

F600

ALL-ROUND FINISHING MACHINE

Q-FIN

Quality Finishing Machines



F600

Extremely fast deburring, edge rounding and/or finishing with the F600. Suitable for sheet metal parts up to 600 mm wide.

Say goodbye to sharp edges! This 600 mm wide deburring, edge rounding and finishing machine has 3 workstations: a grinding belt as the first station followed by two stations with 4 oscillating brushes in total. With this machine you can execute various finish applications including deburring, grinding, edge breaking, edge rounding, removing the oxide layer or heavy slag and finishing. The F600 is suitable for processing products up to 600 mm wide. In short, the perfect machine for finishing (non-)ferrous laser cut parts.





F600

- **Combination of applications in one pass**
- **Line grain finishing possible**
- **Easiest HMI control in the market**
- **5x faster than comparable machines**
- **Large edge rounding possible**

SUITABLE FOR PROCESSING

- ✓ Stainless steel
- ✓ Aluminium
- ✓ Steel

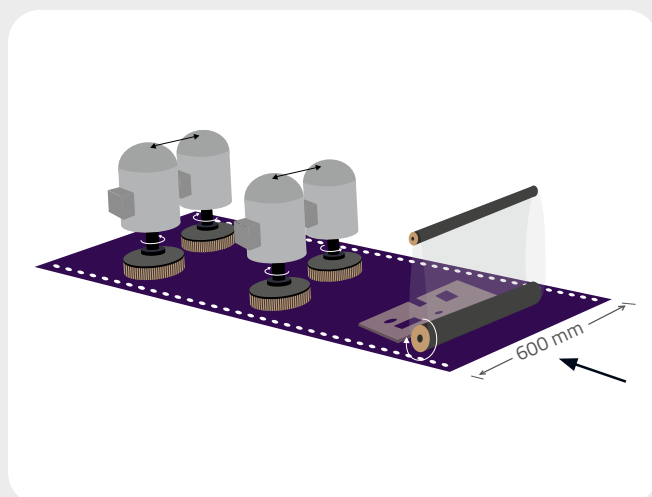
DESCRIPTION

The F600 is a deburring machine suitable for finishing sheet metal products e.g. laser cut parts with a width up to 600 mm. You determine the finish and degree of edge rounding. Depending on the materials to be finished you select a vacuum or magnet system. The conveyor belt is adjusted according to your choice of system. The first station of the F600 consists of an abrasive head. The abrasive belt removes the burrs and incinerations marks from the product surface. You can determine the grain size of the abrasive belt yourself, depending on the height and hardness of the burr. Standard we supply a grain K120 abrasive belt with the machine. If you do not have any burrs you can leave

the abrasive belt switched off. The second and third station is the so-called brush unit, equipped with 4 cross-rotating disc brushes. You can break the sharp edges of the product with this or provide them with a large radius.

You can also change the surface finish (e.g. more gloss / lower roughness value) by changing the type and grit of the brushes. By placing special brushes, you can remove oxide layer or do slag removal on steel products when using the F600 with magnet.

The F600 allows you to process your cut parts at high speed and do multiple finish operations in one pass.



TECHNICAL SPECIFICATIONS

Conveyor belt speed	0.3 - 5 m ³ /min
Vacuum or magnet support	✓
2,2 kW brush engines frequency controlled	4
Minimum workpiece size	50 x 50 mm (MAG) / 80 x 80 mm (VAC)
Maximum workpiece width	600 mm
Maximum workpiece height	170 mm
Connection value machine	400 V, 50 Hz, 32 A, 16 kW
Dimensions (L x W x H)	2030 x 1585 x 2085 mm
Weight	1,950 kg