

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:

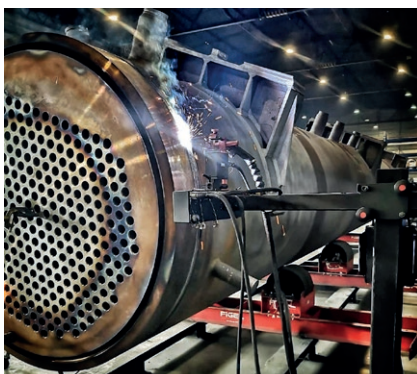
- Torch stand
- Linear oscillator
- Power supply unit
- Motorized vertical slide
- Seam tracking attachment
- Remote control pendant
- Remote control cables

TIG
compatible



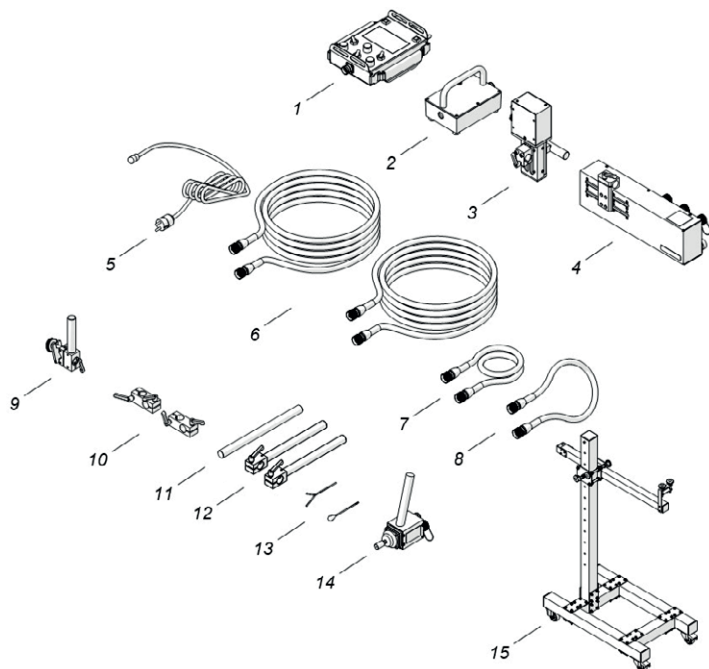
Features and benefits:

- 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**



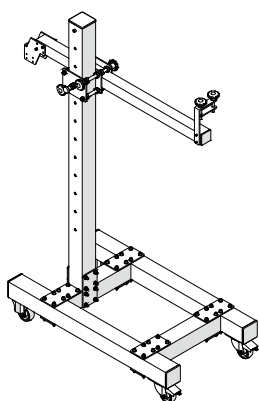
■ Configuration of Mini Column & Boom

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 (2 pcs)
7. 0.8 m connection cable
8. 1 m connection cable
9. Torch holder
10. Clamping blocks (2 pcs)
11. Support
12. Support with clamping block (2 pcs)
13. Seam tracking sensor rods
14. Seam tracking sensor
15. Torch stand



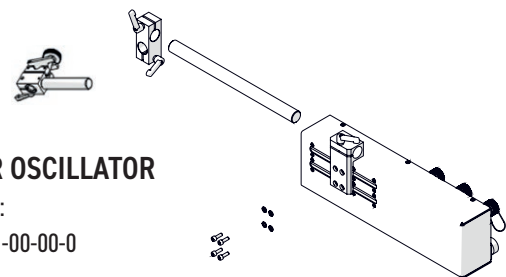
I. TORCH STAND

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



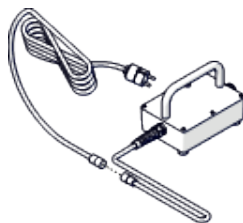
II. LINEAR OSCILLATOR

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



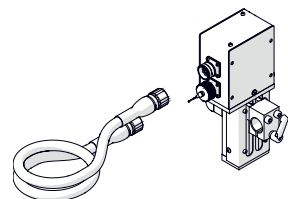
III. POWER SUPPLY UNIT

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)



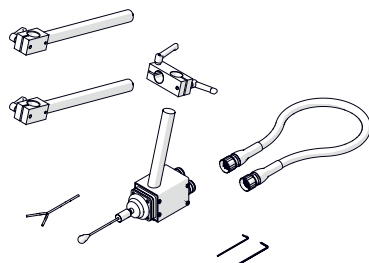
IV. MOTORIZED VERTICAL SLIDE

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



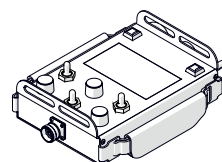
V. SEAM TRACKING ATTACHMENT

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



VI. REMOTE CONTROL PENDANT

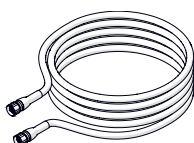
Part number:
PNL-0736-23-00-00-0



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. REMOTE CONTROL CABLE

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

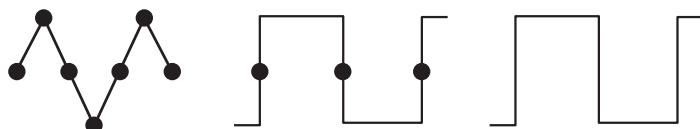
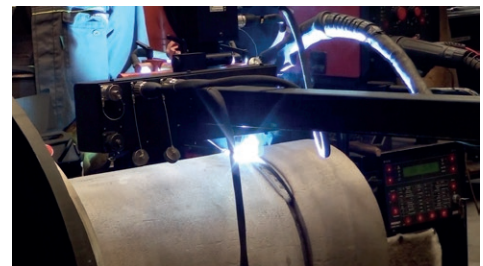
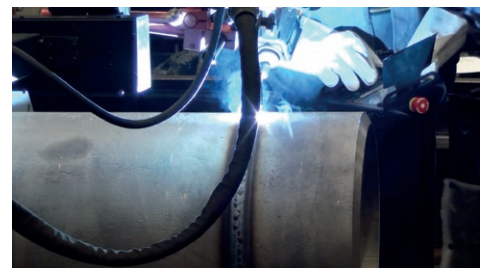
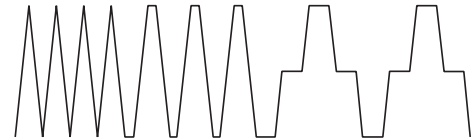
Depending on the Mini Column & Bom System configuration, the remote control pendant allows for setting and adjustment of the following parameters:

- 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



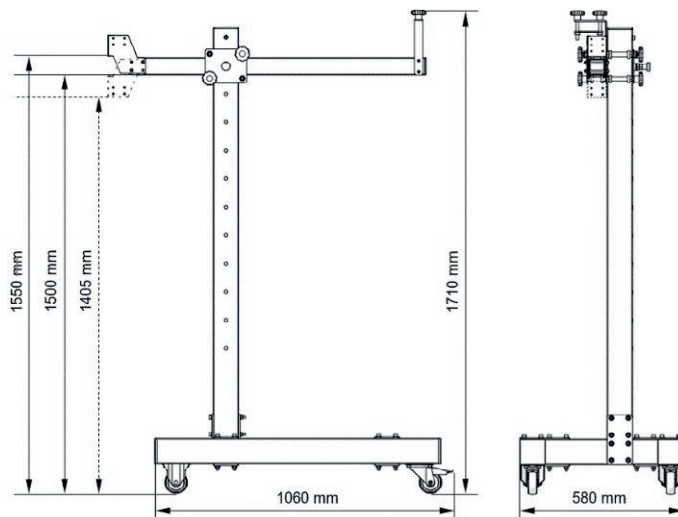
Linear Oscillation Paths



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:



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



Tip I for seam tracking attachment
ADT-0506-40-00-00-0



Tip II for seam tracking attachment
ADT-0506-41-00-00-0



Tip IV for seam tracking attachment
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



More information available at www.promotech.eu

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