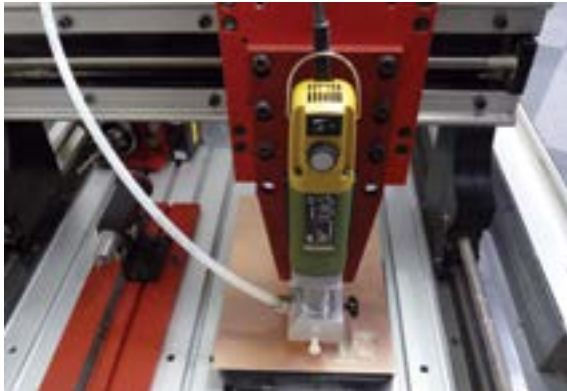


## Router Accessories

FLOATING HEAD, SELF CENTRING VICE, VACUUM BEDS, CLAMPING KITS, FIXTURES AND DUST EXTRACTION UNITS



### PCB Production with a Floating Head

Denford's 'Floating Head' option permits manufacture of PCB's and engraving of uneven surfaces, and is ideal for batch manufacture of PCB boards.

The floating head comes complete with a quick change facility for a swift interchange with the standard issue router motor.

The cutting tool profiles around the outside of the tracks creating an isolation gap. The weight of the spindle motor plunges the cutter into the PCB board, and depth is set by a plastic disc that floats on the material surface. A float up to 5mm is possible using this technology.



### DUST PRO 100 EXTRACTION UNIT

Denford's Large Capacity Dust Extraction system is a purpose-designed dust control system for use with the MRC 40, Compact 1000 Pro, Router 2600/Pro/ATC & Router 6600/Pro/ATC. It can be used as a stand-alone unit, or incorporated within Denford's Universal Machine Bench, as shown above.

The unit is highly effective in removing airborne dust and light particles produced during machining, and is recommended for schools where MDF is regularly used. The unit comes ready to use including a removable / reusable dust collection bag and separate HEPA filter.

Dimensions: H530mm W460mm D670mm  
H20.87in W18.11in D26.38in

**NEW**



### SELF CENTRING VICE

140 x 345mm flat precision vice with low physical height offering a maximum clamping width of 222mm.

Supplied with mountings for Denford Route T-Slot tables and additional V-type steel vice jaws for holding round work-pieces.

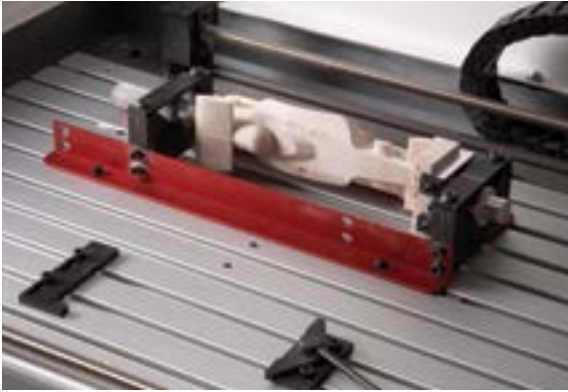


### DUST PRO 50 EXTRACTION UNIT

Particle and dust extraction unit suitable for use with the MRC 40, Compact 1000 Pro and Router 2600/Pro/ATC. This purpose designed unit is ideal for extraction of airborne dust created during the manufacturing process, and also to vacuum the machine after the cutting process is complete.

The unit comes complete with castors, flexible hose and fittings.

Dimensions: H530mm W300mm D300mm  
H20.87in W11.81in D11.81in



### F1 IN SCHOOLS CAR FIXTURE

The F1 in Schools Car Manufacturing Fixture to enable the manufacture of Formula 1® Class cars. The fixture clamps directly to the T-slotted table on the MRC 40\*, Compact 1000 Pro, Router 2600/Pro/ATC, Router 6600/Pro/ATC and Vertical Router. It is also suitable for use on the VMC 1300.

\*T-slotted table not standard equipment with MRC 40.



### ADDITIONAL CLAMPING KIT

Additional Clamping Kit includes 2 Parallel Clamping Rails with T-Nuts, (allowing the workpiece to be raised from the bed, to permit 'through' machining), 1 additional L Bracket and Lever Clamp with T-Nuts.



### LARGE FORMAT VACUUM BED

Suitable for use with the Router 2600/Pro/ATC, Router 6600/Pro/ATC and the Vertical Router, the large format bed is supplied with an external vacuum pump. Suitable for 'blind' machining and 'through' machining when used with sacrificial mat.

It is available in 2 sizes:

- 600 x 400mm - 23.62 x 15.75in: Router 2600/Pro/ATC, Router 6600/Pro/ATC.
- 1000 x 600mm - 39.37 x 23.62in: Router 6600/Pro/ATC [as shown above] and Vertical Router.

Requires single phase, 16A supply protected by either a fuse or an MCB C Type



### VACUUM PADS

Vacuum Pads are suitable for the MRC 40, Compact 1000 Pro, Router 2600/Pro/ATC and Router 6600/Pro/ATC. The package includes 2 vacuum pads and an integral vacuum pump.

Suitable for 'blind' machining only.

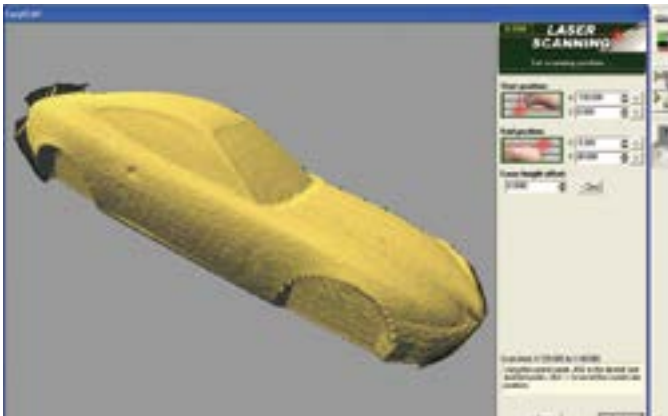


## EasySCAN 3D Scanner

3D SCANNING ATTACHMENT & SOFTWARE FOR DENFORD ROUTERS



1. Select and scan the model



2. Manipulate scan data



3. Manufacture on a Denford CNC Router



4. Completed model

Denford's EasySCAN 3D Scanner attachment has full 360 degree scanning capability when used in conjunction with Denford's Rotary Fixture, and is suitable for use with the entire range of Denford CNC Routers.

The EasySCAN 3D package incorporates user friendly, wizard based software for scanning, editing and saving 3D models, prior to manufacture on a Denford CNC Router.

EasySCAN 3D is ideal for Reverse Engineering applications.

3D Scanning & Manufacturing Package  
see pages 64 - 65.

# 4th Axis Programmable Rotary Fixture

COMPLETE WITH QUICKCAM 4D MILLING SOFTWARE

## 4TH AXIS PROGRAMMABLE ROTARY FIXTURE



for use with  
MRC 40  
Compact 1000 Pro  
Router 2600/Pro/ATC  
Router 6600/Pro/ATC  
Vertical Router  
(also available for  
VMC1300/Pro with the  
exception of flood coolant models).

## SYSTEM REQUIREMENTS

IBM or 100% Compatible PC,  
Pentium III, 1Ghz, 512MB RAM,  
200MB Free Hard Disk Space,  
Microsoft Windows XP; NT; 2000; Vista; Windows 7, 8 & 10  
CD-ROM Drive,  
OpenGL 3D Accelerator Graphics Card with 128MB  
RAM supporting at least 1024 x 768 screen resolution.  
CNC Machines require USB Connection.  
EasySCAN requires 1 USB Connection

## QUICKCAM 4D MILLING SOFTWARE

(Supplied FREE with the Denford 4th Axis Programmable Rotary Fixture.)

An easy to use, wizard based CAM package specifically designed for use with the Denford 4th Axis Programmable Rotary Fixture. QuickCAM 4D Milling imports 3D files from most 3D CAD packages and converts these into 4th axis CNC program data for output to the range of Denford CNC Routers. Users are guided through a series of simple steps, defining billet size, model orientation, machining strategy and axis of rotation before generating the appropriate CNC output file.

## QUICKCAM 4D MILLING FEATURES

True 3 Dimensional model-making capabilities. Seamless integration with VR CNC Milling software. Circular, spiral and linear machining strategies. User definable limits allow for workholding avoidance. Supports both roughing and finishing paths. Resize, orientate and centre the model. Autoscale of model to fit the workpiece.

## SUPPORTED OUTPUT FORMATS

CNC controllers for Denford CNC Routers.

## SUPPORTED INPUT FORMATS

3D Stereo Lithography \*(STL) files

\*Used by 3D design packages such as Autodesk Inventor, Solid Works, Pro/DESKTOP and ArtCAM.

