0654-05-00-00-0 Seam tracking attachment	•	•	•	•
	OSK-0654-04-00-00-0 Motorized vertical slide	•	•	•	•
	KBL-0466-17-00-00-0 Start-Stop arc ignition cable 6,5 m	•	•	•	•
	PWD-0736-30-00-00-0 Transmission cable 3 m	•	•	•	•
	ZSL-0720-03-00-05-0 (230V, EU) ZSL-0720-03-00-04-0 (230 V, D) ZSL-0720-03-00-01-0 (115 V, US) Power supply unit	•	•	•	N/A
	PNL-0736-23-00-00-0 Remote control pendant for SWSO	•	•	•	N/A

■ Linear Oscillator

Oscillation width	115 mm
Oscillation speed	10-200 cm/min.
Oscillation delay time	0-5 s
Vertical slide altitude range	50 mm

■ Linear Oscillation Paths



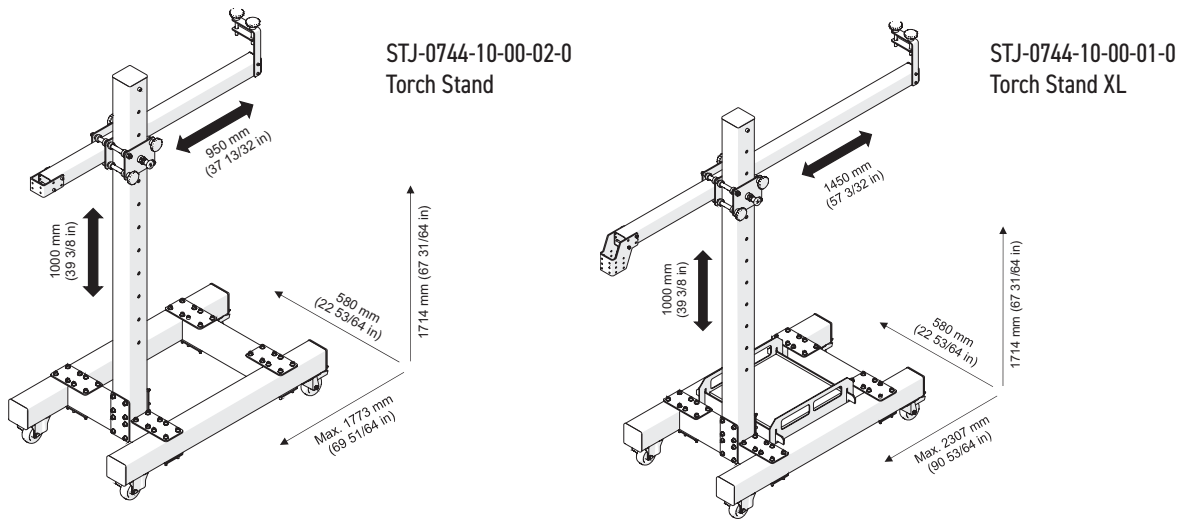
■ Remote Control Pendant

Depending on the SWSO configuration, the remote control pendant allows for setting and adjustment of the following parameters:

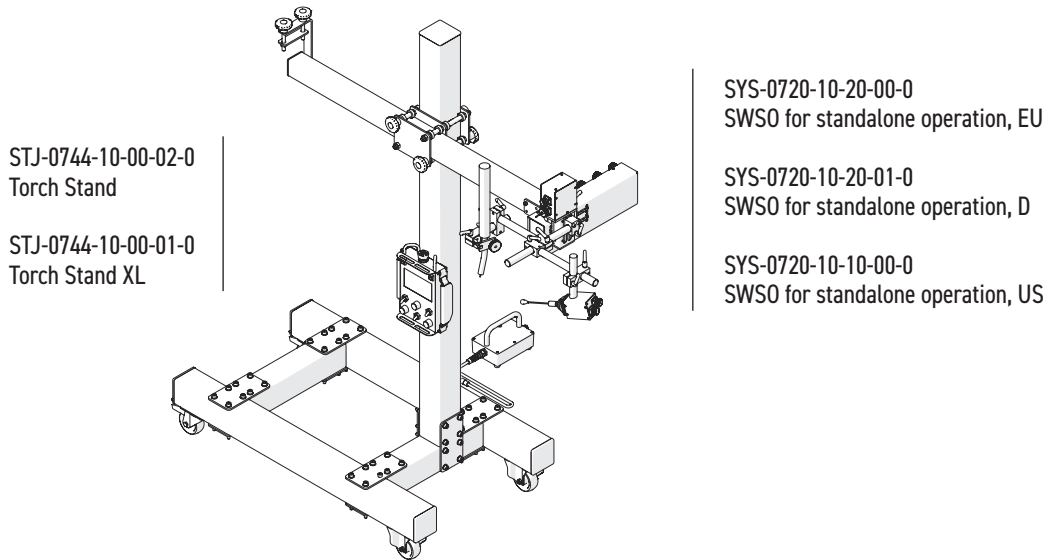
- Oscillation offset
- Oscillation dwell time in left position
- Oscillation dwell time in center position
- Oscillation dwell time in right position
- Oscillation width
- Oscillation speed
- Torch height
- Tracking sensor tilt in Y and Z axes



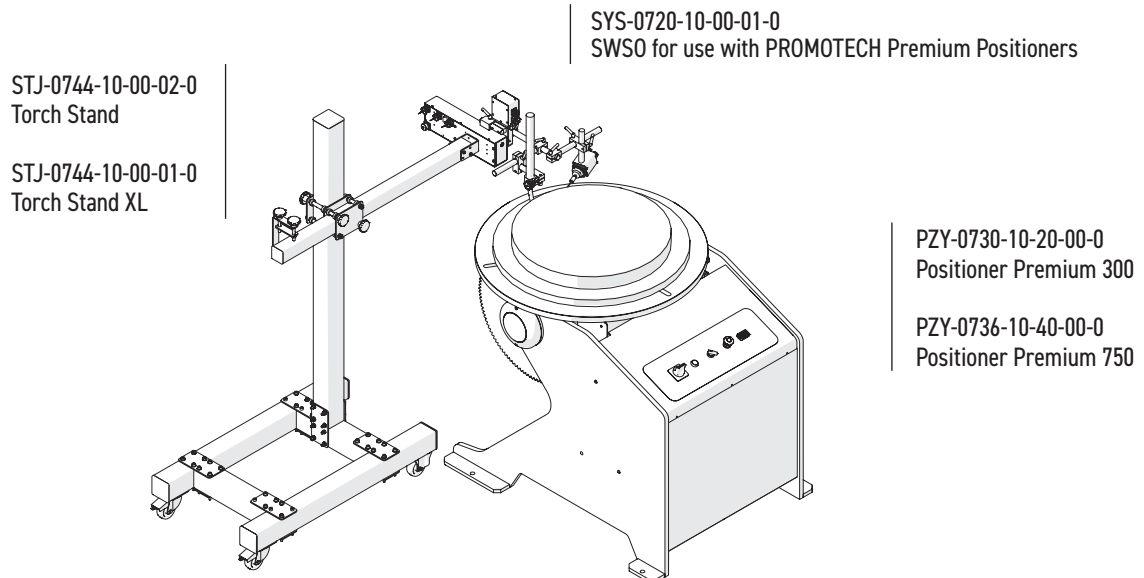
The SWSO system can be equipped with either a standard or and XL torch stand, depending on customer needs.

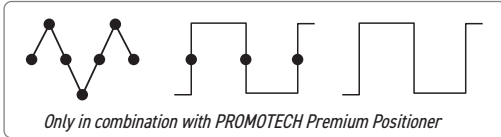
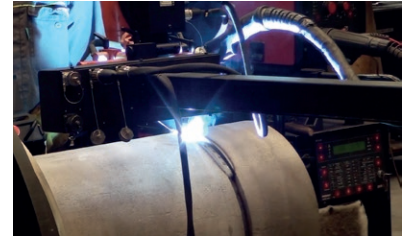
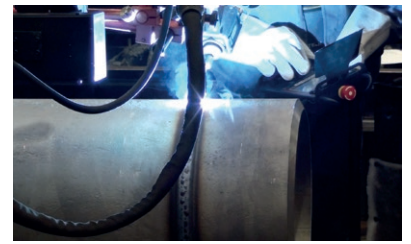


SWSO - Circular Welding Support System for standalone operation



SWSO - Circular Welding Support System for use with PROMOTECH Premium Positioners





Optional accessories



Cross slide assembly (option)
35 mm x 35 mm (left & right, up & down)
ZSP-0466-14-00-00-0



Sensor rod with tip I with rod for seam tracking
ADT-0506-40-00-00-0



Sensor rod with tip II with rod for seam tracking
ADT-0506-41-00-00-0



Sensor rod with tip IV with rod for seam tracking
ADT-0506-43-00-00-0



Guiding rod for seam tracking attachment
PRT-0550-05-00-00-0



Sensor rod with a ball tip for seam tracking attachment
ELM-0523-07-01-14-0



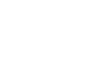
Sensor rod with a fork tip for seam tracking attachment
PRT-0523-07-01-16-0



Sensor rod for tips for seam tracking attachment
WSP-0523-07-01-13-0



KBL-0466-17-00-04-0
Start-Stop arc ignition cable 13 m

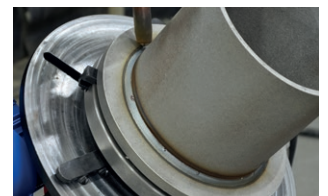
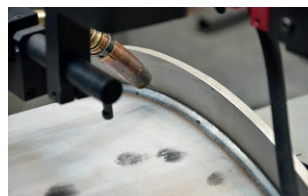
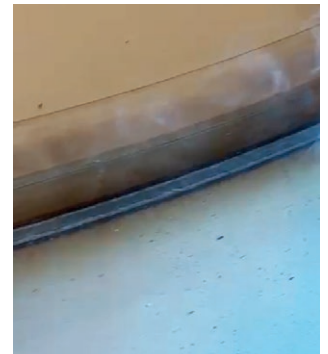
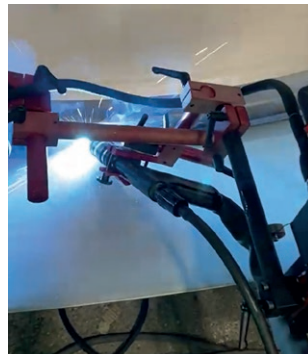


PWD-0736-30-00-00-0
Transmission cable 3 m



PWD-0736-30-00-01-0
Transmission cable 5 m

PWD-0736-30-00-02-0
Transmission cable 10 m



More information available at www.promotech.eu



Mitglied im DVS - Deutscher Verband für Schweißen und verwandte Verfahren e. V.



All information is subject to change without notice. 26.04



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