



MAS 150 E AUTOMATIC RAIL WELD GRINDING MACHINE

Rail welding line expertise and technology



Rail manufacturing automated grinding

Best grinding quality with patented setting reference

Optimal integration in the rail welding line



Your key benefits

- Grinding unit mounted on a platform mobile on a track for precise positioning of the machine without any motion of the welded rail
- Straightness measuring device is embedded onto the grinding beam
- Grind automatically the rail head in the welded zone over a length of one meter

specification

Type of rails

Type	Flat bottom (EN 13674-1)
Mass	From 46 to 69,88 kg/m

Grinding performances

Maximum rotating speed	5,400 rpm
Area length	± 500 mm
Grindstones diameter	150 mm
Automatic cycle	3 to 5 min
Power	7.5 kW

Electrical equipment

Total power	25 kW
PLC	Schneider

Dust suction

Air flow	3,000 m ³ /h
Fan power	4 kW

Dimensions

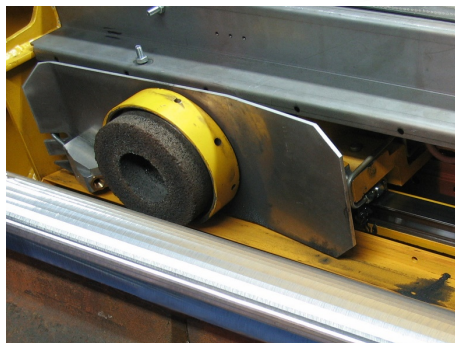
L x W x H	4,620 x 2,330 x 2,750 mm
Mass	7.500 kg

Straightness measuring device

Technology	Laser
Number of sensors	3
Control screen	15"

Compliance

EN 14587-1 standard or similar



Technological advantages

- Automatic cycle, managed and monitored by Human Machine Interface with touchpad, guaranteeing no intervention by an operator during the grinding cycle
- Grinding power of the grinding wheel allowing a short cycle time without deformation of the rail
- Integrated measuring system ensures a compact package and an all-in-one machine
- Patented reference system by the grinding wheel without mechanical copying systems
- Grinding up to 500 mm on both sides of the weld
- Powerful suction and dust filtration system

Options

- A remote control console with video control screen
- Installation of the grinder in a container adapted to the operation of the machine and its transport
- Configuring a Siemens or Allen Bradley PLC

Consumables

- Cup wheels



Example of MAS 150 E in a container