

Expert Set

F600 + WES6000

Q-FIN

Quality Finishing Machines



Very fast deburring, edge rounding and / or finishing with the Q-Fin Expert Set. Suitable for sheet metal parts up to 600 mm wide, including a wet filter for safe dust extraction.

Expert Set

The Q-Fin Expert Set is a combination of the F600 deburring and grinding machine and the WES6000 wet operating extraction system. The perfect solution for finishing metal parts from 80 up to 600 mm wide. Available with vacuum or magnet support.



F600

The F600 is a deburring machine for finishing sheet metal 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 accordingly.

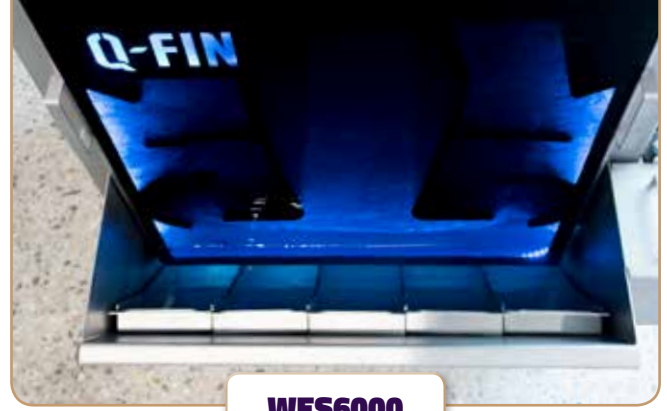
The first station of the F600 consists of an abrasive belt. The abrasive belt removes the burrs and incinerations marks from the product surface. You can determine the grain size of the abrasive belt yourself, depending on the height and hardness of the burr. Standard we supply a K120 abrasive belt with the machine. If you do not have any burrs you can leave the abrasive belt switched off. It is also possible to use a fine abrasive belt (e.g. K320) for line graining the surface of your product or to finish it with a scotch brite belt.

The second and third station is the so-called brush unit, equipped with 4 cross-rotating, oscillating brushes. You can break the sharp edges of the product with these brushes and 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 also remove oxide layers or do slag removal on steel product with the F600-MAG (with magnet system).

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

TECHNICAL SPECIFICATIONS F600

Conveyor belt frequency controlled 0,3 – 5 m1/min
With vacuum or magnet support
4 pcs. of 2.2 kW brush engines frequency controlled
Minimum workpiece size: 50x50 mm (MAG) / 80x80 mm (VAC)
Maximum workpiece width: 600 mm
Maximum workpiece height: 170 mm
Connection value machine: 400V, 50Hz, 32A, 16kW
Dimensions: 2030 x 1585 x 2085 mm (L x W x H)
Weight: 1.950 kg



WES6000

WES stands for 'Wet Extraction System' and is the easiest, safest and most sustainable way to extract grinding dust according to Q-Fin. With the wet-operating dust extractor, fire and explosion hazards are prevented. Your operators can work in a dust-free area.

The WES is available as WES3000 and WES6000. These wet extraction systems can be combined with all our deburring machines, in many cases multiple deburring machines can even be connected to 1 WES extraction system. We can arrange the installation including tubing if required and train your operators on location.

The WES6000 has a suction capacity of 6000 m³/h which is more than sufficient for extracting the dust of the F600.

Easy-care wet filter system

Constant capacity and no loss of extraction

Wet filter excludes fire hazard

Wear-resistant stainless construction

No explosion danger with aluminium dust

TECHNICAL SPECIFICATIONS WES6000

Ventilator 7.5 kW
Capacity 6000 m³/h
Fully manufactured in stainless steel
Automatic filling and levelling
Comes with 5 dust collectors
Control by power switch or external machine
Connection value machine: 400 V, 50 Hz, 25 A, 12 kW
Dimensions: 2070 x 1090 x 2560 mm (L x W x H)
Weight: 495 kg