

STEELBEAST® MODULAR WELDING STATIONS

VERSATILE MODULAR SYSTEM FOR PRECISION WELDING

SteelBeast offers a modular workstation designed for circumferential welding of pipe elements, flanges, and fittings such as elbows and tees. Its modular construction ensures maximum versatility, allowing easy adaptation for a wide range of applications, including oscillation welding, hardfacing, and more.

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
- Motorised vertical slide
- Seam tracking attachment
- Pendulum oscillator OSC-8

Premium Positioners

- **User-friendly control panel** for setting and monitoring process parameters
- **Stable rotation speed** across the full range from 0.12 to 2.4 rpm
- **Continuous speed adjustment** for precise control
- **Display and configuration** of welding parameters in cm/in and cm/min or in/min
- **Arc ignition control** with adjustable pre- and post-crater fill
- **Bidirectional rotation** – left and right
- **Heavy-duty construction** for durability in industrial environments
- **Compatible with the optional Mini C&B System** for building an advanced modular welding station

CONTINUOUS
WELDING

INTERMITTENT
WELDING

AUTOMATIC
INTERMITTENT
WELDING

OVERLAP
WELDING

HARDFACING

The **Smart Controller** is supplied with the premium positioner & provides full control over all welding functions.

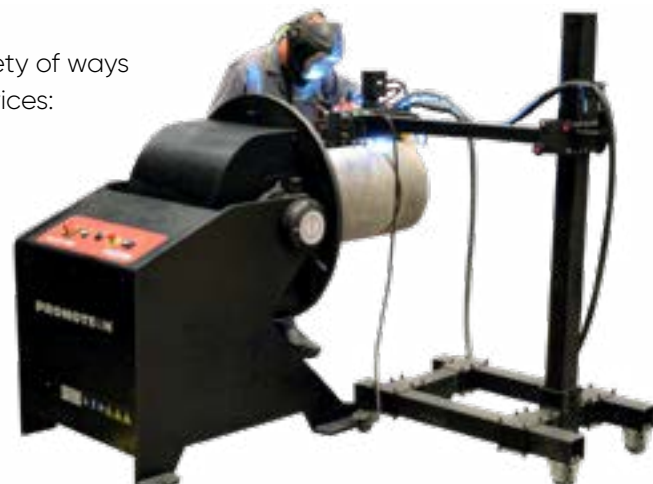
When configured with additional devices, it also enables adjustment of key parameters such as:

- Linear oscillation width, speed, & delay time
- Vertical torch position
- Seam tracking

Portable Control Panel

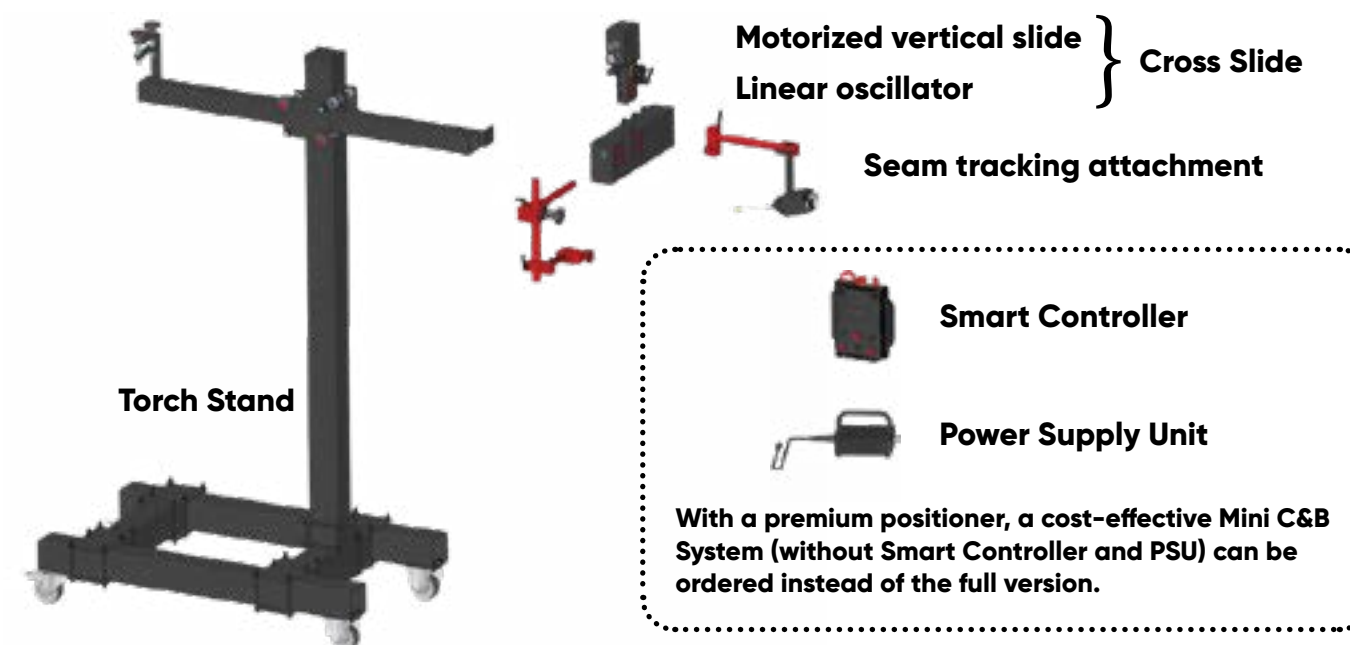
Allows the operator to easily input data and monitor all key aspects of the welding process.

	Input of workpiece dimension information into the system
MODE	Welding procedure selection with precise parameter control (e.g., continuous, intermittent, back weld, overlap, crater fill)
	Automatic tracing in Y, Z, or simultaneously in Y+Z axes



STEELBEAST® MINI COLUMN & BOOM SYSTEM

STANDALONE UNIT – CONFIGURABLE WITH ANY POSITIONER



Features & Benefits

- **Precise torch positioning** on the workpiece via Smart controller
- **Flexible linear oscillation** with a wide range of settings
- **Seam tracking** for active vertical and horizontal torch compensation, with or 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 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	28 mm
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

