

# Advanced Set

F1200 - WES6000

# Q-FIN

Quality Finishing Machines



Simple and fast finishing of sheet metal parts up to 1200 mm wide with this wide belt grinding and deburring machine. Available with magnet or vacuum support, including a wet operating dust extractor.

## Advanced Set

This set contains the F1200 deburring and grinding machine with vacuum or magnet support in combination with the WES6000 wet operating extraction system. The fastest solution for deburring, grinding and edge rounding sheet metal parts up to 1200 mm wide.



**F1200**

The F1200 is a deburring and grinding machine for sheet metal parts with a width up to 1200 mm. With this machine you determine the finish and degree of edge rounding. Depending on the materials to be processed, you can choose between a vacuum and a magnet system. The conveyor belt will be adapted accordingly.

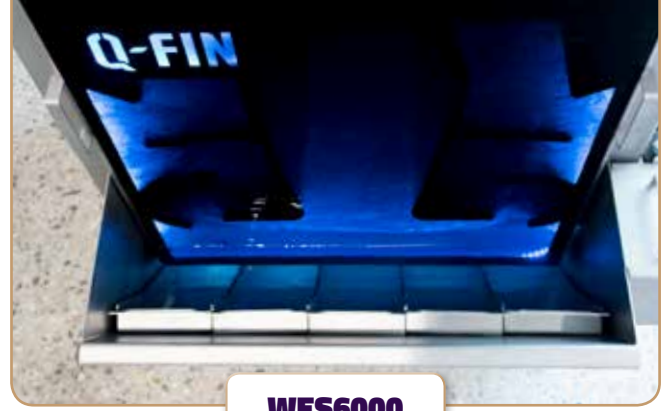
The first station of the F1200 exists of a grinding head. The abrasive belt removes the burrs and/or incineration points from the product surface. You can decide yourself on the grain size of the abrasive belt, depending on the height and hardness of the burr. Standard there will be a grinding belt grit K120 on the deburring machine. If there are no burrs, you can leave the grinding belt switched off. It is also possible to use a fine grinding belt (e.g. K320) for line graining your product or to finish it with a scotch brite belt.

The second and third station is our so-called brush unit, fitted with 4 counter-rotating, oscillating brushes. This can break the sharp edges of the product 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 on the F1200-MAG (with magnet support system) you can also remove the oxide layer or do slag removal on steel products.

The F1200 allows you to do multiple finishing operations in one pass and at high speed.

### TECHNICAL SPECIFICATIONS F1200

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: 1200 mm
Maximum workpiece height: 170 mm
Connection value machine: 400V, 50Hz, 32A, 16kW
Dimensions: 2040 x 2180 x 2090 mm (L x W x H)
Weight: 2.650 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 this wet-operating dust extractor, fire and explosion hazards are prevented. Your operators can work in a dust-free area. The WES6000 wet extraction system can be combined with virtually 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 and do the training of your operators on location.

The WES6000 has a suction capacity of 6000 m<sup>3</sup>/h which is more than sufficient for extracting the dust of the F1200.

**Easy-care wet filter system**

**Constant capacity and no loss of extraction**

**Wet filter excludes fire and explosion hazard**

**Wear-resistant stainless construction**

**No grinding dust in the air or work area**

### TECHNICAL SPECIFICATIONS WES6000

Ventilator 7.5 kW
Capacity 6000 m <sup>3</sup> /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