

Rail welding line expertise and technology



*Rail end contact surfaces automated brushing
Best cleaning quality for high rusted rails
Optimal integration in the rail welding line*

Your benefits

- Simultaneous of two rail ends or single brushing without any rail movement, by programming appropriate brushing cycles
- High cleaning contact surfaces (rail head top and rail bottom surfaces) before flash-butt welding process
- Touch screen and user-friendly control desk and synchronization with the welding machine rate



Options

- Installation of the brushing machine in a container adapted to the operation of the machine and its transport
- Mobile version mounted on a mobile carriage to brush a rail that is being welded
- Configuring a Siemens or Allen Bradley PLC



Consumables

- Crimped wire brushes
- Abrasive flap wheels (for highly rusted rail ends or mill scale)

Technological advantages

- Automatic cycle, managed and monitored by human-machine interface with touchpad, guaranteeing no intervention by an operator during the brushing cycle
- Efficient cleaning irrespective of the straightness of the rail ends by proportional and continuous hydraulic control of brushing units
- Variable brushing stroke for optimal working with any FBW machine
- Automatic centralized greasing system
- Use of specific abrasive flap brushes for highly rusted rail ends or mill scale
- Power rail clamping system without damage
- Automatic de-clogging device of the de-duster filters

Specifications

Type of rails

Type	Flat bottom
Mass	Up to 75 kg/m

Brushing performances

Maximum rotating speed	2,900 rpm
Upper brush power	15 hp (11 kW)
Lower brush power	29 hp (22 kW)
Average cycle time	< 2 min 30
Length of rail end cleaning	Up to 17 in. (420 mm)
Brushes diameter	7 to 10 in. (180 to 250 mm)
Upper brush thickness	5 in. (120 mm)
Lower brush thickness	7 in. (180 mm)

Electrical equipment

Total power	67 hp (50 kW)
PLC	Schneider

Dust suction

Air flow	4,000 m³/h
Fan power	10 hp (7.5 kW)

Dimensions (approx.)

L x W x H	157 x 55 x 79 in. (4,000 x 1,400 x 2,000 mm)
Mass	12,566 lbs (5,700 kg)



Crimped wire brushes



Abrasive flap wheels

