

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



Steelmax.

The tools of innovation.