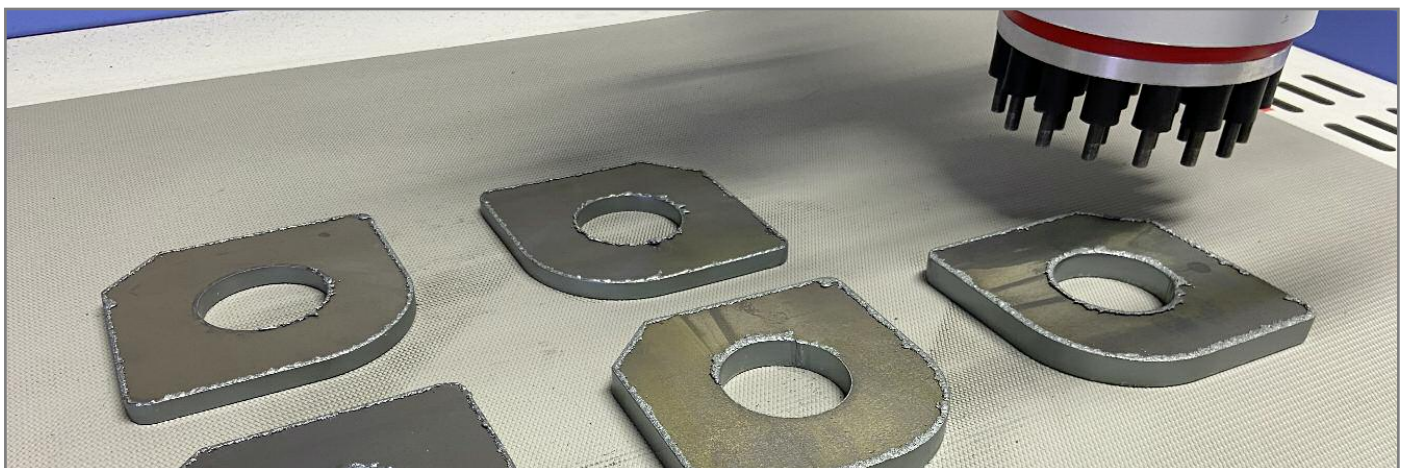


Deburring machine with two magnets to hold steel work pieces.

Die ideal solution for plasma or flame cut parts.



- Deslagging
- Deburring
- Edge rounding
- Oxid removal



Deburring



Edge rounding



Oxid removal



Deslagging

LOEWER

SwingGrinder M

The SwingGrinder „M“ provides a lot of advantages for processing mild steel. With the two permanent magnets it is possible to hold small workpieces for deslagging and oxid removal. The slag removal disc or the oxide removal discs will create a strong force to the edge of the workpiece and without magnet small parts will start to move very easily. In combination with the magnet it is possible to use these tools on the SwingGrinder M now. The magnets are hold in linear guides and can move up and down by a pneumatic cylinder. In the upper position the magnets are active in the lower position the magnets are not active.

The SwingGrinder der M can be used for:

Plasma or flame cut parts: Deslagging + edge rounding without tool change

Laser cut parts: Deburring and edge rounding without tool change

With the Quick Fix connector the edge rounding disc can be changed against a deburring disc within seconds (Option).



Magnets be activated upper position and deactivated lower position



Dust draw right and left

Technical details

- grinding motor 0,75kW with variable spindle speed by frequency converter 600-2000 rpm
- swinging arm with counter weight
- limit switch with automatic motor stop when head is tilted
- tilting head for quick change between discs
- pneumatic brakes for locking swinging arm at any position
- table 1400 x 800mm, table mat 1100 x 800mm
- table with perforations left and right of table mat and dust collection containers under the table for collection of slag and dust
- **two magnets 50mm x 800mm under the table mat** for holding magnetic steel work pieces, with pneumatical lifting in strong linear guides
- selection switch with three positions: magnets down, magnets up or magnet movement automatically together with main grinding motor
- 400 Volt, 50 Hz 3P, 6-8 bar CE

Equipt with one Softdisc (deburring) and one Mediumdisc (edge-rounding)

When using the slag removal discs the operator must wear safety glasses, gloves and welding apron.

Options

- deslagging discs for removing the slag
 - oxid disc for removing the oxide layer
 - Quick-Fix tool adapter for speedy change from deburring disc to edge rounding disc
 - vacuum hold down plate for holding small non magnetic work pieces
- Note: The SwingGrinder does not necessarily need a vacuum device for processing small work pieces. The vacuum device can be ordered at any time at a later stage if needed.
- Pneumatic weight compensation of the swinging arm
 - Several disc tools for deburring, edge rounding, polishing in many different variations