

BA W02-22i machining center

- Twin-spindle, 5-axis
- 4m x 4m footprint
- Linear, torque motors ensure positioning accuracy of less than 0.006mm
- 250mm spindle distance
- 24m/sec² feed-axis acceleration
- 120m/min rapid traverse
- 25,000rpm max. spindle speed
- Double swiveling workpiece carrier for parallel loading

Other cell components

- 7kg robot – Workpieces up to 1kg, up to 100mm x 100mm x 50mm
- Vertical pallet storage unit – up to 24 600mm x 400mm pallets



Robotically loaded multi-spindle 5-axis machining centers

Multi-spindle, 5-axis machine tools feature integrated robotic loading and unloading, plus vertical pallet storage for workpiece blanks and finished parts. The high-speed, high-precision machining centers, incorporated into plug-and-play manufacturing

cells, decrease commissioning time.

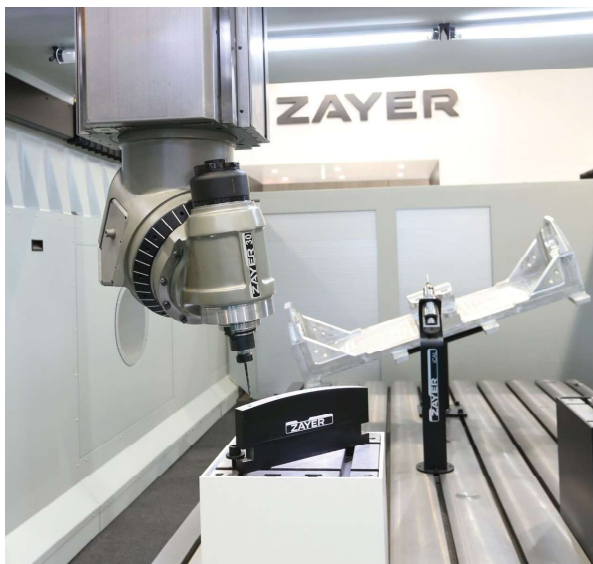
The cells consist of dual-spindle SW BA 222 or BA W02-22i machining centers and a 6-axis robot. Delivered as a crane-hook system for straight forward installation and setup, the robot is mounted overhead for increased freedom of motion and the pallet storage unit is set off to the side,

allowing manual loading and unloading.

All mechanical connections – including coolant return, swarf conveyor, and electrical installation – are made before the cell leaves the factory.

SW North America

<http://www.sw-machines.de>



Compact 30° head

The Zayer 30° head is smaller and lighter than the typical, boxy 5-axis twist head, improving flexibility, accuracy, and strength. Suitable for positioning and continuous applications, it can reach tight spots, including negative 30° angles.

The head can also return to its home position after an accidental crash, allowing the operator to resume work almost immediately. Available with the option of an electro spindle, the head can reach speeds up to 24,000rpm while producing the same force as that of a traditional 5-axis twist head.

It maintains its precision and cutting strength in the unclamped position, and the turning point of the cutting tool allows for more accuracy because it can adjust to the geometry of the surface being machined. The head is standard on Zayer bed, bridge, gantry mills, and traveling columns. Lagun Engineering is the U.S. representative of Zayer.

Lagun Engineering

<http://www.lagun.com>