

XP 9000

5-AXIS CNC PROFILE MACHINING CENTER



MACHINE DESCRIPTION

CNC Profile Machining Center equipped with X, Y, and Z axes, 0–180° on the A-axis, and 0–360° on the C-axis. Full 5-axis functionality is independently programmable with a high-speed spindle, automatic tool changer magazine, profile clamping devices, pneumatic reference pins, and 3D programming software.

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

Spindle: Bi-rotary head with 18.0 kW, 24,000 rpm HSK-F63 high-speed spindle. Featuring ceramic bearings and liquid cooling, it has two axes mounted on the spindle body.

Automatic Tool Changing Magazine: Placed on the bridge with 10 positions for standard tools. The 400 mm 5-axis notching blade is also integrated within.

Axis Information:

X-Axis: Brushless servo motors with gears moving on helical rack and pinion and linear guides. V/max: 80 m/min.

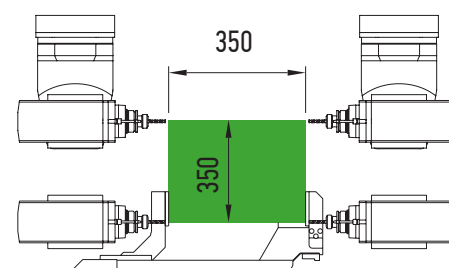
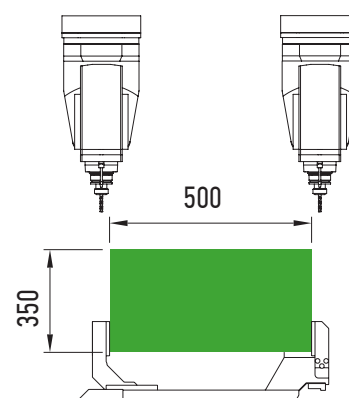
Y-Axis: Brushless servo motors with gears moving on helical rack and pinion and linear guides. V/max: 65 m/min.

Z-Axis: Servo motor with braking system moving on ball screw. V/max: 25 m/min.

A-Axis: +/- 185 degrees

C-Axis: +/- 320 degrees

Profile Machining Length	: 7.500 mm.
Profile Machining Dimension (from the top)	: 500 X 350 mm.
Profile Machining Dimension (5 Axis)	: 350 X 350 mm.
Maximum Tool Length	: 250 mm.
Maximum Tool Diameter	: 100 mm.
Maximum Disc Cutter Diameter	: 500 mm.
Total Installed Power	: 30 kW / 60A / 400V / 50-60 Hz.
Air Pressure and Air Consumption	: 6-8 Bar. - 120 L/min.



STANDARD EQUIPMENT

Double station working capacity thanks to the pneumatic reference points placed at both sides of the machine. Manually positioned 8 pieces of profile clamps. The width of the clamps is adjustable and they are also suitable for fixture connection. The 18.0 kW 24,000 rpm HSK-F63 high-speed spindle has an automatic tool changer magazine with 10 positions placed on the bridge.

Dust extraction conveyor.

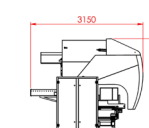
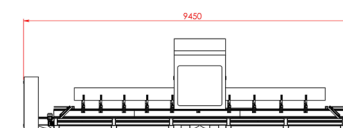
Pulse spray mist coolant system.

Automatic positioning of the clamps moved by the bridge.

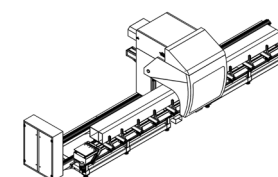
3D CAD-CAM software.

21.5" TFT-LCD Screen.

Laser safety barriers.



5.500 kgs.



OPTIONAL EQUIPMENT

Extra sawblade tool with 500 mm diameter.

Data import via barcode reader from production software.

Extension of net profile machining length up to 15 m.

Independent clamp management via additional servo axes.

Additional angular head for processing from the bottom of the profile.

Air conditioning inside the electrical panel.

