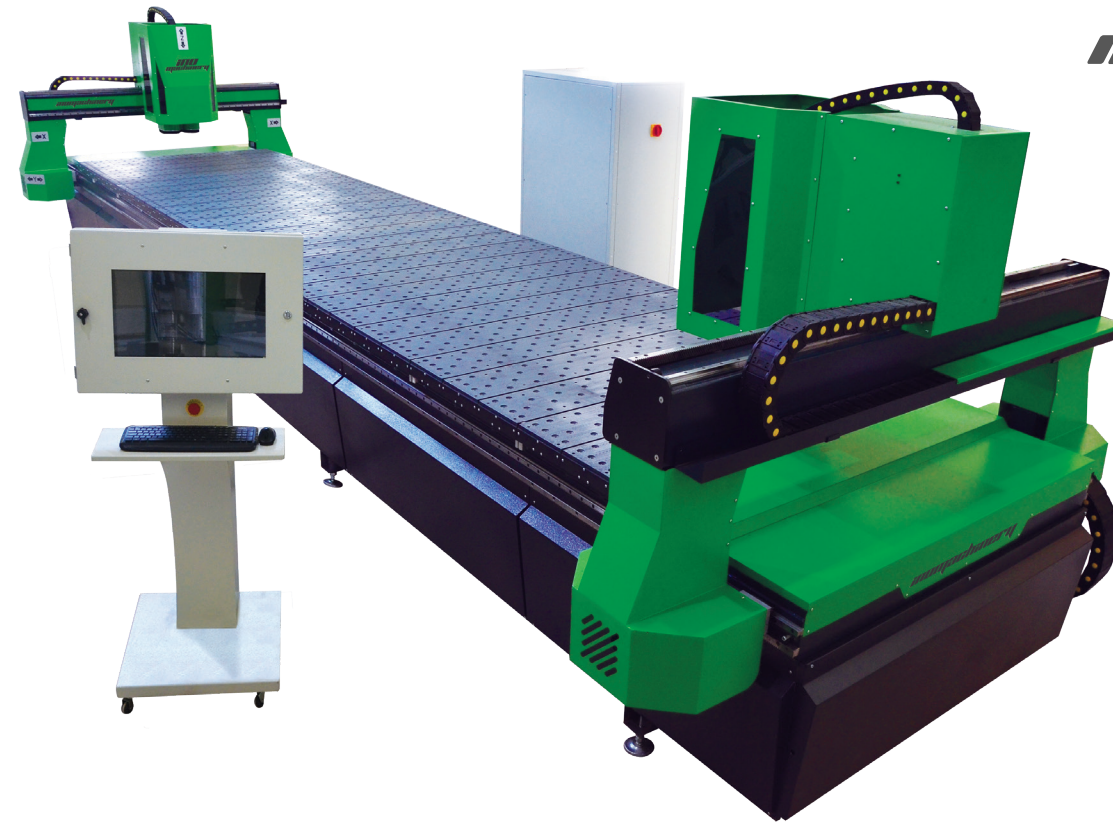


XX 9000



DOUBLE BRIDGE PANEL MACHINING CENTER



MACHINE DESCRIPTION

Double bridge gantry CNC router equipped with vacuum table, vacuum pump, reference pins, and dust extraction system.

Machining sizes:

1,600 x 8,000 mm.

1,600 x 10,000 mm.

2,100 x 8,000 mm.

2,100 x 10,000 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.

Axial Features:

X-axis: Gantry double engine helical rack and pinion with geared servo motors, 65 m/min.

Y-axis: Helical rack and pinion with geared servo motors, 65 m/min.

Z-axis: Ball screw type with servo motor brake system, 25 m/min.

Materials that can be processed on the machine:

Aluminum composite panel, stainless steel composite panel, compact laminate panel, pure 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.

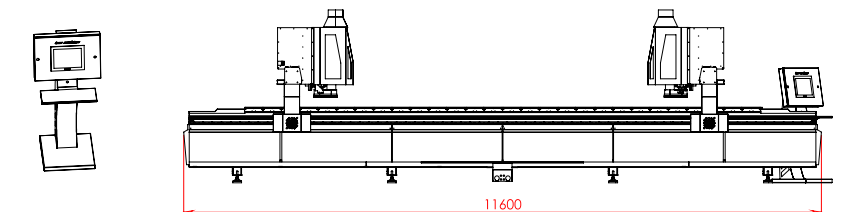
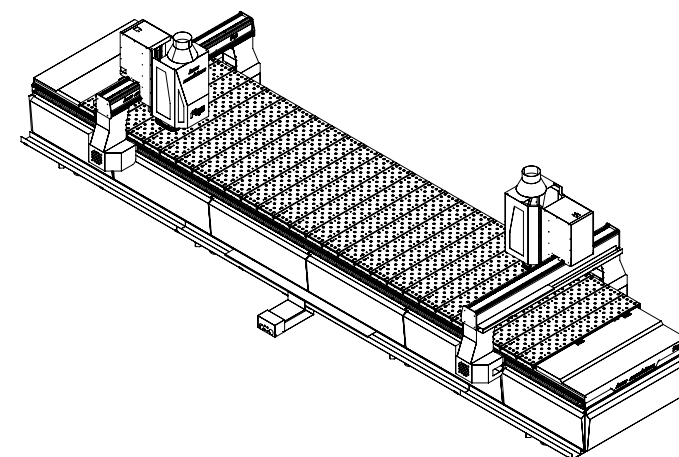
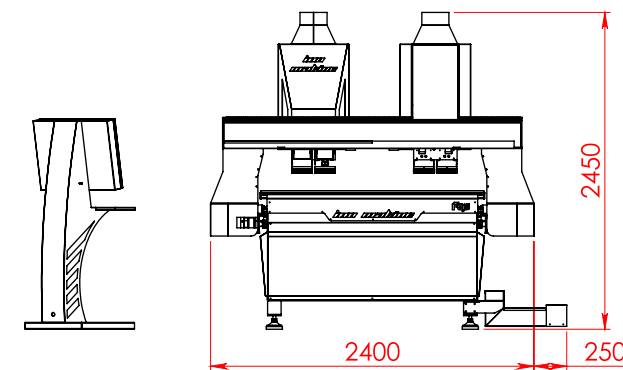
The gantry that carries the milling head is moved by two geared servo motors at both ends. Its precision is 0.1 mm/1 m.

Total installed power: 45 kW / 60A / 400 V / 50-60 Hz / 3-phase.

Air pressure and air consumption: 6-8 bar / 140 l/min.

Colored cables inside the electrical cabinet.

CE certificate / User manual – English language.



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

Vacuum Pump:
System 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 Double Bridge Machining Center:
Two separate machines work in one machine body. Compared to standard double-station machines, this machine takes only one meter more space and the capacity is 50% higher.
Two bridges work on two standard-sized workpieces separately; if needed, both bridges can work on one 6-meter panel at the same time.
When one bridge is on alarm, the second bridge can work in double-station mode to compensate for production loss.