

The affordable throughfeed abrasive belt grinding machine for metal



### Highly versatile:

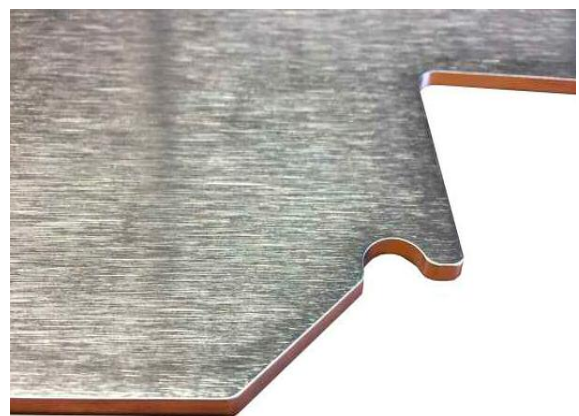
Grinding, bur removing or finishing of flat bar, sheet metal or hollow sections. The wet grinding facility makes it ideal for a mixed production of steel, stainless steel or aluminium.

**First class surface results** are achieved by using the wet grinding facility with constant through-feed speed and constant grinding pressure. The SmartGrinder can be used with abrasive belts in grit sizes of 40-400, super finish belts, abrasive nylon belts or different kinds of brushes/wheels.

**Great value for money** made possible by manufacturing a large number of machines with standard features.

### Smartgrinder Highlights

- Highly versatile due to wet system and use of belts or wheels
- Separate height adjustment of each unit
- Quick change of feed belt, special feed belts available for processing short pieces
- Perfect grinding of hollow sections using the optional extra "floating head" (no bending, no blue surface)
- 3000mm long abrasive belts for a safe tracking without oscillation, therefore straight finish without waves



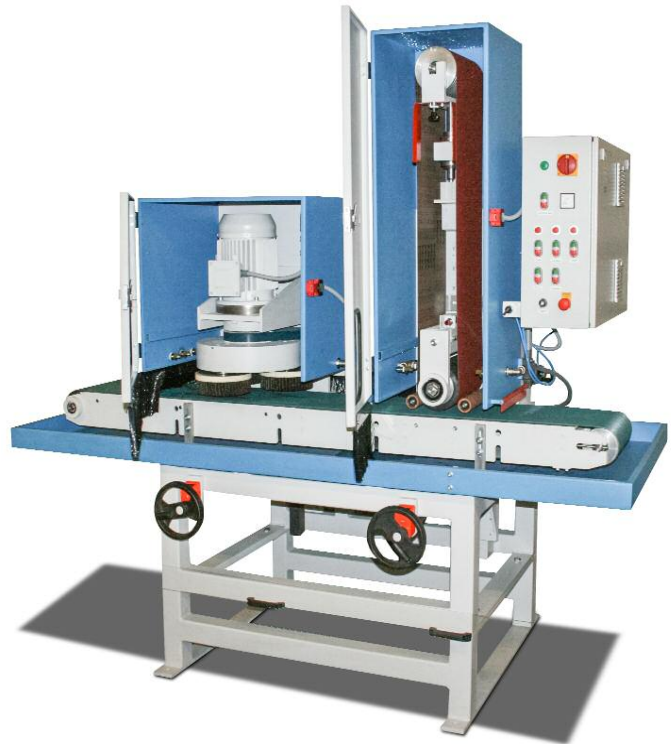
### How the machine works:

Both SmartGrinder models use the same machine frame.

This way the second unit can be fitted to a single-unit machine even at a later date.

Each station has its own height adjustment for easy and quick setting of the machine.

**The SG 300 KK is the ideal machine for grinding stainless steel hollow sections for building fronts.**



### Technical features:

- pneumatic abrasive belt tensioning
- long abrasive belt 300 x 3000mm
- rubber covered and grooved contact wheel
- rubber covered and spring-loaded hold-down rollers, easy to pre-adjust
- variable speed of feed belt 2-9m/min
- upper collecting basin
- lower basin including electrical pump
- front hand wheel for height adjustment, including digital read-out
- large idler wheels with big bearings
- fine tuning of run of abrasive belt
- drive motor 7,5kW, spindle 40mm with additional front support
- Amperemeter
- six jet water outlets for each belt
- emergency-off at infeed bar and emergency-off by opening doors
- 150mm max. workpiece thickness
- feed belt with fixed height
- open table for quick changing of feed belt

### SmartGrinder 300

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|-------------|--|
| SG 300K     | one belt unit, wet grinding, including water basin and pump    |
| SG 300 KK   | two belt units, wet grinding, including water basin and pump   |
| SG 300 KKK  | three belt units, wet grinding, including water basin and pump |
| SG 300 KKB  | two belt units, one brush unit, including water basin and pump |
| SG 300 KKKK | four belt units, wet grinding, including water basin and pump  |

**The SG 300 K+KK is also available as dry grinding machine. Suitable dust extractor on request. The SmartGrinder is also available in 150mm working width.**

### Extras:

- additional feed belt with 90° stoppers, for processing short workpieces
- digital read out with zero reset for quicker setting of height
- pneumatically controlled floating heads (ideal for grinding hollow sections)
- bigger opening for max. workpiece thickness 290mm
- motorized oscillation of abrasive belt
- additional rubber hold down rollers mounted to table
- flange for adapting abrasive nylon wheels or brushes
- abrasive belts, abrasive nylon belts, abrasive nylon wheels

