

XP 7000



4-AXIS CNC PROFILE MACHINING CENTER



MACHINE DESCRIPTION

XP 7000 - 4-axis CNC profile machining center
 Bridge-type CNC profile machining center equipped with 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: 7.5 kW, 0-24,000 rpm adjustable ISO 30 with ceramic bearings, air-cooled.

Automatic tool changing magazine: Placed on the machine body at the middle with 8 positions for standard tools. The 350 mm notching blade is also integrated within.

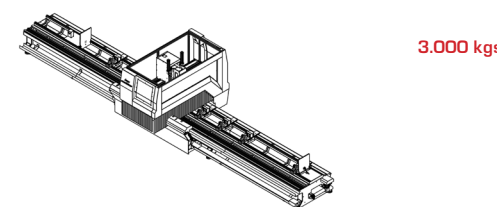
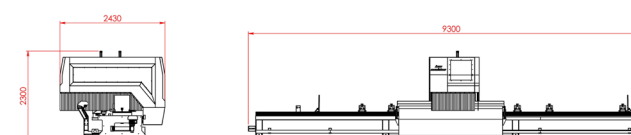
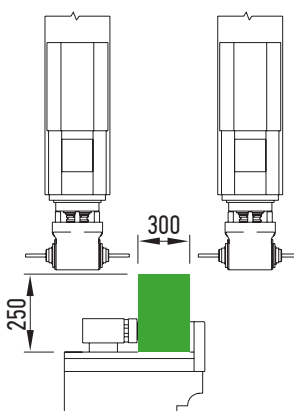
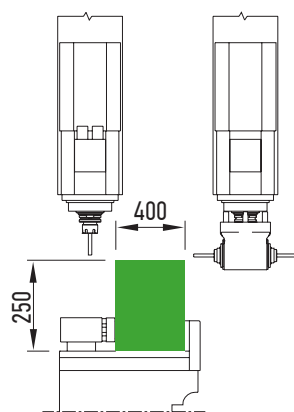
Axis Information:

X-axis: Brushless servo motor with gear moving on helical rack and pinion and linear guides. V/max: 80 m/min.

Y-axis: Brushless servo motor with gear moving on helical rack and pinion and linear guides. V/max: 60 m/min.

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

Profile Machining Length	: 7,300 mm.
Profile Machining Dimension (from the top and front)	: 400 x 250 mm.
Profile Machining Dimension (from the top, front, & back)	: 300 x 250 mm.
Maximum tool length	: 200 mm.
Maximum tool diameter	: 60 mm.
Maximum disc cutter diameter	: 350 mm.
Total installed power	: 13 kW / 30A / 400V / 50-60 Hz.
Air pressure and air consumption	: 6-8 bar / 50 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 7.5 kW 24,000 rpm ISO 30 high-speed spindle has an automatic tool changer magazine with 6 positions mounted on the machine body. 3.0 kW 18,000 rpm ER 20 non-tool-changer spindle with two sides.

Dust extraction conveyor.
 Pulse spray mist coolant system.
 3D CAD/CAM software.
 19" TFT-LCD touch panel.
 Laser safety barriers.

OPTIONAL EQUIPMENT

Automatic positioning of the clamps moved by the bridge.
 Data import via barcode reader from production software.
 8.5 kW, 24,000 rpm HSK-F63 air-cooled spindle.
 Tapping with compensation up to 12 mm.
 Disc cutter 300 mm.
 Extra clamping unit, manually positioned.
 Extra clamping unit, automatically positioned.
 Double clamping.
 Air conditioning inside the electrical panel.

