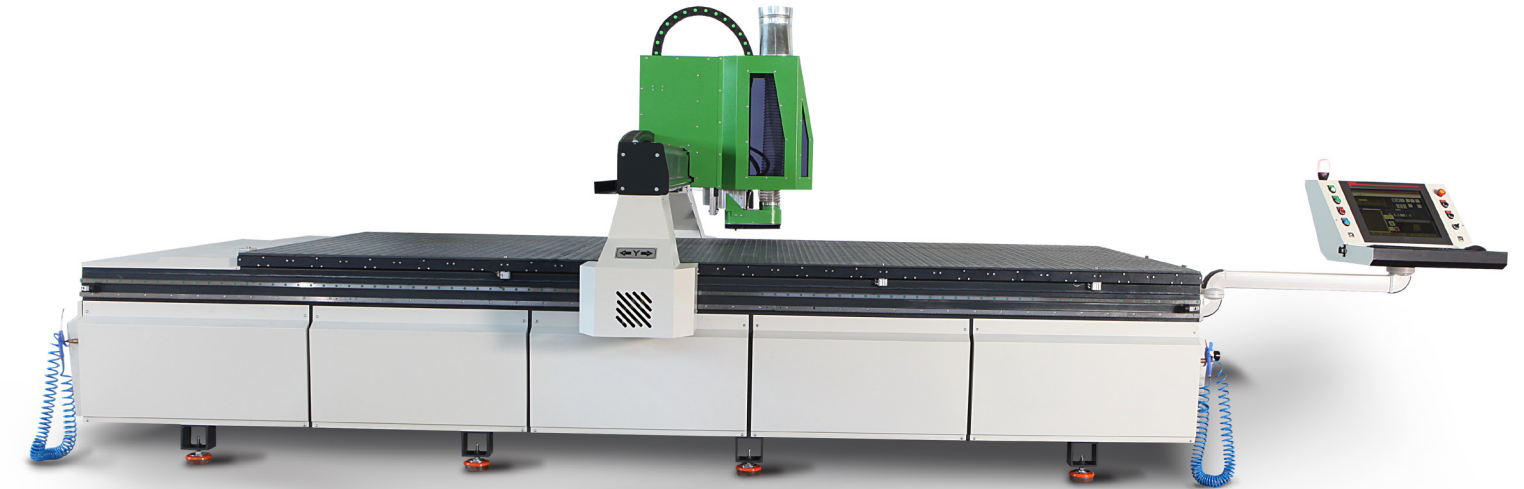


XT 1640/1665



CNC PANEL MACHINING CENTER



MACHINE DESCRIPTION

Gantry axis CNC router equipped with vacuum table, reference pins, and dust extraction system.

Machining sizes:

- 1,600 x 4,000 mm.
- 1,600 x 6,500 mm.
- 2,100 x 4,500 mm.
- 2,100 x 6,500 mm.

Body:

All-machined metal profile structure. Vibration-free.

Main Milling Engine:

High-speed spindle. Ceramic bearings, air-cooled, adaptable to ISO 30 adapter.

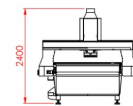
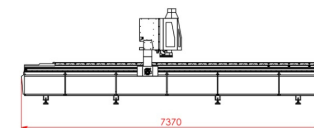
At the start-up of the spindle, automatic warming up of the bearings.

Double spindle version – 4.0 kW / 18,000 rpm.

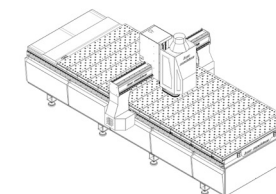
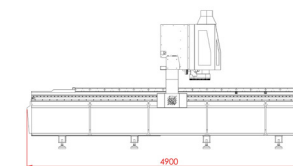
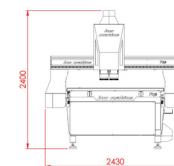
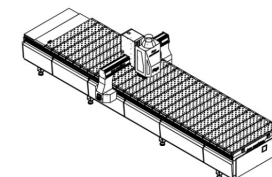
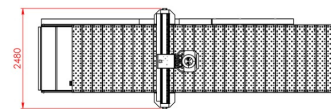
First tool grooves the panels, then the tool changer changes to the cutting tool and it cuts the panels. Thanks to the high-speed spindle, any kind of panel is available to be machined.

Auto tool changer spindle version – 7.5 kW / 24,000 rpm.

Spindle is changing the tools automatically from the tool changer magazine with 6 tools.



3.200 kgs.



2.500 kgs.

Axial Features

X-Axis: Gantry Double Engine Helical Rack and Pinion with geared servo motors 65 mt./min.

Y-Axis: Helical Rack and Pinion with geared servo motors 65 mt./min.

Z Axis: Ball screw type with servo motor brake system, 25 mt./min.

Materials That can be Processed on the Machine:

Aluminum composite panel, stainless steel composite panel, compact laminate panel, solid aluminum panels up to 20 mm thick, acrylic panels, MDF, wood, etc. Smart vacuum table controls all vacuum chambers and reference pins automatically. Operator mistakes are minimized.

The gantry that carries the milling head is moved by two geared servo motors at both ends. Its precision is 0.1 mm/1 m.

OPTIONAL EQUIPMENT

Reference System:

Reference pins, placed at the beginning, in the middle, and on the sides of the vacuum table.

CAD/CAM Program:

CAD/CAM panel optimization software

Dust Extraction:

Sytem capacity 3,500 m³ / hour with steel pipes, customized for customers (optional)

Vacuum Pump:

Sytem capacity 305 m³ / hour (standard)

Machine Working Table:

Vacuum table working without gasket and MDF with heavy-duty metal construction covered with polyester compound. Multiple vacuum chambers controlled by the CNC controller; chambers are self-adjusted according to the size of the panel. Specially modified vacuum table for processing small pieces.

Advantages of Bigger Vacuum Table:

The possibility of changing the panel while processing another, thanks to the twin working areas. Optimization of loading and unloading time for the panels.

