

BD 300-L



HIGH-PRECISION ECONOMICAL DEBURRING OF FLAT WORK PIECES



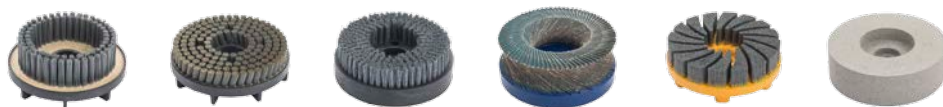
LATEST TECHNOLOGY AS STANDARD FOR OUTSTANDING PERFORMANCE AND VERSATILITY

PETER WOLTERS linear finishing systems offer an extremely wide range of solutions in the area of deburring technology and defined edge rounding. The emphasis in many processes is placed on a significant improvement in surface quality.

Machine concept of the BD series is extremely flexible and is used in a wide range of applications such as machining precision components, precision-cut and laser-cut parts, turned and milled parts as well as work pieces with large amounts of stamping burrs.

Five tools for each station are specified according to the customer's required finished part quality. Possibilities range from simple stamped or cast brushes to special arrangements of individual bristles. Specific parameters such as thickness, shape and material of the bristle can be precisely adapted. The most diverse grain sizes and materials such as silicon carbide, aluminium oxide, ceramics as well as CBN and diamond can be used.

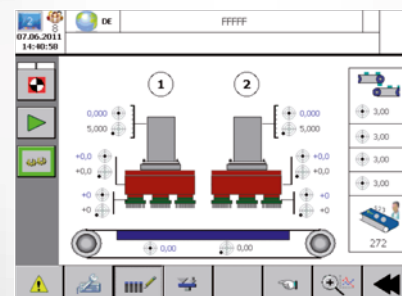
PETER WOLTERS linear finishing systems are available as stand-alone machines or semi and fully automatic solutions. Thanks to the modular structure of these systems, it is possible to create individual versions for specific customers.



A selection of brush tools used

MACHINE FEATURES BD 300-L

- 1–4 working units
- Simple integration in production lines
- Can either be supplied as stand-alone solution, or for further increase of productivity as semi and fully automated setups combined with any other PETER WOLTERS machine (e.g. a double-disk surface grinding machine from the DDG range)
- Good accessibility, easy to service and maintain, safe and simple operation
- Individual process development ensures highest productivity
- Very quick tool change
- Siemens 10" Touch Panel
- Two turning concepts for double-sided machining
- Automatic tool wear compensation
- Automatic tool measurement
- **RangeCare**® remote maintenance solution
- **DataCare**® complete package
- Possibilities for connecting to companies' own networks
- Integrated degaussing unit
- Return belts to machine infeed
- Extraction system for oil and water emulsions
- Modern, sturdy welded structure of the basic machine ensuring high stiffness and process precision
- High up-time, low operating costs
- Efficient, ergonomic machine design
- User-friendly self-explaining icons



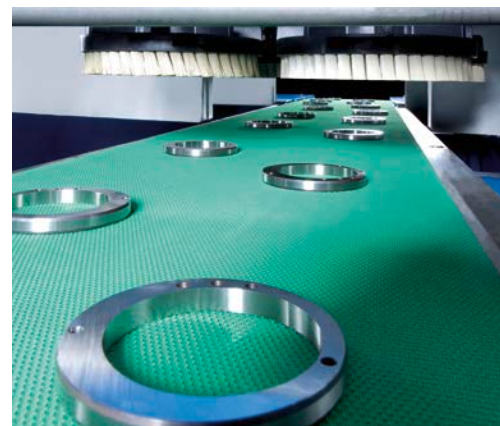
User-friendly due to extensive, intuitive operating pictures

TECHNICAL DATA

BD 300-L

Max. work piece width (mm)	270
(with turning station)	125
Max. work piece height (mm)	50
Burr-Ex® brush units	
Short basic machine version	1–2 brush units
Long basic machine version	3–4 brush units
• Brush drive power (kW)	5.5
• Brush rotation speed (rpm)	300–3000
• Brush head drive power (kW)	1.5
• Head rotation speed (rpm)	30–300
• Brush deburring tools per station (qty)	5
• Brush deburring tool Ø (mm)	150
Transport belt speed [m / min]	0.5–10
Control	Siemens touch panel

Subject to modifications for technical reasons



View into the machining space



Burr-Ex® working unit

SUCCESSFUL HIGH-SPEED DEBURRING FOR MAXIMUM PRODUCTIVITY AND PROCESS OPTIMIZATION



Do you have special requirements and conditions in production? Together we will find the optimum solution for maximum productivity. For example, it is possible to increase the productivity rate by up to 100% by connecting two BD 300-L deburring systems together with a turning system in between.

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