

## HORIZONTAL MACHINING CENTER HBZ<sup>®</sup> AEROCELL<sup>®</sup>

MAXIMUM MATERIAL REMOVAL RATES FOR LARGE  
ALUMINUM STRUCTURAL PARTS

## **HIGH PERFORMANCE CUTTING HIGH SPEED CUTTING**

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.

## **OPTIMUM ERGONOMICS**

Ergonomic design is an outstanding feature of the horizontal machining center HBZ AeroCell: the horizontally positioned pallets for loading and unloading and the large viewing window guarantee optimum ergonomic characteristics both during set-up and the actual machining process.

## **INTEGRATED PALLET CHANGE AS STANDARD**

The integrated and thus space-saving pallet changing system which is a standard feature of the HBZ AeroCell is equipped with a swivel unit for two pallets and permits loading and parallel to production.

## **DATI TECNICI PRINCIPALI**

**LUNGHEZZE PALLET : 4,000 / 5,000 / 6,000 / 7,000  
MM**

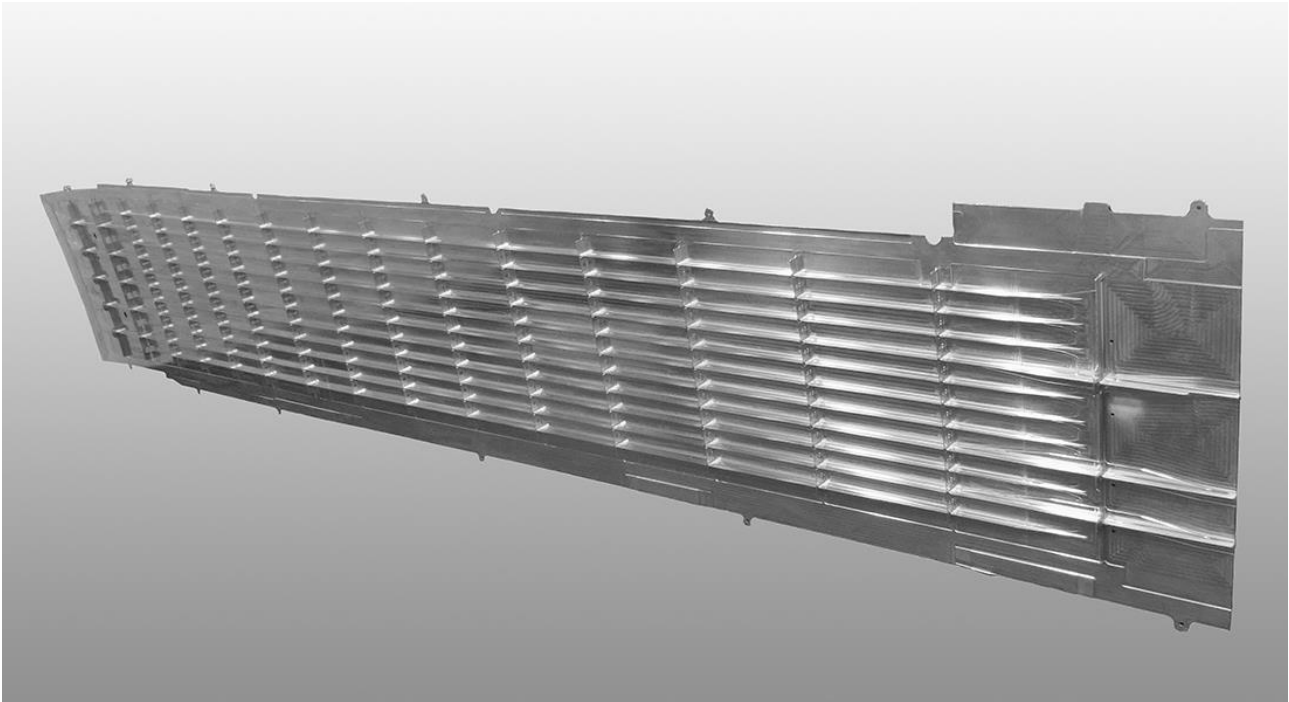
**LARGHEZZE PALLET: 2,000 MM / 2,500 MM**

**CORSE ASSI X/Y/Z FINO A 7,800/2,500/700 MM**

**AVANZAMENTI X/Y/Z FINO A 80/80/80 M/MIN**

**POTENZA MANDRINO FINO A 125 KW (S1)**

**VELOCITÀ MANDRINO MAX. 30,000 GIRI/MIN**



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

. 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