

Compact 1000 / Compact 1000 Pro

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A compact 3 axis CNC Router with totally enclosed interlocking guard, suitable for all levels of education and training.

The Compact 1000 is ideal for cutting a range of resistant materials such as hard and soft wood, plastic, modeling foam, acrylic and prototyping materials. In addition, the Compact 1000 Pro can cut non-ferrous metals.

The Compact 1000 and the Compact 1000 Pro come as standard with VR CNC Milling Operating Software, Aluminium T-Slot Table, Maintenance Tools, Outlet for Dust Extraction System, Work-Holding Clamps, Instruction Manuals and a USB Connection.

Optional Equipment includes Vacuum Pots, F1 in Schools Car Manufacturing Fixture, Industrial Keypad, 4th Axis Programmable Rotary Fixture, Portable Machine Bench and Dust Extraction Unit.

Mechanical details

Compact 1000

Compact 1000 Pro

Machine Length

845 mm

845 mm

Machine Depth

750 mm

750 mm

Machine Height

675 mm

675 mm

Machine Weight

90 kg

90 kg

Table Size

400 x 240 mm

400 x 240 mm

Travel X Axis

400 mm

400mm

Travel Y Axis

240

240

Travel Z Axis

110 mm

110 mm

Beam Clearance

140 mm

140 mm

Electrical Details*

Max. Spindle Speed

23000 rpm

24000 rpm

Non Ferrous Metal Cutting

No

Yes

Spindle Speed Control

No

Yes

Spindle Speed Override

No

Yes

Max. Feed Rate

5000 mm/min

5000 mm/min

Max. 3D Profiling

4500 mm/min

4500 mm/min

Mains Supply Requirements*

Single Phase

Single Phase

Spindle Motor

1.3 kW

1.0 kW

Axes Motor

Stepper

Stepper

Volts

240 Volts

240 Volts

Amps

8 Amps

8 Amps

Hz

50 Hz

50 Hz *Alternative electrical supplies available on request

[Compact 1000 product literature](#)

[Compact 1000 Machine Manual](#)

[Pro Version Appendix to Manual](#)

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

- Watch a video of the machine cutting a Printed Circuit Board

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)