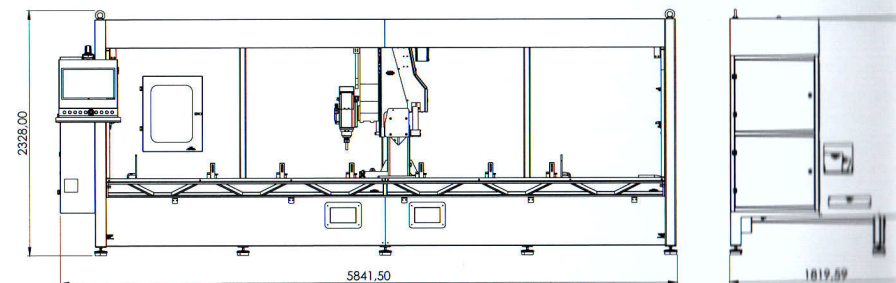
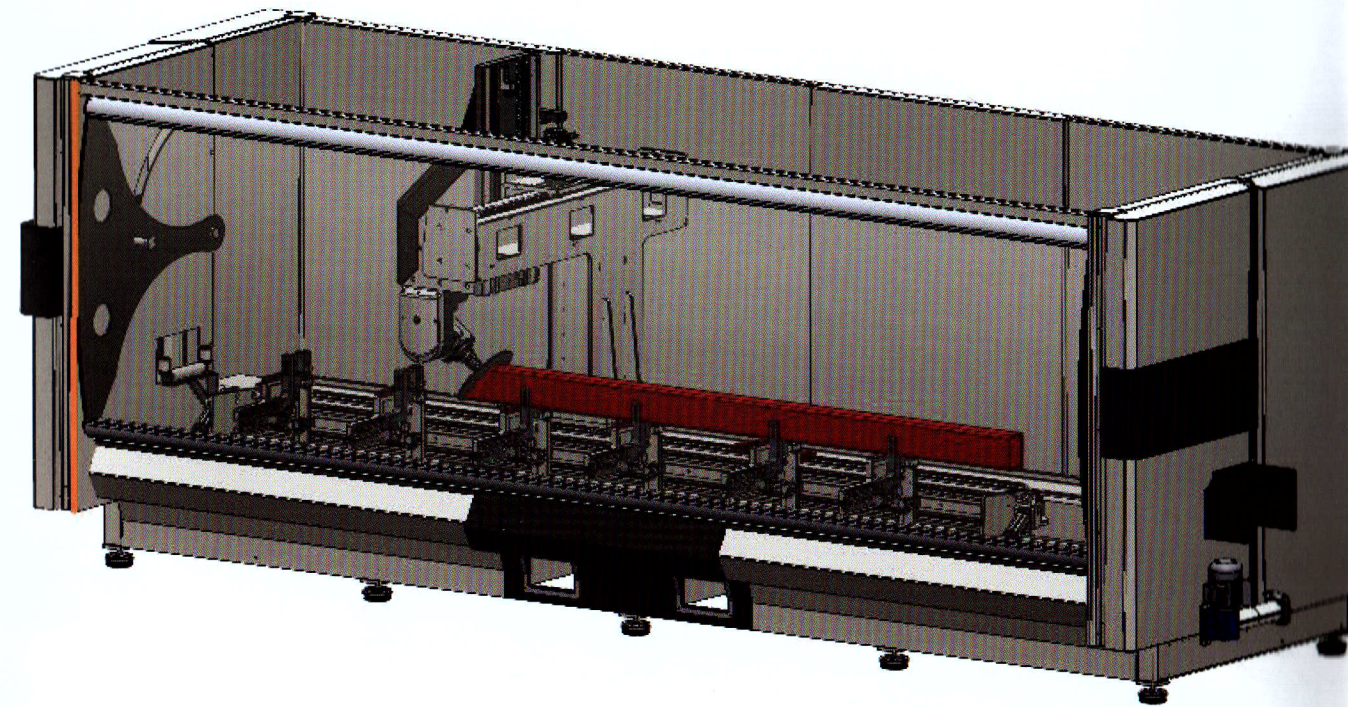
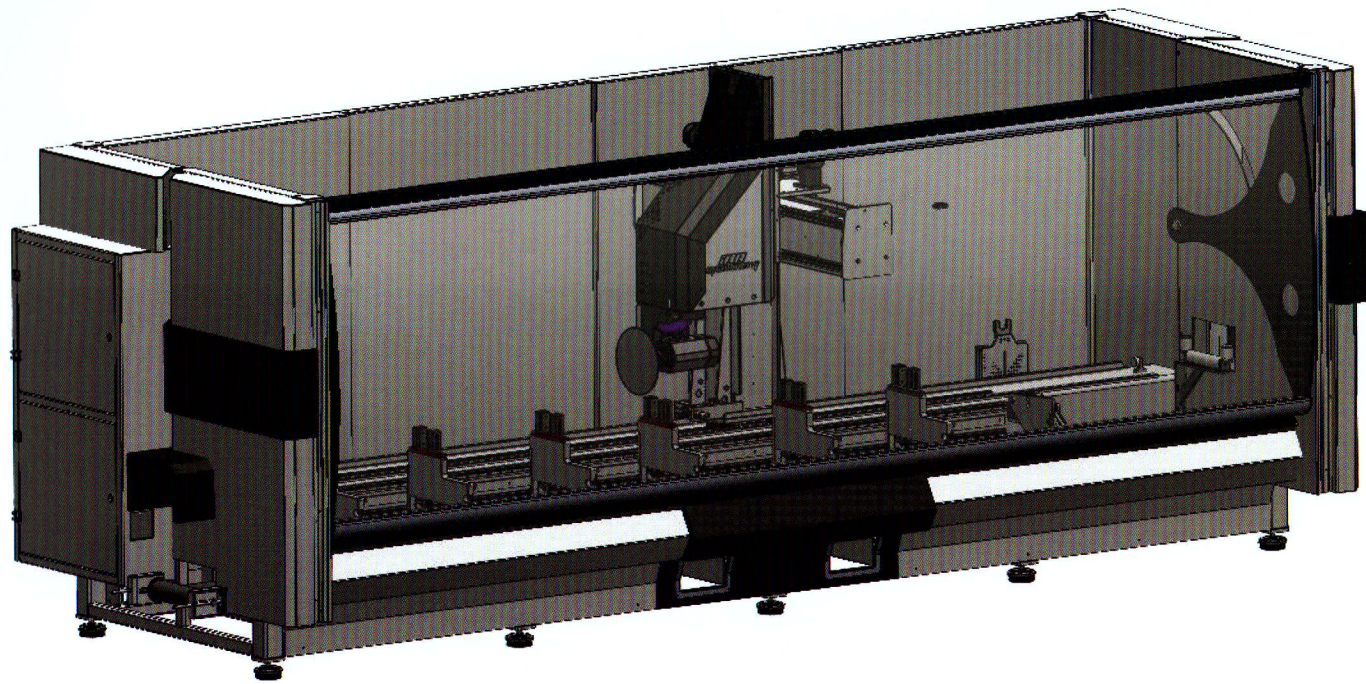


MARENELLO

5-AXIS CNC PROFILE MACHINING CENTER



MACHINE DESCRIPTION

Cabin type 5 Axis CNC Profile Machining Center equipped with a 5-Axis birotary spindle, automatic tool changer magazine with 7 pos., automatically positioned 5 profile clamping devices, pneumatic reference pins and 3D programming software. The machine net processing length is 4.2 meters, but it can process up to 6 meters of profiles thanks to automatic NC controlled profile sliding mechanism. No need for operator help to move the part. The machine will process the complete bar itself. All the operations are carried out automatically through the CAD/CAM and the CNC controller. Super-Ergonomic design for the use of operator.

Body: All machined metal profile structure. Thermally treated vibration free.

Spindle: 10.0 kW 0 - 24.000 rpm adjustable HSK F63 with ceramic bearings, liquid-cooled.

A-Axis tilting at any angle between 0°-180°.

C-Axis rotating at any angle between 0°-360°.

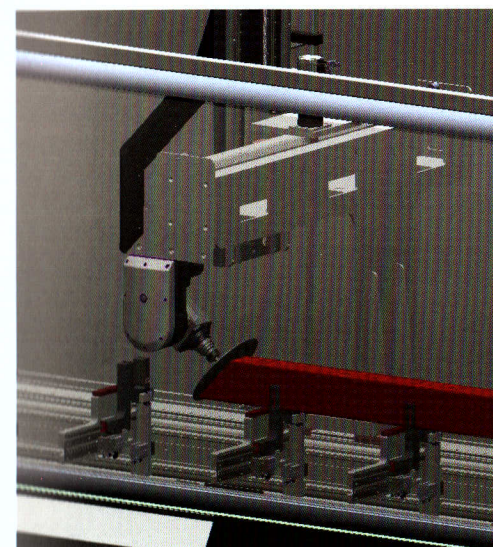
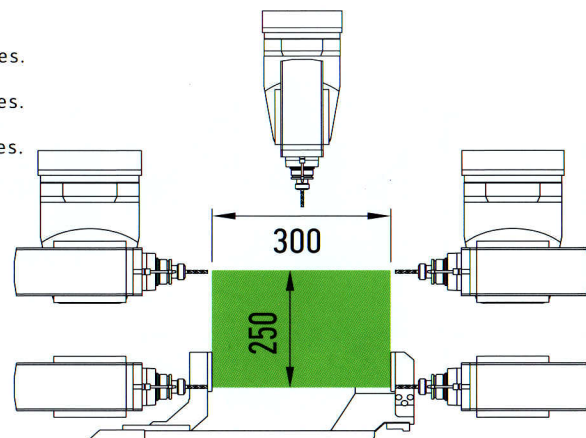
Automatic Tool Changing Magazine: Placed on the machine body with 7 positions of standard tools.

Disc Cutter: The 300 mm notching blade is placed in a separate magazine.

Axis Information:

- X-Axis: Brushless servo motor with gear moving on Helical Rack and Pinion and linear guides. V/max: 70 mt./min.
- Y-Axis: Brushless servo motor with gear moving on Helical Rack and Pinion and linear guides. V/max: 60 mt./min.
- Z Axis: Brushless servo motor with gear moving on Helical Rack and Pinion and linear guides. V/max: 60 mt./min.
- A Axis: +/- 185 degrees
- C Axis: +/- 320 degrees

Profile machining length: 4.200 mm
 Profile machining dimension in 5 axis: 300 X 250 mm.
 Maximum tool length: 150 mm.
 Maximum tool diameter: 30 mm.
 Maximum disc cutter diameter: 450 mm.
 Total installed power: 23 kW / 60A / 400V / 50-60 Hz.
 Air pressure and air consumption: 6-8 Bar. - 50 L/min.



STANDARD EQUIPMENT

The width of the clamps are adjustable and they are also suitable for fixture connection.

10.0 kw 24.000 rpm HSK-F63 high speed spindle has an automatic tool changer magazine with 7 positions placed linear at the end of the machine.

Machine enclosure moving up and down automatically following the work cycle.

Pulse spray mist coolant system.

3D CAD-CAM software.

Windows based PC and 21.5" TFT-LED Screen.

OPTIONAL EQUIPMENT

Data import with barcode reader from window production softwares.

Tapping with encoder on the spindle.

12.0 kW 24.000 rpm HSK F63 spindle.

Air conditioning inside the electric panel.