

High-performance profile machining for demanding applications with highest chip removal rates

The PBZ HD profile machining center offers high material removal rates up to 6.5 l/min for cutting aluminum profiles and solid material as well as stable and precise machining. The basis for this is provided by the solid machine design with fixed portal as well as a head and spindle combination designed for powerful and dynamic 5-axis simultaneous machining that guarantees optimum performance.



Your Advantages:

- » Precise HPC/HSC profile machining with highest chip removal rates
- » Highly dynamic 5-axis machining of aluminum and steel
- » 5-side complete machining of profiles and solid material
- » Interference-free machining over the entire workpiece length up to max. 30,000 mm
- » 5-axis simultaneous machining
- » Optional solutions for automation
- » Best ergonomics
- » Integrated chip management over the entire machine length

Specifications:

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| Material Removal Rate In Aluminium | 6 l/min |
| Blade Diameter | 400 mm |
| Workpiece length | up to 30,000 mm |
| Profile cross section | up to 600 x 300 mm (clamping vice version) up to 800 x 575 mm (table version) |
| Axis travel X/Y/Z | variable, 1,500/1,000 mm |
| Travel speed X/Y/Z | up to 70/40/40 m/min |
| Spindle data | Power: up to 63 kW (S1) Speed: up to 30,000 rpm Torque: up to 31 Nm (S1) |
| Standard machine sizes | PBZ HD 400, PBZ HD 600 (other machine sizes on request) |