

STEELBEAST® WA COMPACT

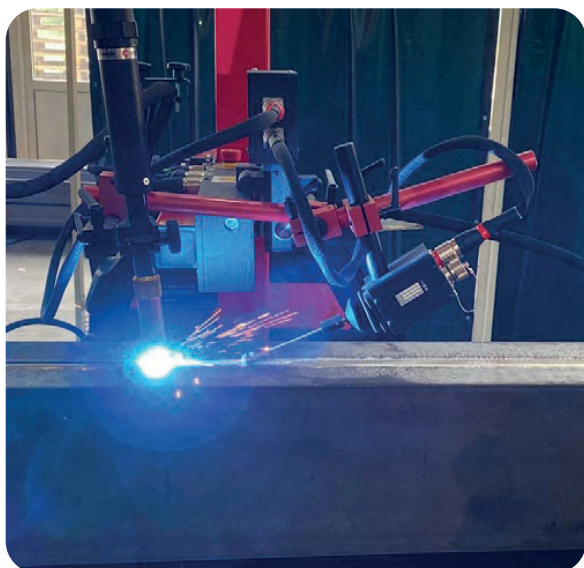
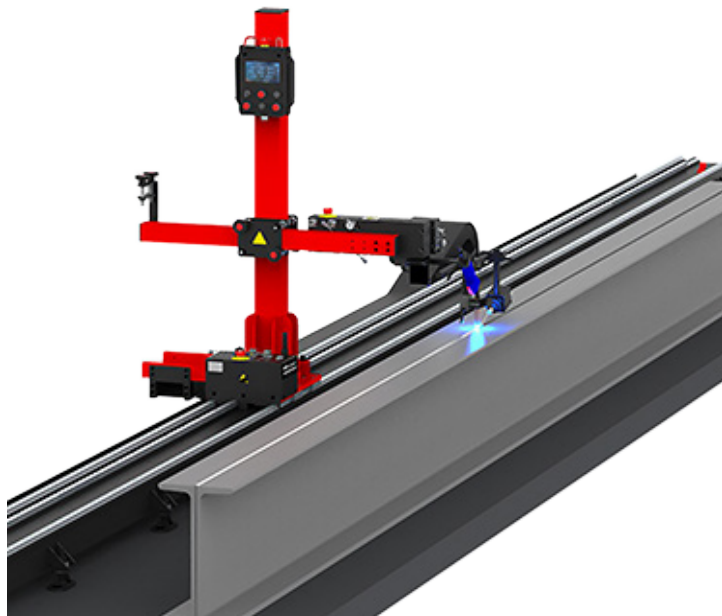
WELDING SYSTEM

The **WA Compact** is an advanced and versatile welding solution designed for continuous and stitch butt or fillet welds using the MIG/MAG process.

It features pendant-based machine control and provides efficient joint tracking for active torch position compensation, both vertically and horizontally, with or without oscillation.

Supporting multiple oscillation patterns – straight, triangle, trapezoid, and square – the **WA Compact** adapts easily to a wide range of welding tasks.

Ideally suited for industrial use, it offers a highly efficient and cost-effective solution for workshops and large-scale production environments.



Features & Benefits:

- **Advanced welding capabilities:** Supports continuous and stitch welding using the MIG/MAG process for maximum versatility.
- **Precision and efficiency:** Oscillation and joint tracking with a motorized vertical slide ensure accurate torch positioning and high-quality welds.
- **Flexible oscillation patterns:** Straight, triangle, trapezoid, and square paths for different welding applications.
- **User-friendly control:** Ergonomic remote pendant with clearly marked knobs allows adjustments without removing the welding hood.
- **Custom track length:** 2 m support segments can be configured to meet specific workspace requirements.
- **Cost-effective solution:** Delivers advanced functionality and adaptability at an affordable cost – ideal for workshops and large industrial facilities.

Welding joints:



STEELBEAST®

WA COMPACT

WELDING SYSTEM

WA COMPACT TECHNICAL SPECIFICATION

Voltage	1~ 110–120 V, 50–60 Hz 1~ 220–240 V, 50–60 Hz
Power	200 W
Torch type	MIG/MAG
MIG/MAG torch diameter	16–22 mm (5/8"–55/64")
Horizontal speed	0,05–2,5 m/min (2–98 inch/min)
Standard torch travel length *	3.5 m
Standard overall track length *	4 m
* Can be extended by a 2 m long track section to maximum 20 m total length	Option
Cable chain in custom lengths on request	Option
Rotating module	Option
Oscillation type	Linear
Weld path	Straight, triangle, trapezoid, square
Oscillation width	0–11,4 cm (0–4 31/64")
Oscillation speed	0,1–2 m/min (4–79 inch/min)
Oscillation dwell time at center and on ends	0–5 s
Maximum oscillator pulling force	50 N
Weight (incl. 4 m standard track length)	484 kg

WA Compact Oscillation Paths

	Triangle: The machine travels only during oscillation. During oscillation dwell time, the machine stops to fill the crater.
	Trapezoid: The machine travels at all times, also during oscillation dwell time.
	Square: The machine travels only during oscillation dwell time in left and right position. During oscillation, the machine stops. During oscillation dwell time in center position the machine fills the crater.

Standard shipping set:

- Gantry welding system
- 4 m long track (up to 20 m on request)
- Arc ignition cable
- Remote control pendant
- Set of 4 signal cables
- Vertical slide
- Tracking sensor
- Fork tracking tip
- Torch holder
- Rod
- Long oscillator holder
- Rod clamp (2 pcs)
- Clamping block (2 pcs)
- 2 mm hex wrench
- 1.5 mm hex wrench
- Operator's manual

