

# SmartGrinder 150

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)



# LOEWER

# SmartGrinder SG 150

## 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



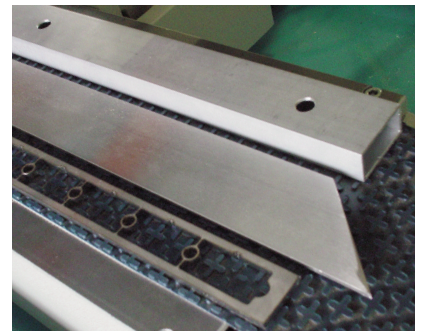
## SmartGrinder in 150mm working width

- |             |  |
|-------------|--|
| 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 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



## Jakob LÖWER

Inh. von Schumann GmbH & Co. KG  
Am Wasser 4  
D-34576 Homberg (Germany)

**LOEWER**  
Innovative Schleiftechnik

Tel. +49 (0) 56 81 99 04 0  
Fax. +49 (0) 56 81 99 04 99  
e-mail: [info@loewer-maschinen.de](mailto:info@loewer-maschinen.de)  
[www.loewer-maschinen.de](http://www.loewer-maschinen.de)