

# The SwingGrinder

Deburring and Edge Rounding Machine  
for sheet metal parts



- for laser-cut, plasma-cut and punched sheet metal
- for foiled, zinc-plated and 3D-parts
- for steel, stainless steel, aluminium etc...



LOEWER

# The Original Loewer SwingGrinder

## Straightforward, Fast and Great Value for Money

Up to now there were really only two methods for deburring CNC cut sheet metal - either manually with power tools or using expensive through-feed machines. The Loewer SwingGrinder offers a third approach. The grinding head consists of two rotating disc tools mounted to a swinging arm which in turn is equipped with a weight compensation device. This grinding unit is guided easily over the workpiece by hand and grinding pressure is applied manually from above. The inside and outside edges of the workpiece are processed efficiently from all angles and directions. The grinding head can be tilted 180° - allowing for a speedy switch from a deburring disc to a rounding disc and back. The table comes with a high-grip cover to prevent workpieces moving. When deburring from the top, the workpieces are pushed against the grip cover, thus allowing even small parts to be processed easily.

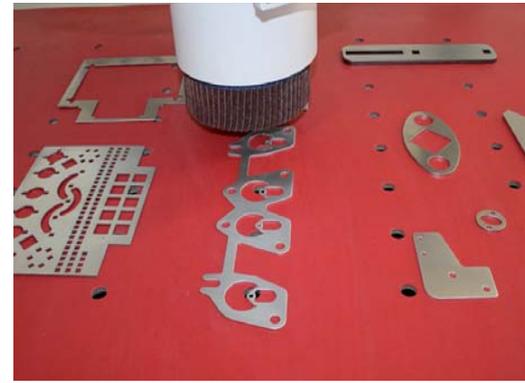
### Well-engineered details for easy use



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## Our Advantages

- **Quick processing:** The unit is guided easily over the workpieces whilst applying light pressure from above. The 150mm diameter discs cover a large area at one time.
- **Deburring/Edge Rounding:** The tilting head is equipped with a deburring and an edge rounding disc making both tools available in seconds.
- **Ergonomical design:** The SwingGrinder is easy to use with swinging arm and weight compensation.
- **Processes small parts:** The discs are always parallel to the table and the table is covered with a special high-grip cover thus allowing small parts to be processed easily.
- **Processes large parts:** The table size is 1400 x 800mm. Larger parts can be processed efficiently by lowering the protective sheets.
- **Processes steel/stainless-steel:** By changing only two tools the machine can be used for different materials.
- **Quick Return on Investment:** Working with the SwingGrinder is up to 3-4 times quicker than manual deburring. The small initial investment and low tool costs lead to a quick return on investment.



High-grip table cover for holding even very small parts

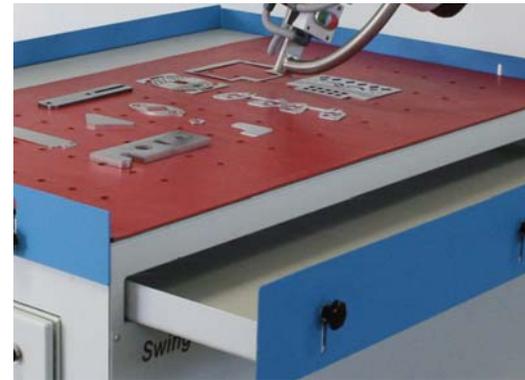


180° tiltable head for quick access to deburring and edge rounding tools

## Our Safety Features:

The SwingGrinder is equipped with the following safety features:

- Spindle covers on both sides
- Automatic motor shutdown when head is tilted
- Pneumatic brakes for blocking the swinging arm at any position when motor is switched off
- Easily-accessible emergency-off push button
- Large acrylic glass safety cover over the top disc



Pull-out dust collection container

## Our Range of Tools:



The **Soft-Disc** is used for deburring using a standard abrasive disc with velcro backing. The soft backing ensures an aggressive grinding at the edges of the workpiece without applying too much pressure on the surface. The Soft-Disc will remove stronger burrs on the inside and outside edges.



For rounding the edges the **Medium-Disc** with abrasive cloth and nylon abrasive backing is used. This disc will give a nice rounding of all inside and outside edges.

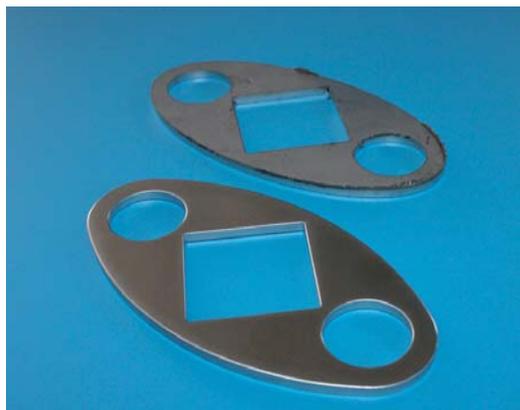


The very flexible **Smart-Flex Disc** is used for edge rounding of foiled or zinc-plated parts and for 3D-parts with stamped or drawn forms.

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aluminium



stainless steel



steel



small parts

## Technical Data

### Standard features:

- Disc unit 0,75kW with variable rpm using frequency inverter
- Tilting head with locking pin and additional spring-supported clamping pins
- Automatic motor shutdown when head is tilted
- Strong swinging arm with weight compensation and pneumatic brakes
- Table 1400 x 800mm with special high grip cover for processing small parts (from 20mm diameter)
- Holes in table and pull-out dust collection container underneath table
- Outlet D=120mm for connection to dust extraction unit.  
An extraction unit may not always be required - this depends on the individual grinding application.
- 400V, 50Hz, 3P, compressed air connection, CE

### Optional extras:

- Selection of disc tools for deburring, edge rounding and finishing
- Suitable dust extraction units for processing steel, stainless steel or aluminium.

CAUTION: dust extraction units must be selected to suit the material being processed (danger of explosive dust).

As the SwingGrinder is equipped with a high friction table cover it is not necessary to create a vacuum effect.

### Test the SwingGrinder for yourself!

Discover the easy-handling and the exceptional deburring and edge rounding results at our showrooms in Homberg/Efze. Demo machines are also on show in our dealer showrooms in many countries. Please enquire for further details.