


**DENFORD**

# VMC 1300

CNC MILLING MACHINE


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A 3 axis CNC milling machine available either floor standing or for bench mounting, with totally enclosed high visibility interlocking guard, suitable for all levels of education and training. Programmable spindle speeds and feedrates make the VMC 1300 ideal for cutting a range of resistant materials such as wax, plastic, acrylic, free cutting alloys, aluminium and steel. Also available for integration into FMS/CIM systems (additional equipment must be fitted at time of manufacture).

### THE VMC 1300 COMES AS STANDARD WITH:

VR CNC Milling Operating Software (PC not included).  
Installation and Instruction Manuals.  
Power Drawbar with Manual Actuation.  
Workholding Clamps  
USB Connection.

### OPTIONAL EQUIPMENT INCLUDES:

Table mounted 6 station automatic tool changer (which can be removed to enable full 375mm X axis travel), pneumatic vice and guard, spray mist coolant, and Universal Machine Bench. 4th Axis Programmable Rotary Fixture is also available.

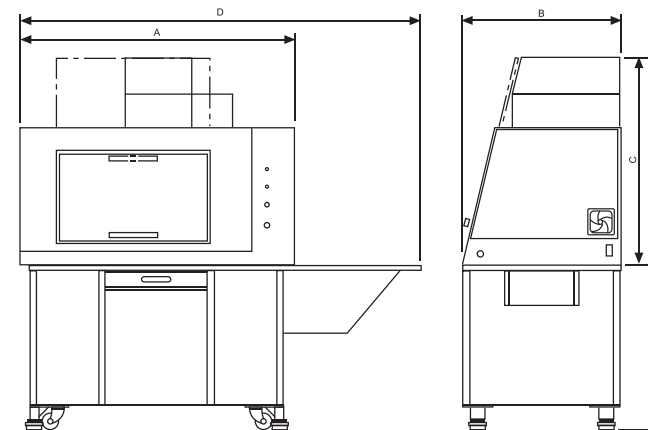
### SYSTEM REQUIREMENTS

Please refer to page 13.

### RECOMMENDED SOFTWARE PROGRAMS

All software necessary to control the VMC 1300 is included. Also included is a seat of QuickCAM 2D Design - an easy to use 2D CAD package.

- For 2D Designs - will link to packages able to export 2D dxf files such as QuickCAM 2D Design, TechSoft Design Tools - 2D Design, CorelDraw etc.
- For 3D Designs - will link to packages able to export STL files such as Pro/DESKTOP, ArtCAM and Autodesk Inventor SolidWorks etc. when used in conjunction with QuickCAM Pro.



Machine Dimensions.

Shown with optional universal bench and optional computer support extension. (PC not included)



MECHANICAL DETAILS	VMC1300	VMC1300 PRO
Machine Length (A)	1300mm - 51.18in	
Machine Depth (B)	750mm - 29.53in	
Machine Height (C)	1000mm - 39.37in	
Length with Optional PC Arm (D)	1900mm - 74.80lb	
Height with Optional Base (E)	1765mm - 69.49in	
Machine Weight	353kg - 778.23lb	
Machine Weight with Opt. Base	456kg - 1005.31lb	
Table Size	600 x 180mm - 23.62 x 7.09in	
Travel X Axis Without ATC	375mm - 14.76in	
Travel X Axis With ATC Fitted	250mm - 9.84in	
Travel Y Axis	150mm - 5.91in	
Travel Z Axis	235mm - 9.25in	
Table to Spindle	305mm - 12.01in	
Max. Spindle Speed	4000rpm	6000rpm
Max. Feed Rate	5000mm/min - 196.85in/min	
Max. 3D Profiling	4500mm/min - 177.17in/min	
Mains Supply Requirements* (* Alternative supplies available on request)	Single Phase	
Spindle Motor	1.1kW - 1.48HP	1.6kW - 2.15HP
Axes Motors	Stepper	
Volts	230Volts - 110/120VAC	
Amps	8Amps	10Amps
Hz	50/60Hz	
Electrical Connection	13A Socket	



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To get you up and running, Denford also offer a range of CNC Routers, Lasers, Milling Machines and Lathes, together with tooling packages, workholding kits and courseware.

Total Commitment to Manufacturing Technology in Education and Training Worldwide. ISO9001 compliant.

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