

Vertical Router

Last Updated Wednesday, 28 February 2007

The Denford Vertical Router is a large format CNC Router, combining high speed machining over a large working area with space saving engineering.

With a working envelope of 1200 x 800mm the Vertical Router is ideal for the manufacture of large-scale items. The machine is well equipped with a high power (2.25hp) 21,000-rpm spindle motor and AC Servo motors allowing contouring and rapid feeds of up to 20 metres per minute in all axes.

- Watch a video of the machine in action

Inspired design provides excellent production capabilities and ease of installation as the Vertical Router will fit through a standard door frame.

The Vertical Router comes as standard with VR CNC Milling operating software, T slot table, USB Connection. maintenance tools and instruction manuals.

Optional equipment includes Pendant Swing Arm for laptop PC, F1 in Schools Car Manufacturing Fixture, 4th Axis Programmable Rotary Fixture, Dust Extraction Unit and Work-Holding Clamps.

Mechanical details Vertical Router

Machine Width
2200 mm

Machine Depth
750 mm

Machine Height
1920 mm

Machine Weight
450 kg

Table size
1300 x 900 mm

Travel X Axis
1200 mm

Travel Y Axis
800 mm

Travel Z Axis
150 mm

Max. Spindle Speed
21,000 RPM

Spindle Motor
1.7 kW

Feed Rate (all axes)
20 metres/min

Dimensions
1980 x 1920 x 750 mm

Electrical Details*

Mains Supply Requirements*
Single phase

Voltage
240 Volts AC

Hz
50Hz

Current
13 Amps

Axes Motor
Servo *Alternative electrical supplies available on request

[Vertical Router Product Literature](#)

[Vertical Router Machine Manual](#)

You will need Adobe Acrobat Reader to view this file, to download it please [click here](#).

A windows based PC is required to run this machine. It comes complete with powerful VR CNC Milling v5 Operating Software.

All Denford routers are CE Approved for safety and are supplied as a complete educational package incorporating operating software and manuals, CAD/CAM software and manuals, curriculum courseware and project books in addition to a full range of tooling and machine accessories.

USB Connection is available on all Denford CNC Machines (USB requires Windows XP/2000 or later)