

Compact 1000/1000 Pro

Compact 3 Axis CNC Router



COMPACT 1000/1000 PRO

Technical information



*Machine Benches sold separately (see pg. 34)



For all educational levels



Compact design



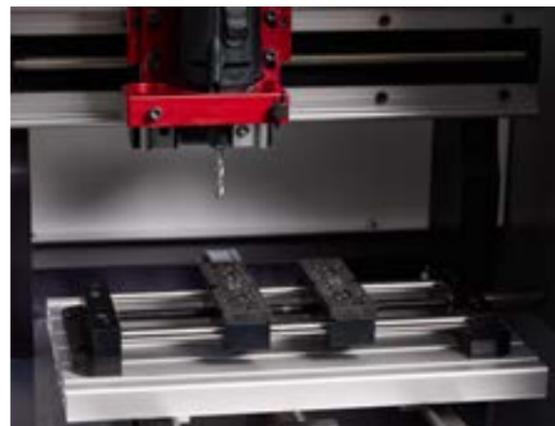
Suitable for a wide range of projects

Compact, capable and ready for any classroom project

The Compact 1000 is a versatile CNC router designed for machining woods, plastics, foams, acrylics and prototyping materials - with the Pro version adding non-ferrous metal capability. Its strong spindle, multiple fixture options and small footprint make it a powerful all-round router for schools, colleges and makerspaces.

Key Benefits:

- Small footprint, but still accepts many of the Denford fixtures
- Pro version suitable for non-ferrous metals
- Desktop or bench-mounted flexibility
- Ideal for varied curriculum and workshop projects



Machine bed with Self-centering Vice

Equipment as standard

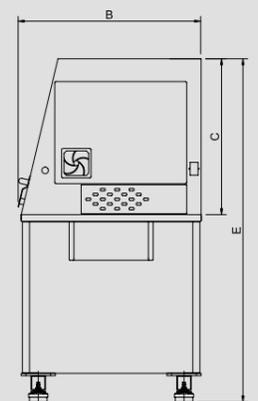
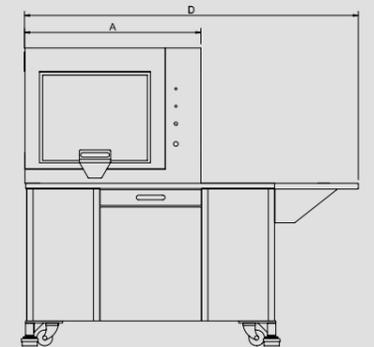
- VR CNC Milling Operating Software
- QuickCAM 2D Design Software (1 seat)
- Aluminium T Slot Table
- Outlet for Dust Extraction System
- Workholding Clamps
- Installation and Instruction Manuals
- Ethernet or USB Connection
- 1/4" Dia Ball Nose Extra Long Series Cutter (Solid Carbide)
- *PC Not Included

Optional extras

- Recommended Tooling Package
- Recommended Set of Quick Change Toolholders & Collet
- Self-Centering Vice
- STEM Racing Car Manufacturing Fixture
- 4th Axis Programmable Rotary Fixture (Inc QuickCAM 4D site licence)
- STEM Racing 4th Axis Car Manufacturing Conversion Kit
- 3D Scanning Attachment
- Integrated Dust Pro 100 Extraction Unit for Machine Bench
- Dust Pro 50 Extraction Unit
- Machine Bench with Computer Support Extension
- Vacuum Pads
- Floating Head
- QuickCAM Pro Software

Mechanical details

Machine Length (A)	875mm	34.45in
Machine Depth (B)	765mm	30.12in
Machine Height (C)	675mm	26.57in
Machine Length with Optional Base (D)	1678mm	66.06in
Machine Height with Optional Base (E)	1440mm	56.69in
Machine Weight	116kg	255.74lb
Machine Weight with Optional Base	230kg	507.06lb
Table Size	400 x 240mm	15.75 x 9.45in
Travel X Axis	400mm	15.75in
Travel Y Axis	240mm	9.45in
Travel Z Axis	110mm	4.33in
Beam Clearance	140mm	5.51in
Max Spindle Speed (1000/ Pro)	29000/ 24000rpm	29000/ 24000rpm
Non-Ferrous Metal Cutting	Pro Only	Pro Only
Spindle Speed Control	Pro Only	Pro Only
Spindle Speed Override	Pro Only	Pro Only
Max Feed Rate	5000mm/ min	196.85in/ min
Max 3D Profiling	4500mm/ min	177.17in/ min
Mains Supply Requirements	Single Phase	Single Phase
Spindle Motor 110V Supply	800W - 1.07HP	1000W - 1.34HP (Pro)
Spindle Motor 230V Supply	1050W - 1.41HP	1000W - 1.34HP (Pro)
Axes Motor	Stepper	Stepper
Voltage	230V	110V
Current	8A	10A
Frequency	50/ 60 Hz	50/ 60 Hz



Machine Dimensions