

CNC1212 CNC ROUTER

The CNC1212 is a tough and flexible CNC router, perfect for signmakers, woodworkers, general fabrication and exhibition stand manufacture.

It has a large 1200mm x 1200mm work area and a powerful 2.2kW vacuum bed arrangement for precise and reliable workholding. A wide range of options are available, such as multiple spindles, spindle cooling options and linear toolchange facilities.



MACHINE FEATURES:

3.5kW air cooled spindle motor with 3.2kW water cooled spindle option available

Inverter driven spindle system, offering precise adjustment of cutting speed, smooth acceleration, deceleration and elimination of high inrush current

2.2kW vacuum bed arrangement with integral T-slots for added flexibility

Intuitive hand held control system with USB interface

Heavy duty base frame and gantry, offering a perfect balance between weight and stiffness

High quality machined ballscrews offering precise accuracy control

Supplied complete with Vectric Cut2D Pro

Wide range of upgrades available including spindle motor power and tool change options

MATERIAL PROCESSING:

Woods and MDF

Acrylic

PVC

Foamex

Model Board

Aluminium, brass & other soft metals

Polycarbonate

Corian

Polypropylene

Carbon Fibre and other composites

ABS



Working size	1200mm x 1200mm x 160mm
Operating Voltage	230V single phase 50Hz
Operator control	DSPA 11 handheld controller
Spindle motor	3.5kW air cooled
Spindle speed	6,000-18,000 RPM
Spindle control	3.7kW variable speed drive (frequency inverter)
Motion control	Stepper motors
Table surface	Vacuum bed with 2.2kW vacuum pump and T-slots
Location precision	<0.05mm
Structure	Cast iron heavy duty welded frame and gantry
Axis transmission	Precision ground ballscrews
Dust extraction	Dust cover, extraction pipe and support, dust bag extractor (optional)
Machine weight	580kg
Collet size	ER20
Software	Vectric Cut2DPro
Electrical requirements	1 x 13A single phase socket (machine) 16A single phase socket (vacuum pump)
Dimensions	
Machine	1750mm long x 1900mm wide x 1650mm high
Control panel	580mm wide x 370mm deep x 980mm high
Dust extractor	700mm long x 440mm wide x 895mm high

Warranty	12 months onsite excluding consumables
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OPTIONAL EXTRAS:

- Vacuum bed zoning with control valve arrangement
- 4.5kW spindle power upgrade
- 3.2kW water cooled spindle motor (max speed 24,000 RPM)
- Linear and rotary tool change options
- Dust bag extractor