B.O.S.S.

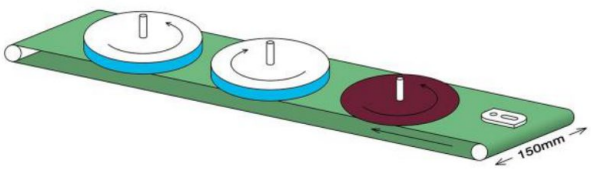
Deburring and edge rounding machine for small sheet metal parts

Deburring and edge rounding of small laser-cut sheet metal parts up to 150 mm wide, in a single pass. Available with a vacuum table or with a magnetic table.



150 mm	0.5 – 100 mm	0.8 – 6 m/min	870 mm
working width	workpiece thickness	feed speed	pass height

How it works



1 Infeed
A vacuum or magnetic table and pressure rollers hold the part on the belt.

2 Grinding disc
Removes the vertical burr.

3 Top brushes
Two counter-rotating brushes round the edges.

General

Working width	150 mm
Workpiece thickness	0.5 – 100 mm, motorised, digital readout
Feed speed	0.8 – 6 m/min, variable
Pass height	870 mm, fixed
Processing	Top side, dry
Dimensions (L × W × H)	1,560 × 937 × 1,920 mm
Weight	approx. 900 kg

Versions

	Vacuum table	Magnetic table
Material	Ferrous and non-ferrous metals	Magnetic material, such as steel
Minimum part size	40 × 40 mm	30 × 30 mm
Table	Vacuum motor 2.2 kW	Magnetic table 150 × 990 mm
Rated power	5.93 kW	3.73 kW
Rated current	11.86 A	7.46 A

Units

	Grinding disc	Top brushes
Tooling	Grinding pads	Lamella or oxide brushes
Diameter	Ø 250 mm	2 × Ø 250 mm
Motor power	1.1 kW	2 × 1.1 kW
Speed	Variable, max. 1,200 rpm	Variable, max. 1,200 rpm
On/off	Separate switch	Separate switch

Conveyor and controls

Height and pressure	Handwheel per unit, without opening the cover
Conveyor belt	Synthetic rubber, oil- and spark-resistant
Pressure rollers	4, rubber-coated and spring-loaded
Control panel	Start/stop and speed per unit and belt; digital thickness readout

Connections

Electrical	3L + N + PE
Required dust extraction	1,000 m³/h at 22 m/s

Safety

Emergency stop	On the control panel
Door	Lock released when all rotating parts are stationary
Infeed	Safety flap with switch

Options

Quick lock system	Grinding disc and top brushes
Wet filter unit	Mistral Aqua A200-2,2; 2,200 m³/h