

# Flatgrinding, polishing and deburring



## Materials

Stainless steel, carbon steel, special alloys, copper, brass, chrome plated surfaces, aluminium, plastic material, cast parts, sintered parts and many other materials and coatings are finished.

## Applications

Grinding of stainless steel squared tubes and profiles for surface improvement, required to meet the stringent hygienic specifications of the food industry. Special optical appearance of the surface for the ornamental tubing used in the architecture and for household applications. Improved surface characteristics on bar stock. Pregrinding for plating purpose, for example for chrome plating in the furniture industry or for subsequent coating of window profiles. Deburring of automotive components like sintered parts and pumps. Flat and fine grinding of contact surfaces on cast parts. Polishing of guiding surfaces at linear guidings.

## Special features and benefits

- Pressure controlled grinding
- Easy operation with computer controlled features
- High surface qualities can be easily achieved
- Fast finishing with multi head grinding sequence
- Constant finishing results for quality and consistency
- Grinding w/o chatter marks and tearing from bonded wheel
- Low maintenance with high productivity
- Quick belt change feature for reduced down time
- No dust emission with wet grinding
- Covered stations for low noise emission
- Boost productivity and profit



Centerless system KS 100



Flat grinding system FS 384

## Models

Machine versions specified for different diameters:

- FS 384 up to 150 mm
- FS 388 up to 250 mm
- PB 388 up to 300 mm
- FS 377 double-sided grinding



## Configuration and Options

The machines are alternatively equipped with:

- Belt grinding stations
- Polishing stations
- Deburring stations
- Planetary brushing stations
- Turning devices
- Packaging machines



## Automation

for material handling:

- Vibratory conveyor for small parts
- Roller conveyor
- Belt transport systems
- Transfer tables
- Magnetic tables
- Bundle loaders
- Magazines



## Service & Support

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## Grinding, polishing and deburring machines

### 8 stations grinding and polishing machine type FS 388



Finishing of steel and stainless steel, squared tubes, flat steel and stamped parts. Belt grinding for decorative surface improvement, grinding of fault spots, optimal pre-finishing for later surface coating like chroming, removal of strong burrs after laser cutting or stamping.

### 2 stations polishing machine for car styling strips



Polishing at the example of Mercedes interior wood panelling. PLC controlled polishing stations with roller dimensions 800 mm.

### 8 Stations belt grinding machine type FS 377



Double side heavy duty grinding of stainless steel tubes and flat material with automatic return transport and edge grinding stations.

### 3 stations planetary brushing machine type PB 388



Planetary brushing machine for deburring and surface polishing of sinter parts, piston rings, automotive parts, stamped parts, synchronous rings. Operation of both sides by integrated turning device. Fully automatic operation for interlinking with production lines in the automotive industry.

### 2 stations grinding and polishing machine type FS 384



Pre-grinding with one contact wheel grinding station and subsequent fine polishing with one grinding shoe polishing station.

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