Edge Master

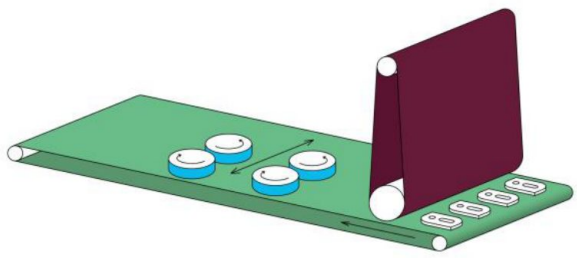
Entry-level automatic deburring machine, up to 1,060 mm

Deburring, edge rounding and laser oxide removal of cut sheet metal parts up to 1,060 mm wide, in a single pass. Available as Edge Master, MAG or VAC.



1,060 mm	0.8 – 100 mm	0.5 – 6 m/min	2 × 2
working width	workpiece thickness	feed speed	top brushes, Ø 250 mm

How it works



1 Infeed
The conveyor belt and spring-loaded pressure rollers hold the part. The grinding belt and brushes stay at a fixed height. The table lowers to the part thickness.

2 Grinding belt
Removes the vertical burr.

3 Top brushes
Two rows of oscillating brushes, counter-rotating in each row, round the edges.

General

Working width	1,060 mm
Workpiece thickness	0.8 – 100 mm, motorised, automatic, 0.1 mm accuracy
Feed speed	0.5 – 6 m/min, variable
Processing	Top side, dry
Dimensions (L × W × H)	2,640 × 1,905 × 2,040 mm
Weight	approx. 3,000 kg

Versions

	Edge Master	Edge Master MAG	Edge Master VAC
Table	Conveyor belt	Magnetic strip 175 mm	Vacuum zone 400 mm
Material	Steel, stainless steel, aluminium	Magnetic material	Steel, stainless steel, aluminium
Small parts from	–	30 × 30 mm	50 × 50 mm

Units

	Grinding belt	Top brushes
Tooling	Grinding belt 1,060 × 1,900 mm	Lamella or oxide brushes
Specification	Contact roller Ø 132 mm, 70° Shore	2 × 2, Ø 250 mm
Motor power	11 kW, variable	4 × 1.5 kW, variable
Movement	In the feed direction	Long or short stroke, or position for small parts
Adjustment	Depth and pressure, manual	Per brush row, with handwheel

Conveyor and controls

Conveyor belt	Abrasion-resistant
Conveyor table	On 4 spindles; working height 900 – 1,000 mm
Pressure rollers	Rubberised and spring-loaded, before and after each unit
Belt tension	Pneumatic, with pneumatic-electronic oscillation
Controls	Touchscreen: on/off, speed per function, programmes, alarm screen

Connections

Electrical	3 × 400 V
Total power	18 kW (36 A)
Compressed air	Required

Safety

Emergency stop	At the infeed and outfeed
Door	Lock released when all rotating parts are stationary
Infeed	Finger insertion protection, over-thickness protection
Monitoring	Belt tension, belt break and air pressure

Options

Quick lock system	For the 4 top brushes
Wet filter unit	Mistral Aqua Filter A200-4; 3,100 m³/h