

**DENFORD**

# VMC 1300/1300 PRO

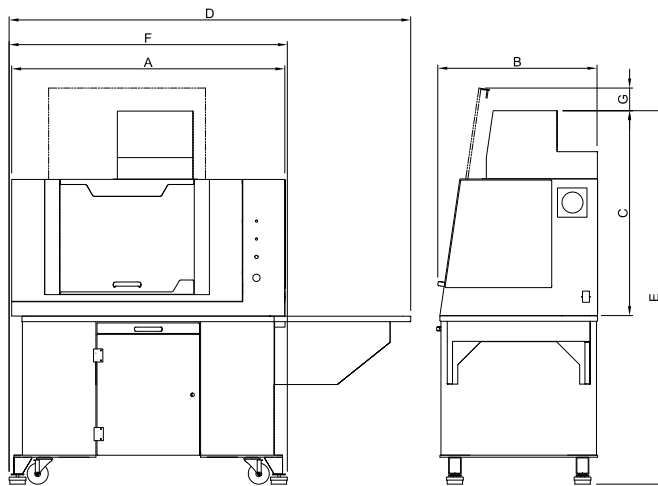
CNC MILLING MACHINE



**AVAILABLE WITH:**

- Flood Coolant & Industrial Cabinet Base
- 6 or 8 Station Automatic Tool Changer
- Automatic Lubrication System

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



Machine Dimensions.

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. The VMC 1300 Pro has a more powerful, higher speed spindle (6000 rpm) for heavy duty cutting. Now available with 6 or 8 Station Automatic Tool Changer and the option of Flood Coolant with Industrial Cabinet Base.



## VMC 1300/1300 PRO

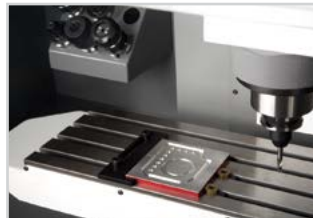
### THE VMC 1300/1300 PRO COME AS STANDARD WITH:

- VR CNC Milling Operating Software (PC not included).
- QuickCAM 2D Design software (1 seat)
- Power Drawbar with Manual Actuation.
- Workholding Clamps
- Installation and Instruction Manuals.
- USB Connection.

NB The Flood Coolant model comes complete with Industrial Cabinet Base

### OPTIONAL EQUIPMENT INCLUDES:

Table Mounted 6 or 8 Station Automatic Tool Changer (which can be removed to enable full 375mm X axis travel), Pneumatic Vice and Guard, Spray Mist Coolant, Automatic Lubrication System and 4th Axis Programmable Rotary Fixture (not available with flood coolant model).



### SYSTEM REQUIREMENTS

Please refer to page 29.

### RECOMMENDED SOFTWARE PROGRAMS

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

• 2D Designs: The VR Milling software can import DXF, DWG, EPS and Gerber files in addition to G & M code programs and as such will link with programs such as Techsoft 2D Design and CorelDraw.

• 3D Designs: To enable import of STL files from 3D design packages such as Autodesk Inventor, SolidWorks, Pro/DESKTOP & ArtCAM, QuickCAM Pro software is required [see pages 42 - 43].

MECHANICAL DETAILS	VMC 1300	VMC 1300 PRO
Machine Length (A)	1300mm	
Machine Depth (B)	750mm	
Machine Height (C)	1325mm	
Length with Optional PC Arm (D)	1910mm	
Machine Height with Optional Base (E)	1765mm	
Machine Length with Optional Base (F)	1330mm	
Additional Height door open (G)	65mm	
Machine Weight	353kg	
Machine Weight with Opt. Base	456kg	
Table Size	600 x 180mm	
Travel X Axis Without ATC	375mm	
Travel X Axis With ATC Fitted	250mm	
Travel Y Axis	160mm	
Travel Z Axis	235mm	
Table to Spindle	305mm	
Max. Spindle Speed	4000rpm	6000rpm
Max. Feed Rate	5000mm/min	
Max. 3D Profiling	4500mm/min	
Mains Supply Requirements* [* Alternative supplies available on request]	Single Phase	
Spindle Motor	1.1kW	1.6kW
Axes Motors	Stepper	
Volts	230VAC	
Amps	8 Amps	10 Amps
Hz	50 Hz	
Electric Connection	13A Socket	