

RAIL RUNNER

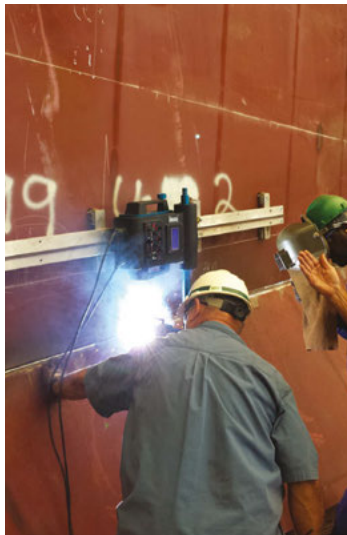
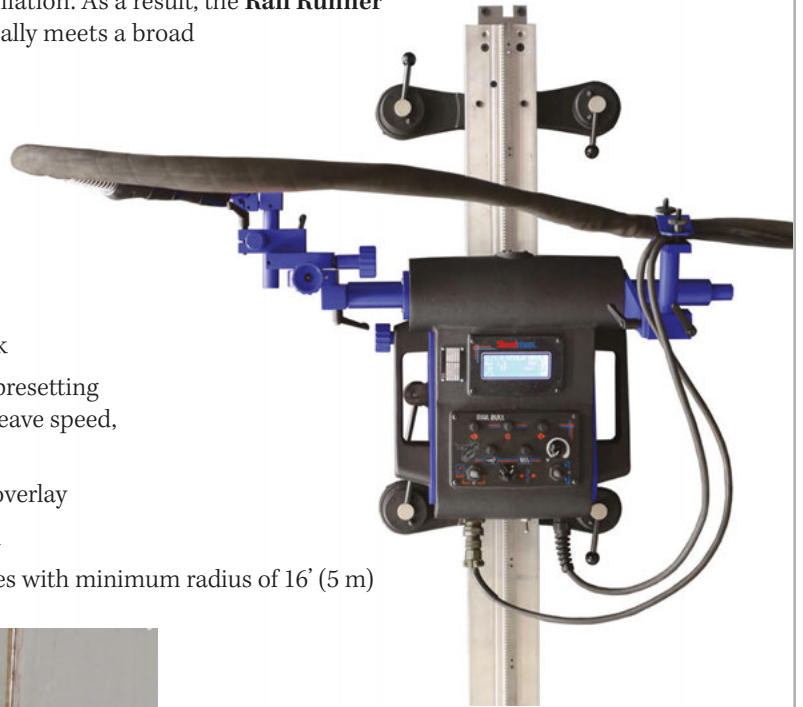
INCREASE PRODUCTION AND IMPROVE WELD QUALITY WITH MAGNETICALLY FIXED RAIL-GUIDED TRAVEL CARRIAGE

The **Steelmax® Rail Runner** is a digitally controlled travel carriage designed for the mechanization of welding and thermal cutting processes. Featuring a positive rack and pinion drive system with electronic speed control, the **Rail Runner** can produce consistent, high quality welds and cuts in the flat, vertical or horizontal position. A multi-function LED display permits precise setting of process parameters making set up and repetition of predefined weld procedures quick and simple.

The **Rail Runner** is available in two versions: (i) the standard version with the integrated linear oscillator; and (ii) a basic version without integrated linear oscillation. As a result, the **Rail Runner** family of track mounted welding carriages economically meets a broad array of welding and cutting applications.

FEATURES

- Durable aluminum cast housing
- Automatic arc ignition integrated with travel switch
- Precise cross slide torch adjustment
- Closed loop position control with encoder feedback
- LED display with numeric representation permits presetting of all motion parameters including weave width, weave speed, side wall dwells and tractor travel speed
- Integrated linear oscillator for weave welding and overlay
- Electronic torch steering during weaving operation
- Semi-Flexible Guide Rail will adhere curved surfaces with minimum radius of 16' (5 m)



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TRACK WELDING CARRIAGE FROM STEELMAX®

Rail Runner Technical Specifications		
Part Number	SM-WC-RR (with oscillation) SM-WC-RR-WO (without oscillation)	
Power Supply – Dual Voltage	115-230 V / 50-60 Hz	
Power	100 W .13 HP	
Welding Positions	Horizontal	PA (flat), PB (horizontal vertical), PC (horiz.)
	Vertical	PF (vertical up), PG (vertical down)
Minimum track way curvature radius	16 ft (5 m)	
Torch diameter	5/8" – 1" (16 - 25 mm)	
Minimum welding material thickness	3/16" (5 mm)	
Pulling Force	Horizontal work	77 lbs (350N)
	Vertical work	33 lbs (150N)
Torch adjustment range	1-3/8" up-down, left-right (35 mm)	
Horizontal speed	0 – 47-3/8"/min (0 - 120 cm/min)	
Vertical speed	0 – 43-5/16"/min (0-110 cm/min)	
Oscillation type	linear	
Oscillator arm stroke	0 – 4" (0 - 100 mm)	
Oscillation width	0 – 1.9" (0 - 50 mm)	
Oscillation speed	0 – 59"/min (0 - 1500 mm/min)	
Oscillation dwells	0-5 s	
Weight	44 lbs (20 kg)	



Suitable for work in both horizontal and vertical positions

User-friendly control panel



The included equipment consists of:

- Welding carriage
- Metal box
- Torch holder
- Cable holder
- Power cord
- Arc ignition cable of 6.5 m (21 ft)
- 3 mm hex wrench
- 4 mm hex wrench
- Operator's Manual

Additional accessories:

- SM-PRW-0482-15-02-00-0
Track segment of 6.5 ft (2 m)
- SM-ZSP-0475-56-00-00-0
Magnetic base unit
- SM-DYS-0482-15-01-01-0
Mounting Bracket for Magnet



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

877-833-5629

STEELMAX.COM

sales@Steelmax.com

Fax: 303-690-9172

