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APPLIED ROUTING TECHNOLOGIES . . .



## The Hi-speed CNC machining centers for large work envelopes

This massive suspended gantry 5-Axis CNC machine is ideal for machining large cubic size work pieces. Most common automated CNC operations include milling, cutting, drilling, countersinking, rivet and fasteners applications, etc.

The moving bridge structure with a wide range of optional components, allows the user to machine various sizes of large work pieces, while ensuring high cutting speeds, high precision and a smooth surface finish.

Different mechanical alternatives and component sizes are available to grant the requested tolerances and performances, over different materials and sector standards.

Applications for this type of machine are typical of the wind energy, automotive, aerospace and marine industries or cross-sector model, pattern and mold makers.

Typical materials to be machined are: composite materials, resins, epoxies, tooling boards, FRP's, aluminum and other non-ferrous alloys.



## Main technical specifications of the A Series

Strokes of the A Series

Stroke axis X: mm. 2.000-9.000

Stroke axis Y: no limits

Stroke axis Z: up to mm. 5.300 (standard or telescopic)

The A series has been engineered to install:

- different heads and spindle motors: operative speeds up to 60.000 rpm, power up to 42 kW, different torque curves and dimensions
- CNCs and servo drives (standard Fanuc, Siemens, others available on request)
- Heavy Duty Tool Changers to support big tools and units: linear or rotary types, extra pick-up, custom solutions
- Hybrid solutions for integrated operations (application of fasteners, rivets, resins, glue, etc.)

The Heavy Duty construction of the A series allow to integrate it with:

- Vacuum, T-slot or cast steel tables
- clamping devices either on table(s) or on the floor (in independent areas)
- pallet changer
- effective head dust extraction systems
- toolsetters and touch probes
- different tool cooling systems
  - bellows
  - laser scanners
  - VDO camera network (operational/safety)



We take care of analyzing with the customers all the side aspects related to the CNC manufacturing process, including:

- material flow in the CNC room (including clamping systems under the machine)
- referencing the fixtures and the workpieces
- tools and production accessories
- integrated dust/swarf extraction devices
- machine full enclosure with doors and opening on the roof for loading/unloading





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