

## MODULAR WELDING STATIONS

Promotech offers modular workstation capable of circumferential welding of pipe elements, flanges and fasteners such as elbows, tees etc. The modular design allows for versatile use and easy adaptation of the system devices to perform various applications such as welds with oscillation, hardfacing and many others.

**TIG**  
resistant

■ **Modular Welding Stations** can be configured in a variety of ways depending on customer's needs with the following devices:

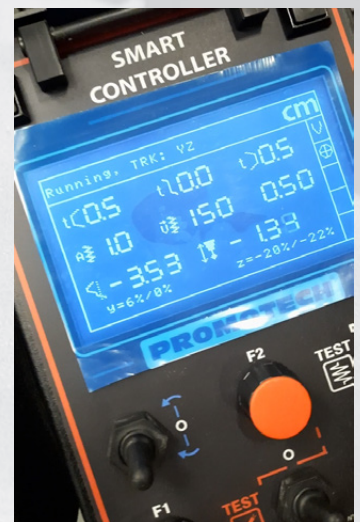
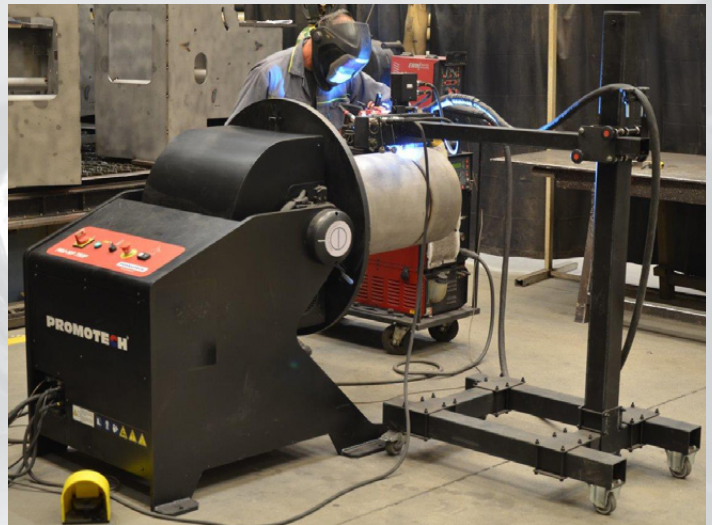
- Positioner 750 Premium
- Positioner 300 Premium
- Linear oscillator
- Motorized vertical slide
- Seam tracking attachment
- Pendulum oscillator OSC-8

■ **Premium Positioners** enable:

- rotation
- start/stop
- speed setting
- arc ignition
- intermittent (stitch) welding with the adjustment of weld length, interval between welds and number of welds
- display of actual welding speed (m/min or ft./min)
- settings of total weld length or the rotation angle
- overlap length adjustment
- back welding
- crater fill
- cladding

■ **Smart Controller** comes together with premium positioner and enables adjustment of all welding functions. When the premium positioner is configured with other devices, the control panel additionally allows adjustment of such parameters as:

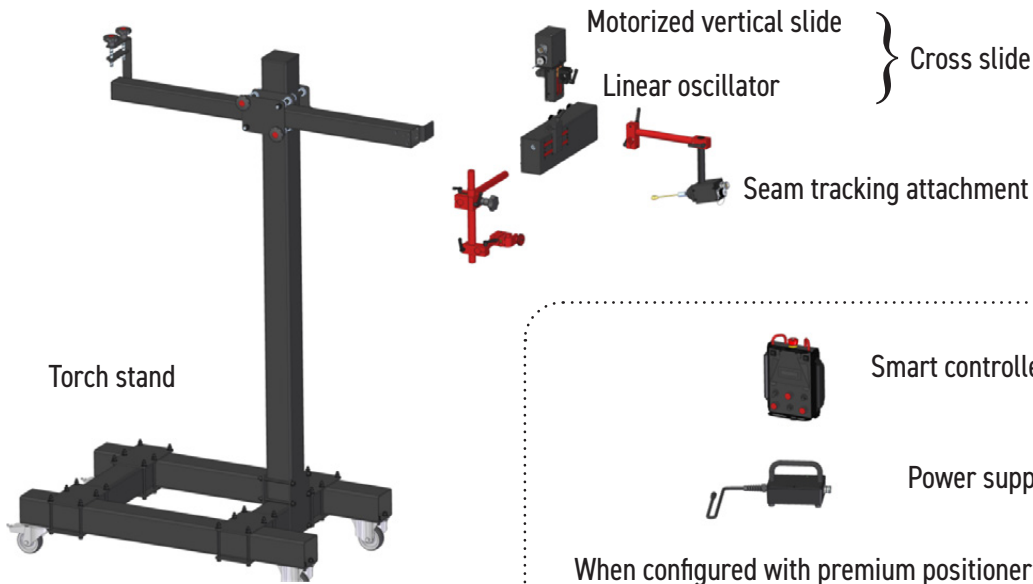
- linear oscillation width, speed and delay time
- vertical torch position
- seam tracking





A portable control panel allows the operator to easily enter data and conveniently monitor various aspects of the welding process.

	Input of workpiece dimension information into the system
<b>MODE</b>	Selection of the welding procedure and precise setting of its parameters (e.g. continuous, intermittent, number of welds, back welding, overlap, crater fill etc.)
	Selection of automatic tracing in the y-axis, z-axis or simultaneously in the y-axis and z-axis

**Mini Column & Boom System** - stand alone version that can be configured with any positioner.



 Smart controller  
 Power supply unit  

When configured with premium positioner a cost-effective Mini Column & Boom System without the smart controller and power supply unit can be ordered instead of the full version.

**Features and benefits:**

- Easy and high precision positioning of the torch to a work piece using Smart Controller
- Wide range of linear oscillation settings
- Seam tracking enables active compensation of torch position vertically and horizontally with and without oscillation

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

Positioner technical specification	Premium 300	Premium 750
Speed range min/max	0,12 - 2,4 rpm	0,035 - 1,4 rpm
Max load capacity	300 kg	750 kg
Mass center offset at a 90° tilt	up to 100mm	up to 150 mm
Faceplate diameter	630 mm	920 mm
Tilt angle range	0-90°	0-135°
Tilt angle adjustment	manually	motorized
Hollow-shaft inside diameter	28 mm	28 mm
Max welding current transfer	400 A	550-600A
Voltage	220-240 V, 50-60 Hz 100-120 V, 50-60 Hz	3x400V 50/60 Hz



All information is subject to change without notice. 23.08



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