FOR DURABLE PARTS AND ENDURING SAFETY

Much time and energy go into the design of automotive parts. Developed to perfection, manufactured to perfection. Just one slight impurity is enough to turn high quality parts into waste. The proverbial spanner in the works. Preventing this was the objective behind the development of the NLCA.

WEBER wet grinding: for pristine, flawless parts.
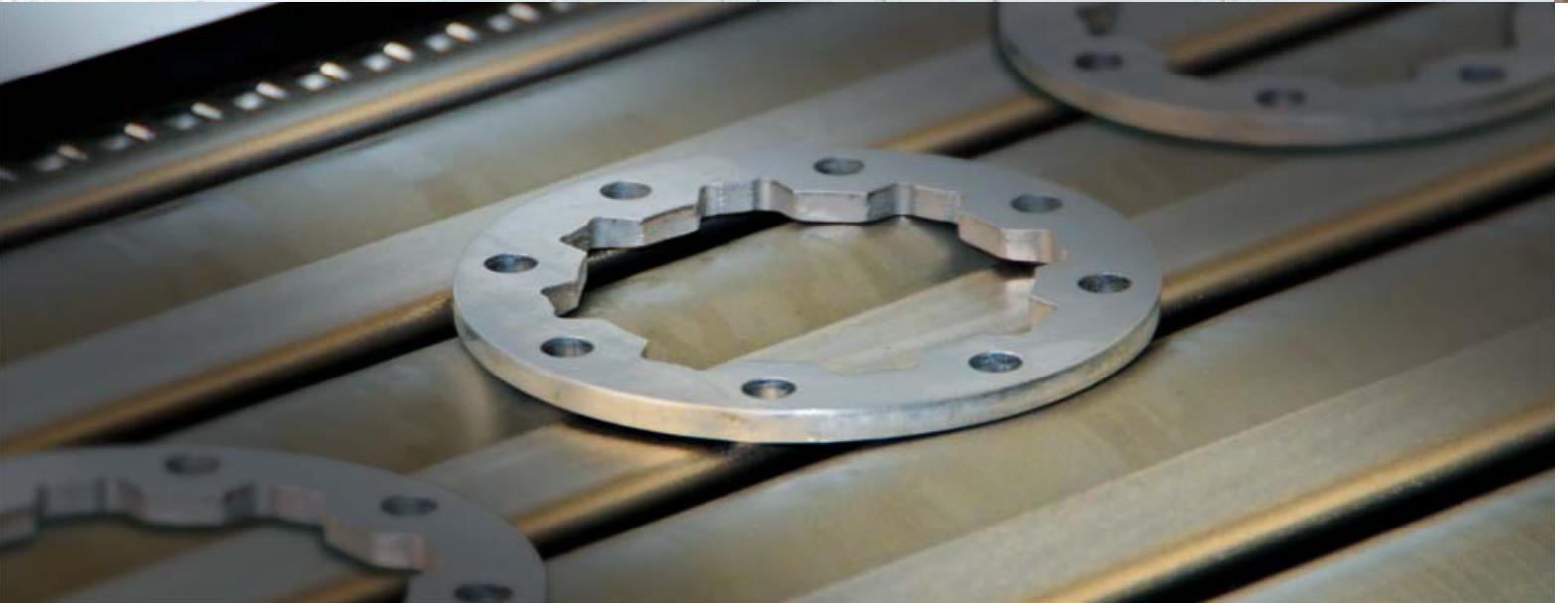
Quality "Made in Germany"

The company, rich in tradition, can look back on over 100 years of grinding machine manufacture. The name WEBER is synonymous with innovation and high quality machine construction.

AUTOMOTIVE

WEBER NLCA
Wet deburring machine for the automotive industry

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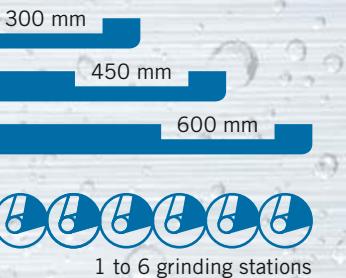
WEBER

WEBER

WEBER NLCA
Wet deburring machine for fine-blanking parts

The WEBER NLCA is a deburring machine especially for fine-blanking parts, which require strong edge rounding at higher throughput speeds. The combination with the WEBER cleaning machines in compact design enables the highest degree of production efficiency in the smallest space.

300 mm
450 mm
600 mm

1 to 6 grinding stations

- ■ Working widths 300, 450 and 600 mm
- ■ Working height 900 mm (constant)
- ■ Version with 1 to 6 machining stations per frame unit
- ■ Mode of operation: top grinding
- ■ Workpiece thickness 0.3-120 mm
- ■ Infinitely variable feed speed (1-10 m/min)
- ■ Grinding belt length 2620 mm
- ■ Grinding belt drive up to 30 kW
- ■ Multi Panel MP 377
- ■ "i-Touch" controller
- ■ Freely selectable arrangement of grinding stations
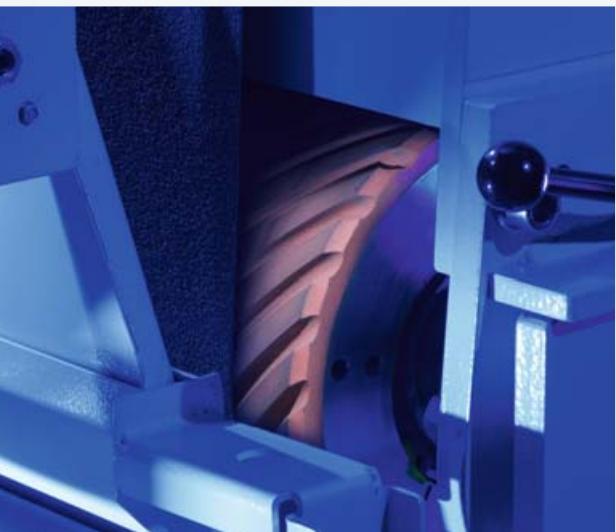
Convincing results
### Innovative machining of edges and surfaces

The machining quality of the WEBER NLCA is of the same high standard, which one expects from WEBER. Innovative technologies and more than 100 years of experience contribute to perfect results. With wet grinding of heavily oiled parts, WEBER grinding technologies ensure perfect deburring, rounding and surface grinding.

The distinctive feature of the NLCA: a special cleaning unit is connected to the grinding stations for reliable removal of all grinding residues. This guarantees that delivered parts are always flawless – and customers always satisfied.

WEBER wet grinding technology
Perfect deburring and grinding – with consistent quality

WEBER wet grinding technology impresses when grinding special materials, when there is danger of excessive material heating as well as with heavily oiled metal sheets. The well-known grinding techniques from the dry sector can also be used with WEBER wet grinding. In this way, well-known WEBER technologies, such as the planetary head system, ensure flawless results when wet grinding.

WEBER GD grinding rollers
For uniform deburring and surface grinding

The WEBER GD grinding roller is primarily used to remove burrs formed during punching as well as to equalise the surface. The extremely wear-resistant coating on the roller, which was specially developed for this purpose, ensures a high tolerance compensation.

WEBER DR planetary head
All-round edge machining across the entire width

The proven WEBER DR planetary head is used in almost all WEBER automatic grinding machines. The system provides all-round edge machining across all contours of the workpiece. This is especially important for fine-blanking parts. With its rotating brushes, which are arranged in groups, the Planetary head ensures remarkably uniform deburring and rounding.

WEBER "i-Touch" control
Intuitive single-button control and clearly arranged touch screen monitor

WEBER deburring machines are standard equipped with a high quality touch operating terminal with colour mode. This is based on the Siemens S control system. Thanks to the graphical user interface, operation is simple and efficient. All adjustments can be made and saved on the operating terminal. Integration in higher ranking control systems or interlinking with other machines is no problem.