

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.

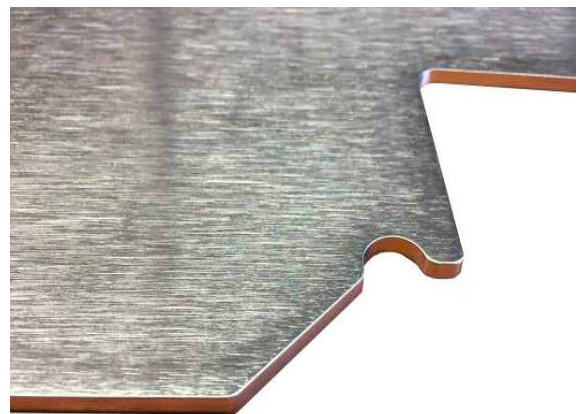
First class surface results are achieved by using the wet grinding facility with constant through-feed speed and constant grinding pressure.

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. A lot of machine parts have been used from our top of the range model FST.

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 belt available for processing short pieces
- Perfect grinding of hollow sections using the optional extra "floating head" (no bending, no blue surface)



How the machine works:

SmartGrinder models with one or two stations 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 hold-down rollers can be easily adjusted in height and distance to compensate for different diameters of contact wheels and abrasive wheels.



Technical features:

- spring loaded abrasive belt tensioning
- abrasive belt 150 x 2000mm
- rubber covered and grooved contact wheel D=150mm
- 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
- large idler wheels with big bearings
- fine tuning of run of abrasive belt
- Amperemeter
- abrasive belt motor 4kW
- two jet water outlets for each belt
- emergency-off at infeed bar and emergency-off by opening doors
- feed belt with fixed height
- open table for quick changing of feed belt
- front hand wheel for height adjustment, including digital read-out



SmartGrinder in 150mm working width

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|-------------|--|
| SG 150 K | one belt unit, wet grinding, including water basin and pump |
| SG 150 KK | two belt units, wet grinding, including water basin and pump |
| SG 150 KKK | three belt units, wet grinding, including water basin and pump |
| SG 150 KKB | two belt units, one brush unit, including water basin and pump |
| SG 150 KKKK | four belt units, wet grinding, including water basin and pump |

The SG 150 K+KK is also available as dry grinding machine. Suitable dust extractor on request. The SmartGrinder is also available in 300mm 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)
- additional rubber hold down rollers mounted to table
- motorized oscillation of abrasive belt
- flange for adapting abrasive nylon wheels or brushes
- abrasive belts, abrasive nylon belts, abrasive nylon wheels

