

Maximum material removal rates in large aluminium structural parts

Production of large aluminum structural parts demands one thing above all: high-performance machining with high material removal rates. With the horizontal machining center HBZ AeroCell, you will achieve optimum performance in every area. High material removal rates up to 15 l/min are the result of a machine concept designed for high speed cutting: a combination of high travel speeds and acceleration with high spindle power.



Your Advantages:

- » 5-axis HSC horizontal machining
- » Highly dynamic machining of aluminum
- » High material removal rate and productivity
- » Integrated pallet changing system as standard
- » Significant reduction in machining times and costs per piece
- » High path velocities
- » Compact machine design with low space requirement
- » Fully enclosed workzone
- » Numerous options for automation available

Specifications:

Material Removal Rate In Aluminium	12 l/min
Pallet size	Pallet length: 4,000 / 5,000 / 6,000 / 7,000 mm Pallet width: 2,000 mm / 2,500 mm
Axis travel X/Y/Z	up to 7,800/2,500/700 mm
Travel speed X/Y/Z	up to 80/80/80 m/min
Spindle data	Power: up to 125 kW (S1) Speed: max. 30,000 rpm Torque: up to 85 Nm (S1)
Acceleration	up to 7 m/s ²
Standard machine sizes	HBZ AC 400/200, HBZ AC 500/200, HBZ AC 700/200, HBZ AC 500/250 (other machine sizes on request)