

Router 6600/6600 Pro

Large format, high speed, floor-standing CNC Router



ROUTER 6600/ 6600 PRO

Technical information

Equipment as standard

- VR CNC Milling Operating Software
- QuickCAM 2D Design Software (1 seat)
- Machine Bench
- Aluminium T Slot Table
- Outlet for Dust Extraction System
- Workholding Clamps
- Installation and Instruction Manuals
- Ethernet or USB Connection
- *PC Not Included

Optional extras

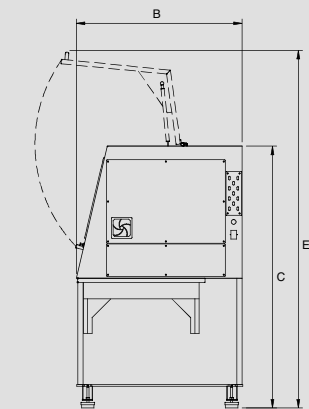
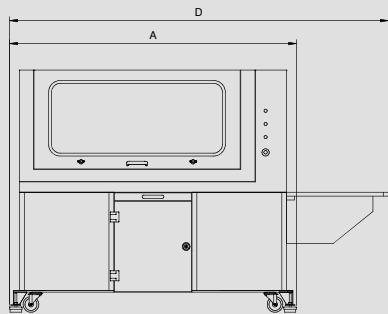
- Recommended Tooling Package
- Recommended Set of Quick Change Toolholders & Collet
- Self-Centring Vice
- STEM Racing Car Manufacturing Fixture
- 4th Axis Programmable Rotary Fixture (inc QuickCAM 4D site licence)
- STEM Racing 4th Axis Car Manufacturing Conversion Kit
- 3D Scanning Attachment
- Integrated Dust Pro 100 Extraction Unit for Machine Bench
- Dust Pro 50 Extraction Unit
- Computer Support Extension for Machine Bench
- Large Format Vacuum Bed 1000 x 600mm / 39.37 x 23.62in OR 600 x 400mm / 23.62 x 15.75in
- Vacuum Pads
- Floating Head
- QuickCAM Pro Software

Please Note

For applications requiring tougher materials, such as steel, we recommend the **VMC 1300 Pro** for optimal performance.

Mechanical details

Machine Length (A)	1825mm	71.85in
Machine Depth (B)	985mm	38.78in
Machine Height (C)	1540mm	60.63in
Length with Optional PC Arm (D)	2410mm	94.88in
Height with Door Open (E)	2110mm	83.07in
Machine Weight	430kg	947.99lb
Table Size	1080 x 640mm	42.52 x 25.20in
Travel X Axis	1000mm	39.37in
Travel Y Axis	600mm	23.62in
Travel Z Axis	110mm	4.33in
Beam Clearance	148mm	5.83in
Max Spindle Speed (6600/ Pro)	25000/ 24000rpm	25000/ 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 Motors	Stepper	Stepper
Voltage	230V	110V
Current	8A	10A
Frequency	50/ 60 Hz	50/ 60 Hz



Machine Dimensions

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Large machining capacity



Resistant materials



High speed

Maximum capacity and performance for advanced CNC routing

The Router 6600 is Denford's largest CNC router, offering a high-speed, high-capacity solution for ambitious projects. Its expanded machining area supports multiple fixtures for various large projects and effortless cutting across woods, plastics, acrylics and foams - with the Pro version also handling non-ferrous metals.

Key Benefits:

- Largest machining area in the Denford range
- Ideal for large or varied project workflows
- Ideal for cabinet makers and other large projects
- Pro version adds non-ferrous metal capability



Machine bed with 4 additional Workholding Fixtures