

■ Mini Column & Boom System (SWS0)

The Mini Column and Boom System is capable of circumferential welding of pipe elements, flanges and fasteners such as elbows, tees etc.

The modular design allows for versatile use and easy configuration of the system elements to perform various welding applications.

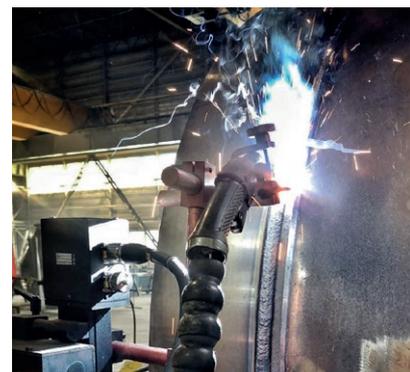
Depending on the task at hand, the Mini Column and Boom System can be used in a basic or more advanced configuration by choosing from the following components:

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



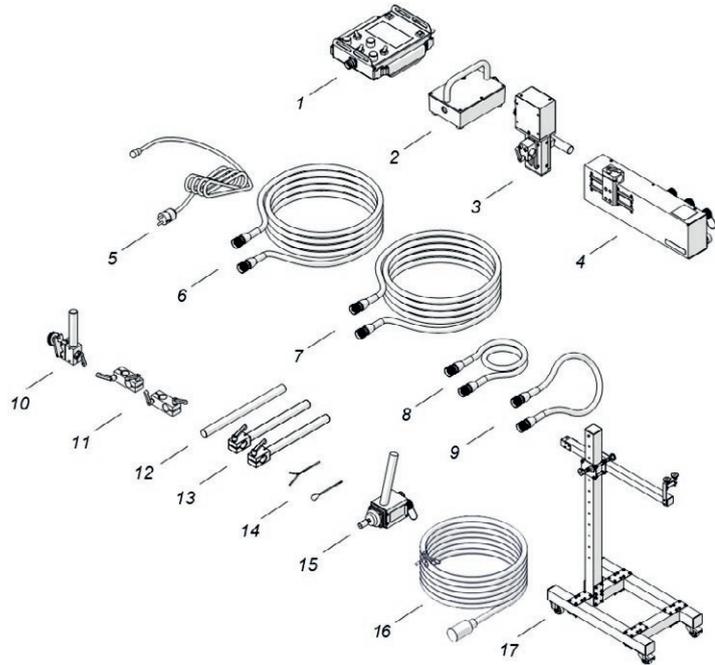
■ Features and benefits:

- 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**



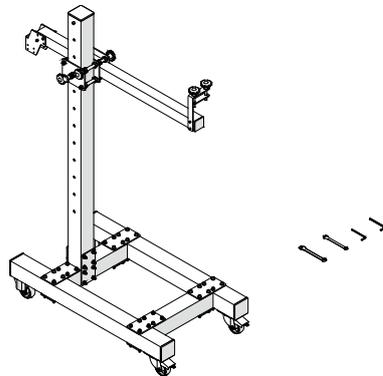
■ Configuration of Mini Column & Boom

1. Remote control pendant
2. Power supply unit
3. Motorized vertical slide
4. Linear oscillator
5. Power supply cable
6. 3 m remote control cable
7. 5 m transmission cable
8. 0.8 m connection cable
9. 1 m connection cable
10. Torch holder
11. Clamping blocks (2 pcs)
12. Support
13. Support with clamping block (2 pcs)
14. Seam tracking sensor rods
15. Seam tracking sensor
16. 6,5 m Start-Stop arc ignition cable
17. Torch stand



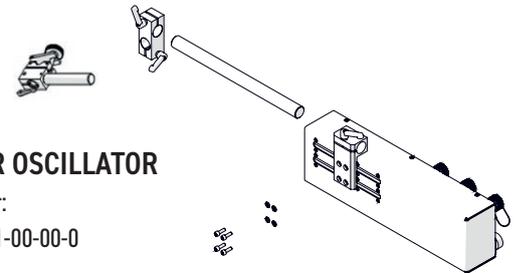
I. TORCH STAND

Part number:
STJ-0744-10-00-00-0



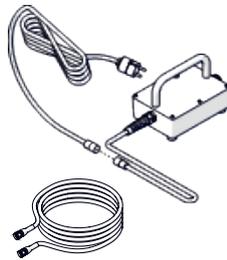
II. LINEAR OSCILLATOR

Part number:
OSC-0720-01-00-00-0



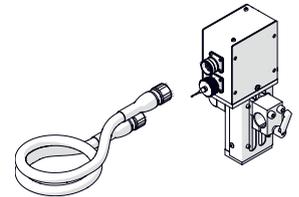
III. POWER SUPPLY UNIT

Part numbers:
ZSL-0720-03-00-05-0 (230V)
ZSL-0720-03-00-04-0 (230 V, India type D)
ZSL-0720-03-00-03-0 (230 V, UK type G)
ZSL-0720-03-00-02-0 (230 V, Australia)
ZSL-0720-03-00-01-0 (115 V)



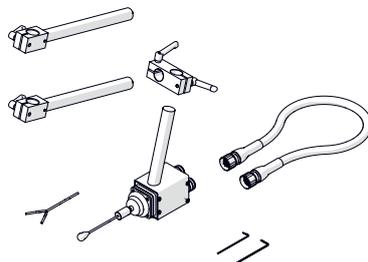
IV. MOTORIZED VERTICAL SLIDE

Part number:
OSK-0654-04-00-00-0



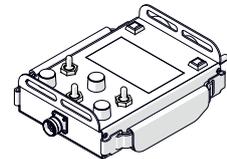
V. SEAM TRACKING ATTACHMENT

Part number:
CZJ-0654-05-00-00-0



VI. REMOTE CONTROL PENDANT

Part number:
PNL-0736-23-00-00-0



When the Mini C&B is used in configuration with PROMOTECH Premium Positioners, a remote control pendant is not required as it is supplied with the positioner.

VII. START-STOP ARC IGNITION CABLE

Part number:
KBL-0466-17-00-00-0 (6,5 m long)
KBL-0466-17-00-04-0 (13 m long)



VIII. TRANSMISSION CABLES

Part number:
PWD-0736-30-00-00-0 (3 m long)
PWD-0736-30-00-01-0 (5 m long)
PWD-0736-30-00-02-0 (10 m long)



When the Mini C&B is used in configuration with PROMOTECH Premium Positioners, a control cable is not required as it is supplied with the positioner.

■ Linear Oscillator

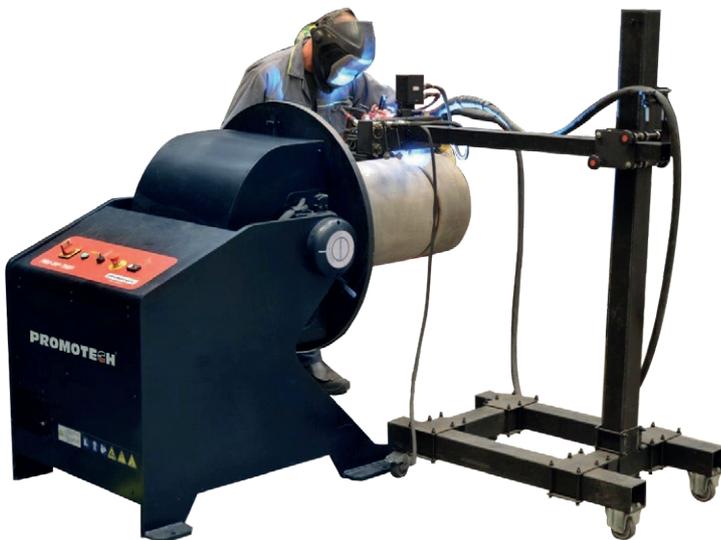
Oscillation width	115 mm
Oscillation speed	10-200 cm/min.
Oscillation delay time	0-5 s
Vertical slide altitude range	50 mm

■ Remote Control Pendant

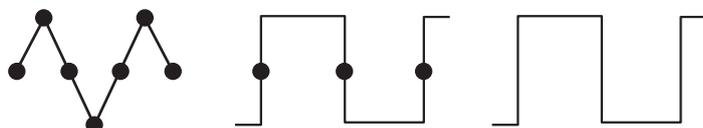
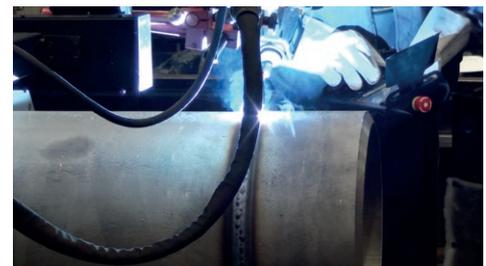
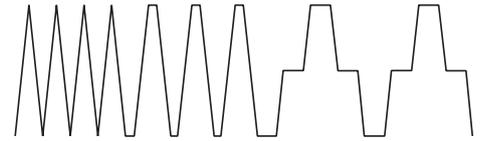
Depending on the Mini Column & Bom System configuration, the remote control pendant allows for setting and adjustment of the following parameters:

- 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

■ Configuration with PROMOTECH premium positioners PRO-WP 300P and PRO-WP 750P



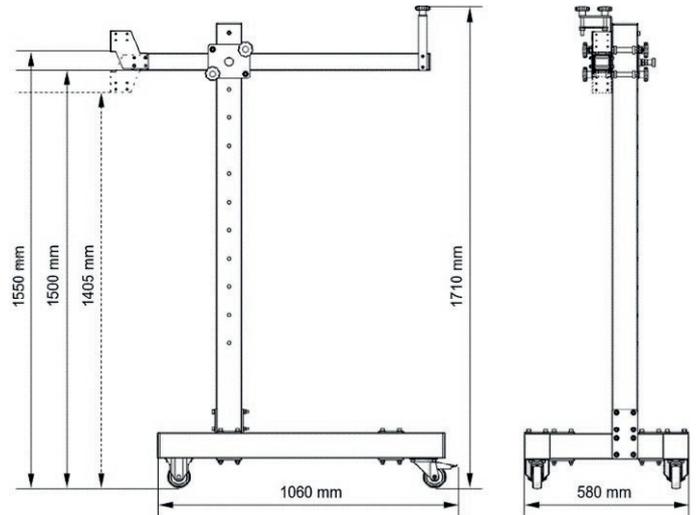
■ Linear Oscillation Paths



Only in combination with PROMOTECH Premium Positioner

Torch Stand

Height	1710 mm
Length	1060 mm
Width	580 mm
Vertical movement range	1000 mm
Horizontal movement range	805 mm
Maximum load with full extension of horizontal arm	7 kg



Auxillary accessories for seam tracking attachment:

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Cross slide assembly (option)
35 mm x 35 mm (left & right, up & down)
ZSP-0466-14-00-00-0
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Sensor rod with tip I with rod for seam tracking
ADT-0506-40-00-00-0
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Sensor rod with tip II with rod for seam tracking
ADT-0506-41-00-00-0
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Sensor rod with tip IV with rod for seam tracking
ADT-0506-43-00-00-0
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Guiding rod for seam tracking attachment
PRT-0550-05-00-00-0
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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



More information available at www.promotech.eu

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All information is subject to change without notice. 25.12



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