

 **DENFORD**

Vertical Router

LARGE FORMAT VERTICAL 3 AXIS CNC ROUTER



High volume floor standing dust extraction unit.
(Requires single phase, 16A supply protected by either a fuse or an MCB C Type)

The Denford Vertical Router is a large format CNC Router, combining high speed machining over a large working area with space saving engineering. The 1200 x 800 mm working envelope makes it ideal for the manufacture of large-scale items such as furniture parts and door panels. The machine is well equipped with a high power 21,000 rpm spindle motor and AC Servo Motors allowing contouring and rapid feeds of 20 metres per minute in all axes. Inspired design provides excellent production capabilities and ease of installation, as the Vertical Router will fit through a standard door frame.


APPROVED

Ideal for use in conjunction with


IN SCHOOLS

Vertical Router

THE VERTICAL ROUTER COMES AS STANDARD WITH:

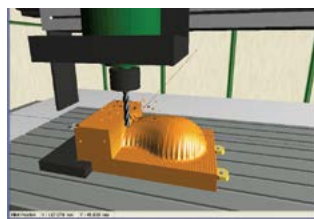
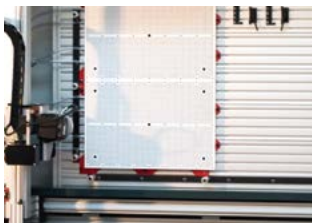
- VR CNC Milling Operating Software (PC not included).
- QuickCAM 2D Design software (1 seat)
- Aluminium T Slot Table.
- Outlet for Dust Extraction System.
- Workholding Clamps.
- Installation and Instruction Manuals.
- USB Connection.

KEY FEATURES INCLUDE:

- Incredible 1200 x 800 x 150 mm working area.
- 21,000 rpm spindle motor.
- Fully closed loop servo system for increased machining accuracy.
- 20 metres per minute Feed/Rapid rate.
- Will fit through a standard door frame.

OPTIONAL EQUIPMENT INCLUDES:

Large Format Vacuum Bed, Hinged Arm Computer Shelf, Dust Extraction Unit, F1 in Schools Car Manufacturing Fixture, 4th Axis Programmable Rotary Fixture, and Workholding Clamps.



SYSTEM REQUIREMENTS

Please refer to page 29.

RECOMMENDED SOFTWARE PROGRAMS

All software necessary to control the Vertical Router is included. Also included is a seat of QuickCAM 2D Design - an easy to use 2D CAD package.

- 2D Designs: The VR Milling software can import DXF, DWG, EPS and Gerber files in addition to G & M code programs and as such will link with programs such as Techsoft 2D Design and CorelDraw.

- 3D Designs: To enable import of STL files from 3D design packages such as Autodesk Inventor, SolidWorks, Pro/DESKTOP & ArtCAM, QuickCAM Pro software is required [see pages 40 - 41].

MECHANICAL DETAILS	VERTICAL ROUTER
Machine Width	2200mm
Machine Depth	750mm
Machine Height	1920mm
Machine Weight	450kg
Table Size	1300 x 900mm
Travel X Axis	1200mm
Travel Y Axis	800mm
Travel Z Axis	150mm
Max. Spindle Speed	21,000rpm
Feed Rate (all axes)	20 metres/min
Mains Supply Requirements* [* Alternative supplies available on request]	Single Phase
Spindle Motor	1.7kW
Axes Motors	Servo
Volts	230 Volts
Amps	13 Amps
Hz	50 Hz
Electrical Connection	16A Hard Wired