

## COLUMN & BOOM Welding Manipulator

### Highly Configurable System for Circumferential Welding

Engineered for precision and flexibility, the Steelmax Mini Column and Boom System is a compact, modular welding automation solution designed to meet the demands of small to mid-sized fabrication projects. Ideal for the circumferential welding of pipe sections, flanges, elbows, tees, and other critical components, this system enhances weld quality, repeatability, and efficiency across a wide range of applications.

The modular design provides unmatched adaptability, allowing operators to configure the system based on specific welding needs—whether using a simple base setup for smaller parts or a more advanced configuration for complex or high-volume production. The Mini Column and Boom System integrates easily with welding power sources and positioners, making it an excellent choice for both standalone and fully automated work cells.



#### FEATURES:

- **Ergonomic Remote with LCD Display**  
Easily adjust welding parameters on the fly with a user friendly pendant—no need to lift your hood.
- **Automatic Seam Tracking**  
Motorized vertical slide and tracking system maintain torch position for consistent, high-quality welds.
- **Multiple Weld Paths**  
Supports straight, triangular, and trapezoidal oscillations for optimal and repeatable weld coverage
- **TIG Compatible**

#### REMOTE CONTROL PENDANT

Based on configuration pendant allows for setting and adjustment of the following parameters:

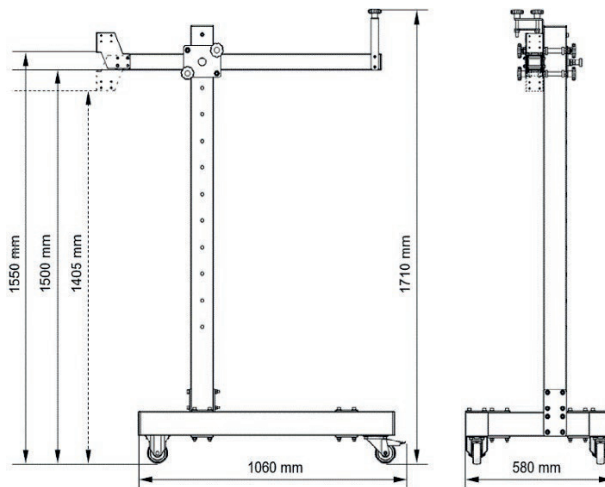
- Oscillation offset
- Oscillation dwell time in left position
- Oscillation dwell time in center position
- Oscillation dwell time in right position
- Oscillation width & speed
- Torch height
- Tracking sensor tilt in Y and Z axis



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# MINI COLUMN & BOOM SYSTEM FROM STEELMAX®

TORCH STAND	
Height	67" (1710 mm)
Length	41 1/2" (1060 mm)
Width	22 3/4" (580 mm)
Vertical movement range	39 1/3" (1000 mm)
Horizontal movement range	31 1/2" (805 mm)
Maximum load with full extension of horizontal arm	15 1/2" lbs (7 kg )



## Shipping Set

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



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For ordering and customer service, or to request detailed product information or demonstration videos, contact:

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