

VMC 1300 Pro

CNC Milling Machine with optional Flood Coolant



Industrial-level CNC milling in an education-ready format

The Denford VMC 1300 Pro is a versatile 3-axis CNC milling machine suitable for all levels of learning and is available as desktop or bench-mounted configurations. With a powerful spindle, optional coolant systems and tool changers, it brings true industrial milling capability into the classroom.

Key Benefits:

- Cuts wax, plastics, acrylics, non-ferrous and ferrous metals
- Optional spray-mist or flood coolant
- 6 or 8 station automatic tool changer options
- Fully enclosed with high-visibility guarding



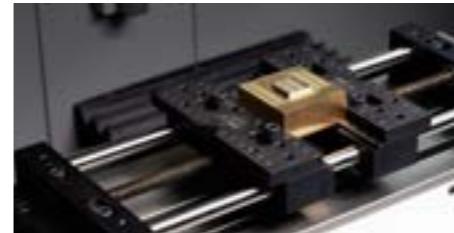
VMC 1300 PRO

Technical information

Equipment as standard

- VR CNC Milling Operating Software
- QuickCAM 2D Design Software (1 seat)
- Power Drawbar with Manual Actuation
- Workholding Clamps
- Installation and Instruction Manuals
- Ethernet or USB Connection
- *PC Not Included

The Flood Coolant model comes complete with Industrial Cabinet Base



Brass block in a Self-Centring Vice

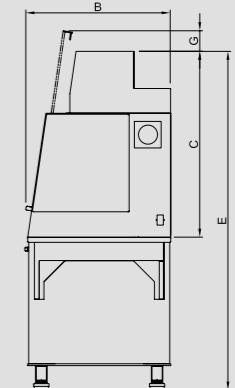
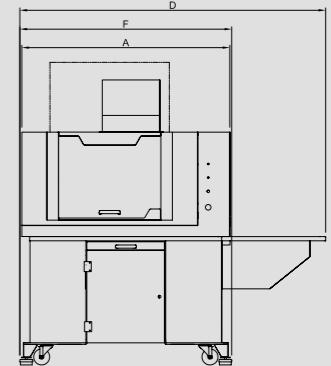
Optional extras

- Recommended Set of Tools
- Recommended Set of Toolholders
- Self-Centring Vice
- 6 or 8 Station Automatic Tool Changer (which can be removed to enable full 375mm X axis travel)*
- Spray Mist* or Flood Coolant
- Automatic Lubrication System
- 4th Axis Programmable Rotary Fixture (Inc QuickCAM 4D site licence) Not available with Flood Coolant
- Machine Bench (Flood Coolant model comes as standard with Industrial Cabinet Base)
- Computer Support Extension for Machine Bench/Cabinet Base
- Pneumatic Vice*
- Pneumatic Guarding*
- QuickCAM Pro Software

*Requires Compressed Air

Mechanical details

| | | |
|---------------------------------------|--------------|----------------|
| Machine Length (A) | 1300mm | 51.18in |
| Machine Depth (B) | 750mm | 29.53in |
| Machine Height (C) | 1325mm | 52.17in |
| Length with Optional PC Arm (D) | 1910mm | 75.20in |
| Machine Height with Optional Base (E) | 1765mm | 69.49in |
| Machine Length with Optional Base (F) | 1330mm | 52.36in |
| Additional Height Door Open (G) | 65mm | 2.56in |
| Machine Weight | 353kg | 778.23lb |
| Machine Weight with Optional Base | 456kg | 1005.3lb |
| 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 | 160mm | 6.30in |
| Travel Z Axis | 235mm | 9.25in |
| Table to Spindle | 305mm | 12.01in |
| Max Spindle Speed | 6000rpm | 6000rpm |
| Max Feed Rate | 5000mm/min | 196.85in/min |
| Max 3D Profiling | 4500mm/min | 17717in/min |
| Mains Supply Requirements | Single Phase | Single Phase |
| Spindle Motor | 1.6kW | 2.15HP |
| Axes Motors | Stepper | Stepper |
| Voltage | 230V | 110V |
| Current | 10A | 15A |
| Frequency | 50 / 60Hz | 50 / 60Hz |



Machine Dimensions