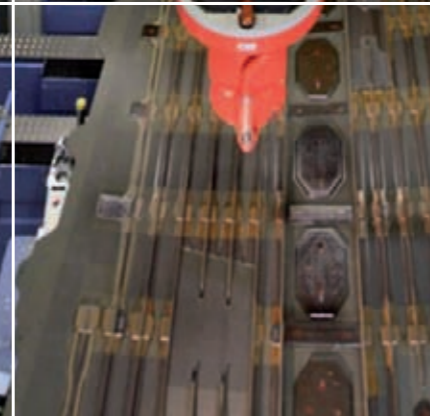
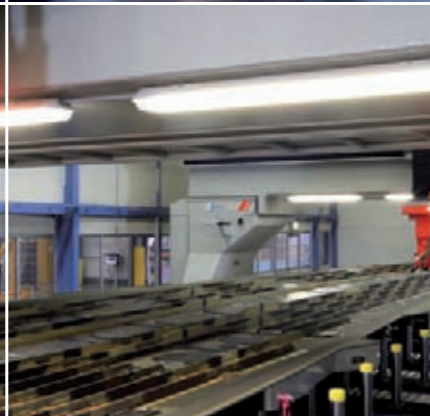
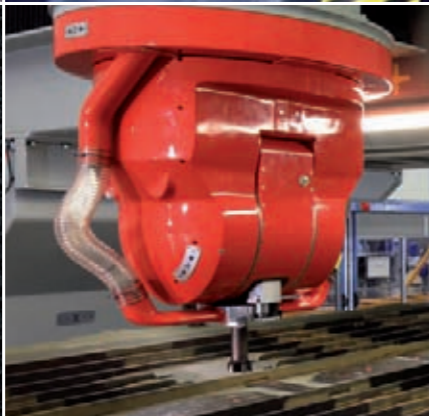
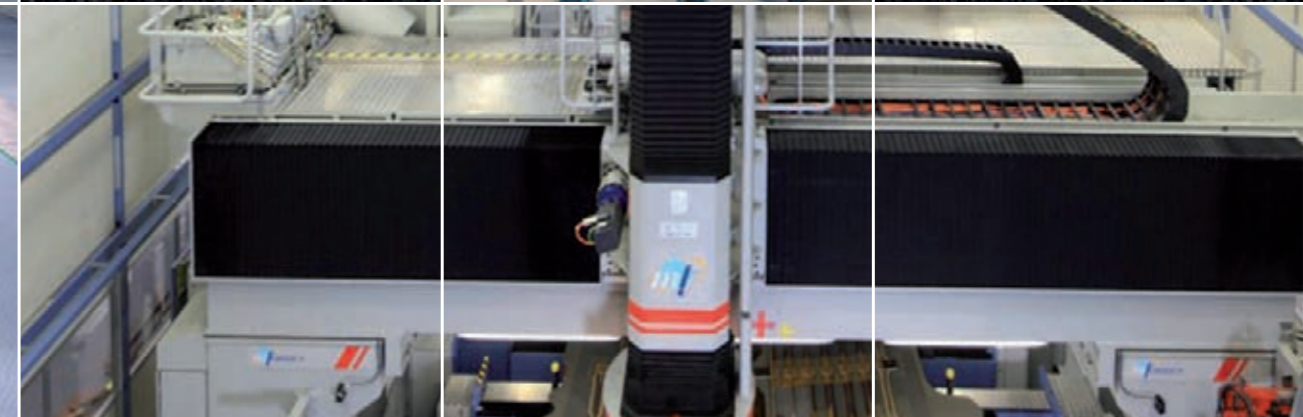


OPTIONS

- Volumetric compensation system
- Temperature controlled enclosure
- Tool management
- Automatic calibration

OPTIONS

- Laser based vision system
- Photogrammetry measuring system
- Dry/wet machining
- Temperature compensation



TORRESMILL® AND TORRESTOOL®

5 Axis Gantry/Column Routing and Drilling Machine With Flexible Tooling System

The well proven sturdy and, torsion free gantry concept enables the machine to provide the maximum acceleration-deceleration at the highest feed rates.

A high frequency spindle provides appropriate spindle revolutions for optimal cutting and maximum feed rates.

TORRESMILL® Gantry or Column Milling Machines are built in various sizes to meet customer requirements and specifications.

An in house developed unique software to offset the effect of spring back on Composite components is optionally available. This software takes a number of part measuring readings, compares the theoretical vs real part shape and corrects the CNC program accordingly.

By integrating the TORRESTOOL® with the TORRESMILL® 5 axes High Speed Milling Machine, the system provides the highest degree of flexibility and reduces changes over time from one work piece configuration to another to less than 2 minutes. All supports rods with vacuum cups move simultaneously in the X/Y/Z axes and are automatically locked in their final positions.

The TORRESMILL® can also be delivered with a conventional T slotted table for hard tooling set up.

A Vertical TORRESMILL® can also be provided eventually working integrated with a head Stock/ Tail Stock system for mandrel rotation on a fully interpolated manner with the TORRESMILL®.

TORRESMILL® 5-axes gantry DNC-CNC high speed milling machine series has been specially designed for high speed milling and drilling of aircraft Carbon Fiber structural components. The integration with the TORRESTOOL® provides the maximum flexibility.