DENFORD

Price List

CAD/CAM Solutions & Projects for Education

COMING SOON

UP mini 2
Affordable, easy-to use 3D Printer

- Build Volume: 120 x 120 x 120mm
- Touch Screen Control
- WIFI Connection
- Built-in HEPA Air Filtration
- Separate Spool Container with Built-in Toolbox

MAY 2016 EDITION

Denford are the proud sponsors of:

F1 IN SCHOOLS · LAND ROVER ABOVE & BEYOND · 4 IN SCHOOLS technology challenge · eim ENGINEERING IN MOTION · JAGUAR Primary School Challenge

INNOVATIVE EDUCATIONAL PROJECTS

Machines

Description	Product Code	Price (£)
CNC Routers		
PCB Engraver	PCE001000	£3,835.00
MRC 40	MRC004000	£5,795.00
Compact 1000 Pro	MRC003000	£10,550.00
Router 2600	MRP002000	£12,550.00
Router 2600 Pro	MRP003000	£13,950.00
Router 2600 ATC	MRP004000	£16,200.00
Router 6600	MRF002000	£18,550.00
Router 6600 Pro	MRF003000	£20,895.00
Router 6600 ATC	MRF004000	£22,810.00
Vertical Router	MRV001000	£27,599.00
(Router accessories please see pages 6-9)		
CNC Milling Machines		
VMC 1300	VMC001000	£17,500.00
VMC 1300 Pro	VMC003000	£20,235.00
VMC 1300 Fitted with Flood Coolant and Cabinet Base	VMC001000F	£20,895.00
VMC 1300 Pro Fitted with Flood Coolant and Cabinet Base	VMC003000F	£23,575.00
Micromill	MM000800	£5,799.00
(Milling accessories please see pages 10-11)		
CNC Lathes		
Turn 270 Pro Fitted with Quick Change Tool Post	TRN003000M	£12,499.00
Turn 270 Pro Fitted with 8 Station Turret	TRN003000A	£13,225.00
Turn 370 Pro Fitted with Quick Change Tool Post, Flood Coolant and Cabinet Base	TRN003700M	£21,490.00
Turn 370 Pro Fitted with 8 Station Turret, Flood Coolant and Cabinet Base	TRN003700A	£22,425.00
Microturn	MT000800	£5,350.00
(Turning accessories please see page 12-15)		

Software

Description	Product Code	Price (£)
LaserCAM 2D Design		
Site Licence	BI02006	£170.00
QuickCAM 2D Design		
Single Seat	BI02005	£170.00
Site Licence	BI02005A	£560.00
Upgrade from single seat to site licence	BI02005B	£390.00
V-Carve Extension to QuickCam 2D Design	BI02005V	£105.00
QuickCAM Pro		
Site Licence	BI01806P	£320.00
QuickCAM 4D		
Site Licence	BI01806R	£335.00
VR CNC Milling 5.0		
Single Seat	BI02004	£285.00
Site Licence	BI02004A	£850.00
QuickTURN 2D Design		
Single Seat	BI02007	£170.00
Site Licence	BI02007A	£560.00
Upgrade from single seat to site licence	BI02007B	£390.00
VR CNC Turning		
Single Seat	BI02001	£285.00
Site Licence	BI02001C	£850.00
Combined VR CNC Milling & VR CNC Turning		
Site Licence	BI02002C	£1,350.00
Virtual Wind Tunnel		
Single Seat	BI01841	£250.00
5 User Licence	BI01841A	£400.00
Site Licence	BI01841C	£650.00

Curriculum Resources

F1 in Schools Curriculum Resource Subscription

Description	Product Code	Price (£)
The F1 in Schools Curriculum Resource is a set of on-line cross-curricular materials to help you run a project based on the popular F1 in Schools Challenge. Designed for pupils aged between 9 and 19, it includes fully-resourced session plans - everything you need for running the project in your school. Available in three editions:		Site Licence Per Annum
11-14 Bloodhound SSC Class	F1SCR9	£295.00
11-14 F1 Class	F1SCR11	£295.00
14-19 F1 Class	F1SCR15	£295.00
Purchase all 3 Packages for the Discounted Price of: £695.00		

Race to Learn Software

An exciting cross-curricular primary teaching resource, which promotes group learning, with real-life context of Formula One Racing.{Williams F1 in association with Cambridge University Press}	R2LS	£150.00

3D Scanning Systems

Description	Product Code	Price (£)
NEXTENGINE		
NextEngine HD Scanner Including Automated Positioner & ScanStudio HD	NXHDS	£3,085.00
NextEngine ScanStudio CAD Tools	NXSCAD	£1,045.00
NextEngine RapidWorks	NXRPW	£3,085.00
Prices may be subject to revision without notice, due to exchange rate fluctuations.		

Machine Benches

Description	Product Code	Price (£)
Universal Machine Bench (stand alone)	VMC/0600WB	£1,110.00
Computer Support Extension.	VMC/0602	£160.00
Integrated Dust Pro 100 Extraction Unit	ADVXU	£1,070.00
For integrated machine benches, see individual machine accessories.		

PCB Engraving Accessories
& Basic Tooling Packages

Description	Product Code	PCB Engraver	Price (£)
PCB Engraver			
Engraving Cutter 0.4mm 1/8" Shank	BI00810	•	£21.00
PCB Track Cutter 0.5mm for use with Floating Head	BI00811W	•	£39.00
Dust Pro 50 Extraction Unit	DP-50	•	£555.00
HSS Drill Bits 0.5mm – Pack of 3	PCBT05	•	£5.50
HSS Drill Bits 0.8mm – Pack of 3	PCBT08	•	£5.50
HSS Drill Bits 1.0mm – Pack of 3	PCBT10	•	£5.50
HSS Drill Bits 1.2mm – Pack of 3	PCBT12	•	£5.50
Replacement Sacrificial Table for PCB Engraver	PCB/0303	•	£27.00
Spare Spindle Motor	BI00307FH	•	£151.00

MRC 40 Accessories
& Basic Tooling Packages

Description	Product Code	Price (£)
MRC 40		
Resources Pack for MRC 40 Including: Engraving Cutter 0.8mm (1/32") 1/8" Shank 45 Degree (BI00810A) 1/4" Dia Ball Nose L/S 2FL Cutter (Solid Carbide) (BI00811FX) Engraving Cutter 0.4mm (1/64") 1/8" Shank 45 Degree (BI00810) Carbide Tip Cutter - 1/8" Dia x 1/4" Shank 2 Flute (BI00846A) Protofoam Billet 3" x 2.75" x 0.75" (BI03508P) x 5 Cast Acrylic Sheet: 3mm Sky Blue 100 x 100mm (BI03522G) x 5 Cast Acrylic Sheet: 3mm White 100 x 100mm (BI03522H) x 5 50mm Wide Duck Tape (Double Sided) (BI03502B) 3.175mm Collet for Kress Motor (BI00307KC3175)	MRC101	£194.00
Set of Additional Workholding Clamps & Parallel Rails*	MRC/0500A	£248.00
Self-Centring Vice*	MRP/0600A	£335.00
Dust Pro 50 Extraction Unit	DP-50	£555.00
F1 in Schools Car Manufacturing Fixture (Bloodhound SSC & Formula One Class Cars)*	NR1/0400UA	£745.00
4th Axis F1 in Schools Car Manufacturing Conversion Kit.	FR1/0900C	£252.00
Aluminium T Slot Table & Clamping Kit	MRC/0305A	£290.00
Spare Spindle Motor (Kress 530 FME)	BI00307K5S	£196.00
Vacuum Pads x 2 (includes Integral Pump)	MRC/0500D	£770.00
Additional Vacuum Pad with T Piece	MRC/0500S	£126.00
Floating Head for PCB Manufacture (MRC 40)	FH1/0100	£1,105.00
Universal Bench & Computer Support for MRC 40 & Compact 1000	MRCWB	£1,250.00
Option for Universal Bench – Integrated Dust Pro 100 Extraction Unit	ADVXU	£1,070.00
4th Axis Programmable Rotary Fixture inc. QuickCAM 4D (Site Licence) (Requires Aluminium T Slot Table & Clamping Kit MRC/0305A)	MRP/0900	£3,185.00
EasySCAN 3D Scanning Attachment	BI00891	£3,660.00
* Suitable for mounting to aluminium T-Slot table.		

Routing Accessories
& Basic Tooling Packages

Description	Product Code	Compact 1000Pro	Price (£)
Compact 1000 Pro			
Recommended Tooling Package: 1/8" Dia x 1/4" Shank 2 Flute Cutter, 1/8" Dia x 1/4" Shank Ball Nose Cutter, 1/4" Dia x 1/4" Shank 2 Flute Cutter, 1/4" Dia x 1/4" Shank Ball Nose Cutter, 60 Degree V Cutter x 1/4" Shank.	BI00846	•	£133.00
Self-Centring Vice	MRP/0600A	•	£335.00
4th Axis Programmable Rotary Fixture inc. QuickCAM 4D (Site Licence).	MRP/0900	•	£3,185.00
EasySCAN 3D Scanning Attachment.	BI00891	•	£3,660.00
Floating Head for Compact 1000 Pro (not available as retrofit)	FH1/0100P	•	£1,250.00
Vacuum Pads x2 (includes integral pump).	MRC/0500D	•	£770.00
Universal Machine Bench complete with Computer Support Extension.	MRCWB	•	£1,250.00
Universal Machine Bench Option - Integrated Dust Pro 100 Extraction Unit	ADVXU	•	£1,070.00
Dust Pro 50 Extraction Unit.	DP-50	•	£555.00
F1 in Schools Car Manufacturing Fixture (Bloodhound SSC & Formula One Class Cars).	NR1/0400UA	•	£745.00
4th Axis F1 in Schools Car Manufacturing Conversion Kit.	FR1/0900C	•	£252.00
13 Piece Metrology Tool Set	BI00880	•	£195.00

Router 2600/2600 Pro/2600 ATC	Product Code	Router 2600	Router 2600 Pro	Router 2600 ATC	Price (£)
Recommended Tooling Package: 1/8" Dia x 1/4" Shank 2 Flute Cutter, 1/8" Dia x 1/4" Shank Ball Nose Cutter, 1/4" Dia x 1/4" Shank 2 Flute Cutter, 1/4" Dia x 1/4" Shank Ball Nose Cutter, 60 Degree V Cutter x 1/4" Shank.	BI00846	•	•	•	£133.00
Self-Centring Vice	MRP/0600A	•	•	•	£335.00
4th Axis Programmable Rotary Fixture inc. QuickCAM 4D (Site Licence).	MRP/0900	•	•	•	£3,185.00
EasySCAN 3D Scanning Attachment.	BI00891	•	•	•	£3,660.00
Floating Head for Router 2600 (not available as retrofit)	FH1/0100	•			£1,105.00
Floating Head for Router 2600 Pro (not available as retrofit)	FH1/0100P		•		£1,250.00
Large Format Vacuum Bed (includes external pump).	MRP/0500B	•	•	•	£2,548.00
Vacuum Pads x2 (includes integral pump).	MRC/0500D	•	•	•	£770.00
Universal Machine Bench.	VMC/0600B	•	•	•	£1,110.00
Universal Machine Bench Option - Computer Support Extension.	VMC/0602	•	•	•	£160.00
Universal Machine Bench Option - Integrated Dust Pro 100 Extraction Unit	ADVXU	•	•	•	£1,070.00
Dust Pro 50 Extraction Unit.	DP-50	•	•	•	£555.00
F1 in Schools Car Manufacturing Fixture (Bloodhound SSC & Formula One Class Cars).	NR1/0400UA	•	•	•	£745.00
4th Axis F1 in Schools Car Manufacturing Conversion Kit.	FR1/0900C	•	•	•	£252.00
Spare Spindle Motor (Kress 1050 FME)	BI00307K10S	•			£237.00
Air Compressor (10 bar)	BI01462HP			•	£654.00
13 Piece Metrology Tool Set	BI00880	•	•	•	£195.00

Additional Routing Tooling

Description	Product Code	Compact 1000Pro	Router 2600	Router 2600Pro	Router 2600ATC	Price (£)
Set of Additional Workholding Clamps and Parallel Rails.	MRC/0500A	•				£248.00
Set of Additional Workholding Clamps and Parallel Rails.	MRP/0500		•	•	•	£248.00
Additional Vacuum Pad with T Piece	MRC/0500S	•	•	•	•	£126.00
Solid Carbide Tools						
Photo Engraving Cutter 1/4" Shank, 45 Degree	BI00811Y	•	•	•	•	£26.00
PCB Engraving Cutter 1/4" Shank, 30 Degree	BI00811Z	•	•	•	•	£27.00
1/4" Dia Ball Nose Extra Long Series Cutter	BI00811FX	•	•	•	•	£51.50
Carbide Tipped Tools						
Straight 2 Flute 2mm Dia - 1/4" Shank	BI00812A	•	•	•	•	£44.00
Straight 2 Flute 3mm Dia - 1/4" Shank	BI00812B	•	•	•	•	£28.00
Straight 2 Flute 4mm Dia - 1/4" Shank	BI00812C	•	•	•	•	£28.00
Straight 2 Flute 5mm Dia - 1/4" Shank	BI00812D	•	•	•	•	£31.00
Straight 2 Flute 6mm Dia - 1/4" Shank	BI00812E	•	•	•	•	£34.00
Straight 2 Flute 7mm Dia - 1/4" Shank	BI00812F	•	•	•	•	£34.00
Straight 2 Flute 8mm Dia - 1/4" Shank	BI00812G	•	•	•	•	£33.00
Straight 2 Flute 1/8" Dia x 1/4" Shank	BI00846A	•	•	•	•	£29.00
Ball Nose 1/8" Dia x 1/4" Shank	BI00846B	•	•	•	•	£31.00
Straight 2 Flute 1/4" Dia x 1/4" Shank	BI00846C	•	•	•	•	£27.00
Ball Nose 1/4" Dia x 1/4" Shank	BI00846D	•	•	•	•	£31.00
60 Degree V Cutter 1/4" Shank	BI00846E	•	•	•	•	£26.00
High Speed Steel Tools						
Ball Nose 3mm Dia Long Series 6mm Shank	BI00811L	•		•	•	£31.00
Ball Nose 5mm Dia Long Series 6mm Shank	BI00811M	•		•	•	£31.00
Ball Nose 6mm Dia Long Series 6mm Shank	BI00811K	•		•	•	£31.00
Set of 6 H.S.S Slot Drills (2,3,4,6,8 &10mm)	BI00811B	•		•		£113.00
Set of 4 H.S.S Slot Drills (2,3,4, & 6mm)	BI00309SDS				•	£113.00
Collets						
6 - 7mm Dia Collet to suit ER20 Collet Chuck	BI00870V	•		•		£27.00
7 - 8mm Dia Collet to suit ER20 Collet Chuck	BI00870G	•		•		£27.00
9 - 10mm Dia Collet to suit ER20 Collet Chuck	BI00870K	•		•		£27.00
12 - 13mm Dia Collet to suit ER20 Collet Chuck	BI00870W	•		•		£27.00
3mm Collet for Kress Motor	BI00307KC3		•			£34.00
1/8" Collet for Kress Motor	BI00307KC3175		•			£34.00
6mm Collet for Kress Motor	BI00307KC6		•			£34.00
1/4" Collet for Kress Motor	BI00307KC635		•			£34.00
Toolholders for ATC						
SK11 Toolholder	BI00309SK11				•	£144.00
3.5mm Collet ER11	BI00700C35				•	£27.00
6mm Collett ER11	BI00700C60				•	£27.00
6.5mm Collet ER11	BI00700C65				•	£27.00

Large Format Routing Accessories
& Basic Tooling Packages

Description	Product Code	Router 6600	Router 6600 Pro	Router 6600 ATC	Price (£)
Router 6600/6600 Pro/6600 ATC					
Recommended Tooling Package: 1/8" Dia x 1/4" Shank 2 Flute Cutter, 1/8" Dia x 1/4" Shank Ball Nose Cutter, 1/4" Dia x 1/4" Shank 2 Flute Cutter, 1/4" Dia x 1/4" Shank Ball Nose Cutter, 60° V Cutter x 1/4 " Shank.	BI00846	•	•	•	£133.00
Self-Centring Vice	MRP/0600A	•	•	•	£335.00
4th Axis programmable Rotary Fixture inc. QuickCAM 4D (Site Licence)	MRP/0900	•	•	•	£3,185.00
EasySCAN 3D Scanning Attachment	BI00891	•	•	•	£3,660.00
Floating Head for Router 6600 (not available as retrofit)	FH1/0100	•			£1,105.00
Floating Head for Router 6600 Pro (not available as retrofit)	FH1/0100P		•		£1,250.00
Large Format Vacuum Bed - 1000 x 600mm (includes external pump)	MRF/0500A	•	•	•	£3,320.00
Large Format Vacuum Bed - 600 x 400mm (includes external pump)	MRF/0500B	•	•	•	£2,548.00
Vacuum Pads x 2 (includes integral pump)	MRC/0500D	•	•	•	£770.00
Computer Support Extension	VMC/0602	•	•	•	£160.00
Integrated Dust Pro 100 Extraction Unit	ADVXU	•	•	•	£1,070.00
High Volume, Floor Standing Dust Extraction Unit - 540 Cubic Metres/Hour	BI00843FB	•	•	•	£1,932.00
F1 in Schools Car Manufacturing Fixture (for both Bloodhound SSC & Formula One Class Cars)	NR1/0400UA	•	•	•	£745.00
4th Axis F1 in Schools Car Manufacturing Conversion Kit	FR1/0900C	•	•	•	£252.00
Spare Spindle Motor (Kress 1050 FME)	BI00307K10S	•			£237.00
Air Compressor (10 bar)	BI01462HP			•	£654.00
13 Piece Metrology Tool Set	BI00880	•	•	•	£195.00

Vertical Router	**Product Code**	**Vertical Router**	**Price (£)**
Recommended Tooling Package: 1/8" Dia x 1/4" Shank 2 Flute Cutter, 1/8" Dia x 1/4" Shank Ball Nose Cutter, 1/4" Dia x 1/4" Shank 2 Flute Cutter, 1/4" Dia x 1/4" Shank Ball Nose Cutter, 60 Degree V Cutter x 1/4" Shank.	BI00846	•	£133.00
Self-Centring Vice	MRP/0600A	•	£335.00
4th Axis Programmable Rotary Fixture inc. QuickCAM 4D (Site Licence).	VR1/0900	•	£4,025.00
Large Format Vacuum Bed (1 Pump, 1 Bed 1000 x 600mm)	VR1/0500B	•	£3,327.00
High Volume, Floor Standing Dust Extraction Unit - 1710 Cubic Metres/Hour (Requires hard wired 240V 16A Supply).	BI00843G	•	£2,335.00
Hinged Computer Shelf (For Laptop).	VR1/0400A	•	£200.00
F1 in Schools Car Manufacturing Fixture (Bloodhound SSC & Formula One Class Cars).	NR1/0400UA	•	£745.00
4th Axis F1 in Schools Car Manufacturing Conversion Kit.	FR1/0900C	•	£252.00
Spare Spindle Motor.	BI00307MA	•	£640.00
13 Piece Metrology Tool Set	BI00880	•	£195.00

Additional Routing Tooling

Description	Product Code	Router 6600	Router 6600 PRO	Router 6600 ATC	Vertical Router	Price (£)
Additional Workholding Clamps and Parallel Rails	MRP/0500	•	•	•		£248.00
Additional Vacuum Pad with T Piece	MRC/0500S	•	•	•		£126.00
Solid Carbide Tools						
Photo Engraving Cutter 1/4" Shank, 45 Degree	BI00811Y	•	•	•	•	£26.00
PCB Engraving Cutter 1/4" Shank, 30 Degree	BI00811Z	•	•	•	•	£27.00
1/4" Dia Ball Nose Extra Long Series Cutter	BI00811FX	•	•	•	•	£51.50
Carbide Tipped Tools						
Straight 2 Flute 2mm Dia - 1/4" Shank	BI00812A	•	•	•	•	£44.00
Straight 2 Flute 3mm Dia - 1/4" Shank	BI00812B	•	•	•	•	£28.00
Straight 2 Flute 4mm Dia - 1/4" Shank	BI00812C	•	•	•	•	£28.00
Straight 2 Flute 5mm Dia - 1/4" Shank	BI00812D	•	•	•	•	£31.00
Straight 2 Flute 6mm Dia - 1/4" Shank	BI00812E	•	•	•	•	£34.00
Straight 2 Flute 7mm Dia - 1/4" Shank	BI00812F	•	•	•	•	£34.00
Straight 2 Flute 8mm Dia - 1/4" Shank	BI00812G	•	•	•	•	£33.00
Straight 2 Flute 1/8" Dia x 1/4" Shank	BI00846A	•	•	•	•	£29.00
Ball Nose 1/8" Dia x 1/4" Shank	BI00846B	•	•	•	•	£31.00
Straight 2 Flute 1/4" Dia x 1/4" Shank	BI00846C	•	•	•	•	£27.00
Ball Nose 1/4" Dia x 1/4" Shank	BI00846D	•	•	•	•	£31.00
60 Degree V Cutter 1/4" Shank	BI00846E	•	•	•	•	£26.00
High Speed Steel Tools						
Ball Nose 3mm Dia Long Series 6mm Shank	BI00811L		•	•		£31.00
Ball Nose 5mm Dia Long Series 6mm Shank	BI00811M		•	•		£31.00
Ball Nose 6mm Dia Long Series 6mm Shank	BI00811K		•	•		£31.00
Set of 6 H.S.S Slot Drills (2,3,4,6,8 &10mm)	BI00811B		•			£113.00
Set of 4 H.S.S Slot Drills (2,3,4, & 6mm)	BI00309SDS			•		£113.00
Collets						
6 - 7mm Dia Collet to suit ER20 Collet Chuck	BI00870V		•			£27.00
7 - 8mm Dia Collet to suit ER20 Collet Chuck	BI00870G		•			£27.00
9 - 10mm Dia Collet to suit ER20 Collet Chuck	BI00870K		•			£27.00
12 - 13mm Dia Collet to suit ER20 Collet Chuck	BI00870W		•			£27.00
3mm Collet for Kress Motor	BI00307KC3	•				£34.00
1/8" Collet for Kress Motor	BI00307KC3175	•				£34.00
6mm Collet for Kress Motor	BI00307KC6	•				£34.00
1/4" Collet for Kress Motor	BI00307KC635	•				£34.00
Toolholders for ATC						
SK11 Toolholder	BI00309SK11			•		£144.00
3.5mm Collet ER11	BI00700C35			•		£27.00
6mm Collett ER11	BI00700C60			•		£27.00
6.5mm Collet ER11	BI00700C65			•		£27.00
Spindle Collet Nuts & Sleeves						
1/4" Dia Collet Nut	BI00307NC				•	£25.00
1/2" Dia Collet Nut	BI00307ND				•	£25.00
6mm Dia Collet Nut	BI00307NCM				•	£43.00
1/8" Dia Sleeve to suit 1/2" Collet	NR1/0113A				•	£56.00
3mm Dia Sleeve to suit 1/2" Collet.	NR1/0115A				•	£51.00
6mm Dia Sleeve to suit 1/2" Collet.	NR1/0115B				•	£51.00

Milling Accessories
& Basic Tooling Packages

Description	Product Code	Micromill	Price (£)
Micromill			
Tooling Package: 3 x 6mm Dia Toolholders, 2mm Dia Slot Drill, 4mmDia Slot Drill, 6mm Dia H.S.S. Slot Drill.	BI00811TP	•	£195.00
Milling Vice.	BI00859A	•	£139.00
VMC1300 / PRO (Including machines fitted with flood coolant)	**Product Code**	**VMC 1300/PRO**	**Price (£)**
Recommended set of tools comprising: 3mm Long Series Ball Nose, 2mm, 4mm & 6mm Slot Drill, 20mm End Mill.	VMC/0500RT	•	£190.00
Recommended set of toolholders comprising: 2 x 6mm & 1 x 20mm Sidelock Holders, 2 x ER32 Collet Chucks with 2 x 6-7mm Collets, 1 x ER32 Collet Spanner, 1 x Hook Spanner to grip spindle while tightening collets.	VMC/0500RH	•	£675.00
Self-Centring Vice	MRP/0600A	•	£335.00
Spray Mist Coolant (factory fitted and requires compressed air). N.B. Not available on machines fitted with Flood Coolant.	VMC/1000C	•	£760.00
Replacement Fluid for Spray Mist Coolant 16 fl oz	BI01121PC	•	£27.00
Automatic Lubrication System	VMC/1000A	•	£1,390.00
6 Station Automatic Toolchanger (requires compressed air 80psi)	VMC/0700A	•	£2,755.00
8 Station Automatic Toolchanger (requires compressed air 80psi)	VMC/0700A8	•	£3,335.00
4th Axis Programmable Rotary Fixture inc. QuickCAM 4D (Site Licence) N.B. Not available on machines fitted with Flood Coolant.	VMC/0900	•	£3,340.00
4th Axis F1 in Schools Car Manufacturing Conversion Kit.	FR1/0900C	•	£252.00
F1 in Schools Car Manufacturing Fixture (Bloodhound SSC & Formula One Class Cars).	NR1/0400UA	•	£745.00
Pneumatic Vice - Electronically Operated to permit FMS/CIM integration (factory fitted and requires compressed air)	VMC/1000V	•	£2,900.00
Pneumatic Guarding - High Visibilty to permit FMS/CIM integration (factory fitted and requires compressed air)	VMC/1000G	•	£1,888.00
Universal Machine Bench N.B. Machines with Flood Coolant are fitted with Universal Machine Bench as standard	VMC/0600B	•	£1,110.00
Option for Universal Machine Bench - Computer Support Extension	VMC/0602	•	£160.00
Air Compressor (10 bar)	BI01462HP	•	£654.00
13 Piece Metrology Tool Set	BI00880	•	£195.00

Additional Milling Tooling

Description	Product Code	Micromill	VMC1300/Pro	Price (£)
Set of 3 Metric Collets and Slot Drills: Set of 3mm, 5mm and 6mm with Draw Bar + 3mm, 5mm and 6mm Slot Drills.	BI00859M	•		£93.00
Toolholder - 6mm Dia Bore.	BI04050F	•		£56.00
Toolholder - 10mm Dia Bore.	BI04050G	•		£56.00
Toolholder - 3/8" Dia Bore.	BI04050H	•		£56.00
Toolholder - 1/4" Dia Bore.	BI04050J	•		£56.00
Toolholder - 1/8" Dia Bore.	BI04050K	•		£56.00
Mitee Bite Clamping Kit	BI00845E		•	£193.00
100mm Plain Vice	BI00843		•	£205.00
7-6mm Dia Collet to suit ER32 Collet Chuck	BI00872D		•	£27.00
8-7mm Dia Collet to suit ER32 Collet Chuck	BI00872E		•	£27.00
10-9mm Dia Collet to suit ER32 Collet Chuck.	BI00872G		•	£27.00
13-12mm Dia Collet to suit ER32 Collet Chuck.	BI00872J		•	£27.00
16-15mm Dia Collet to suit ER32 Collet Chuck.	BI00872M		•	£27.00
BT30-ER32 Collet Chuck.	BI00875AA		•	£230.00
Pullstud for Toolholder.	BI00874		•	£22.00
ER32 Collet Chuck Spanner.	BI00857R		•	£28.00
ER32 Collet Chuck Hook Spanner	BI00875E		•	£32.00
2mm H.S.S. Slot Drill, 6mm Shank.	BI00811D	•	•	£21.00
4mm H.S.S. Slot Drill, 6mm Shank.	BI00811H	•	•	£21.00
6mm H.S.S. Slot Drill, 6mm Shank.	BI00811J	•	•	£21.00
Set of 6 H.S.S. Slot Drills (2,3,4,6,8 & 10mm).	BI00811B	•	•	£113.00
Set of 6 H.S.S. End Mills (2,3,4,6,8 & 10mm).	BI00810B	•	•	£114.00
H.S.S. Ball Nose Cutter 3mm Dia Long Series, 6mm Shank.	BI00811L	•	•	£31.00
H.S.S. Ball Nose Cutter 5mm Dia Long Series, 6mm Shank	BI00811M	•	•	£31.00
H.S.S. Ball Nose Cutter 6mm Dia Long Series, 6mm Shank.	BI00811K	•	•	£31.00
Photo Engraving Cutter 6mm Dia Shank, 45 degrees.	BI00811YM	•	•	£27.00
PCB Engraving Cutter 6mm Dia Shank, 30 degrees.	BI00811ZM	•	•	£26.00
20mm Sidelock Holder	BI00875N		•	£82.00
20mm End Mill	BI00809E		•	£113.00
Tips to Suit 20mm End Mill (Pack of 10)	BI00809ET		•	£140.00

Turning Accessories
& Tooling Packages - Turn 270 Pro & Microturn

Description	Product Code	Microturn		Price (£)
Microturn				
Recommended Tool Post and Tooling Package: Quick Change Tool Post + 3 Toolholders, Quick Change Carbide Insert Turning Toolholder + Pack of 10 Inserts, Parting Off Tool Blade, 1/4" Braised Carbide Tipped Left Handed Cutting Tool.	MT1/0100B	•		£642.00
Thread Cutting Package: (Note: Quick Change Tool Post and Tooling must also be purchased): Spindle Encoder Kit, 60 Degree Braised Carbide Threading Tool (maximum pitch 1.0mm).	MT1/0100A	•		£484.00
Turn 270 PRO	**Product Code**	**Turn 270 PRO**		**Price (£)**
		Manual Toolpost	**8 Station Turret**	
Comprehensive Tooling Package: RH Turning Tool 12mm Shank, Pack of 10 Inserts for LH/RH Turning Tools, Pack of 10 Inserts for Parting Off Tool 12mm Shank, External Threading Tool 12mm Shank with 10 Inserts, Boring Bar 8mm Shank with 10 Inserts, 5mm Centre Drill, 2 Stub Drills (5mm & 10mm), 4 Turret Bushes (2 x 5mm, 8mm & 10mm).	TRNCTP		•	£1,115.00
Comprehensive Manual Tooling Package: RH Turning Tool 12mm Shank, Pack of 10 Inserts for LH/RH Turning Tools, Pack of 10 Inserts for Parting Off Tool 12mm Shank, External Threading Tool 12mm Shank with 10 Inserts, Boring Bar 8mm Shank with 10 Inserts, No. 2 Centre Drill plus Sleeve to suit QC Tool Post Boring Bar Holder, 2 Stub Drills (5mm & 10mm), 4 Adjustable Toolholders for QC Tool Post, 4 Tool Post Boring Bar Holders.	TRNCMTP	•		£1,460.00
80mm 3 Jaw Pneumatic Chuck to permit FMS/CIM Integration (Factory fitted and requires compressed air).	TRN/1100	•	•	£4,676.00
Spray Mist Coolant (factory fitted and requires compressed air).	VMC/1000C	•	•	£760.00
Replacement Fluid for Spray Mist Coolant 16 fl oz	BI01121PC	•	•	£27.00
Pneumatic Guarding - High Visibility to permit FMS/CIM Integration (Factory fitted and requires compressed air).	TRN/0900	•	•	£1,755.00
Manual Tailstock with Non-Revolving centre (Factory fitted only).	TRN/0700	•	•	£2,340.00
Revolving Centre (Type 2) (Reduces distances between centres to 225mm).	BI00835	•	•	£122.00
Universal Machine Bench complete with Computer Support Extension	TRNWB	•	•	£1,250.00
Air Compressor (10 bar)	BI01462HP	•	•	£654.00
13 Piece Metrology Tool Set	BI00880	•	•	£195.00

Additional Turning Tooling

Description	Product Code	Microturn	Turn 270 Pro Manual Toolpost	Turn 270 Pro 8 Station Turret	Price (£)
RH Turning Tool	BI00863V		•	•	£96.00
LH Turning Tool	BI00863W		•	•	£96.00
Set of 10 Carbide Tips (RH/LH Turning)	BI00864V		•	•	£86.00
External Threading Tool	BI00863F		•	•	£133.00
Set of 10 Carbide Tips (Threading)	BI00863R		•	•	£260.00
Parting Off Tool	BI00863A		•	•	£135.00
Set of 10 Carbide Tips (Parting)	BI00863Q		•	•	£118.00
5mm Centre Drill	BI00802Q		•	•	£9.00
5mm Stub Drill	BI00803E		•	•	£7.00
Turret Bush – 5mm Bore	TP121/05			•	£54.00
10mm Stub Drill	BI00803J		•	•	£14.00
Turret Bush – 10mm Bore	TP121/10			•	£54.00
8mm Shank Boring Bar	BI00863U		•	•	£143.00
Set of 10 Inserts (Boring Bar)	BI00863L		•	•	£85.00
Turret Bush – 8mm Bore	TP121/08			•	£54.00
Internal Threading Bar 12mm Shank	BI00863S		•	•	£141.00
Set of 10 Inserts (Threading Bar)	BI00863M		•	•	£274.00
Turret Bush – 12mm Bore	TP121/12			•	£66.00
Adjustable Toolholder for Quick Change Tool Post	BI00852B		•		£53.00
No.2 Centre Drill	BI00802C		•		£8.00
No.2 Centre Drill Sleeve to suit Quick Change Tool Post Boring Bar Holder	ST5/808		•		£122.00
Tool Post Boring Bar Holder	BI00853I		•		£54.00
Quick Change Carbide Insert Turning Toolholder.	BI04021	•			£156.00
Pack of 10 Inserts for Quick Change Carbide Turning Toolholder.	BI04023	•			£212.00
Parting Off Tool Blade for Quick Change Toolholder.	BI04022	•			£40.00
1/4" Braised Carbide Tipped Cutting Tool Left Handed.	BI00823D	•			£19.00
Additional Quick Change Turning Toolholder 8.8mm max. Shank.	BI04056A	•			£70.00
Additional Quick Change 3/8" Dia Boring Toolholder.	BI04056B	•			£70.00
3 Jaw 80mm Chuck and Riser Block Kit: 3 1/8" Dia 3 Jaw Chuck in place of Standard 2 1/2" Dia Chuck, Headstock Riser Block and extended Standard Tool Post with Internal Bore, Tailstock Riser Block, Quick Change Tool Post Riser Block (if Tool Post fitted).	MT1/0100C	•			£484.00

Turning Accessories
& Tooling Packages - Turn 370 Pro

Description	Product Code	Turn 370 Pro Manual Toolpost	Turn 370 Pro 8 Station Turret	Price (£)
Turn 370 Pro Fitted with Flood Coolant and Cabinet Base				
Comprehensive Tooling Package: RH Turning Tool 12mm Shank, Pack of 10 Inserts for LH/RH Turning Tools, Pack of 10 Inserts for Parting Off Tool 16mm Shank, External Threading Tool 12mm Shank with 10 Inserts, Boring Bar 8mm Shank with 10 Inserts, 5mm Centre Drill, 2 Stub Drills (5mm & 10mm), 4 Turret Bushes (2 x 5mm, 8mm & 10mm).	TRN370CTP		•	£1,334.00
Comprehensive Manual Tooling Package: RH Turning Tool 12mm Shank, Pack of 10 Inserts for LH/RH Turning Tools, Pack of 10 Inserts for Parting Off Tool 16mm Shank, External Threading Tool 12mm Shank with 10 Inserts, Boring Bar 8mm Shank with 10 Inserts, No. 2 Centre Drill plus Sleeve to suit QC Tool Post Boring Bar Holder, 2 Stub Drills (5mm & 10mm), 4 Adjustable Toolholders for QC Tool Post, 4 Tool Post Boring Bar Holders.	TRN370CMTP	•		£1,676.00
Automatic Lubrication System	TRN370/1000A	•	•	£1,170.00
100mm 3 Jaw Pneumatic Chuck to permit FMS/CIM Integration (Factory fitted and requires compressed air).	TRN370/1000PC	•	•	£4,680.00
Pneumatic Guarding - High Visibility to permit FMS/CIM Integration (Factory fitted and requires compressed air).	TRN/0900	•	•	£1,754.00
Pneumatic Tailstock with Non-Revolving centre (Factory fitted and requires compressed air).	TRN370/0700PT	•	•	£2,996.00
Manual Tailstock with Non-Revolving centre (Factory fitted only).	TRN370/0700	•	•	£2,338.00
Revolving Centre (Type 2) (Reduces distances between centres to 225mm).	BI00835	•	•	£122.00
Option for Universal Machine Bench - Computer Support Extension	VMC/0602	•	•	£160.00
Air Compressor (10 bar)	BI01462HP	•	•	£654.00
13 Piece Metrology Tool Set	BI00880	•	•	£195.00

Additional Turning Tooling

Description	Product Code	Turn 370 Pro Manual Toolpost	Turn 370 Pro 8 Station Turret	Price (£)
RH Turning Tool	BI00863V	•	•	£96.00
LH Turning Tool	BI00863W	•	•	£96.00
Set of 10 Carbide Tips (RH/LH Turning)	BI00864V	•	•	£86.00
External Threading Tool	BI00863F	•	•	£133.00
Set of 10 Carbide Tips (Threading)	BI00863R	•	•	£260.00
Parting Off Tool 35mm Bar, 16mm Shank	BI00863X	•	•	£162.00
Set of 10 Tips	BI00863Y	•	•	£274.00
Tool Extractor	BI00863Z	•	•	£30.00
5mm Centre Drill	BI00802Q	•	•	£9.00
5mm Stub Drill	BI00803E	•	•	£7.00
Turret Bush – 5mm Bore	TP121/05		•	£54.00
10mm Stub Drill	BI00803J	•	•	£14.00
Turret Bush – 10mm Bore	TP121/10		•	£54.00
8mm Shank Boring Bar	BI00863U	•	•	£143.00
Set of 10 Inserts (Boring Bar)	BI00863L	•	•	£85.00
Turret Bush – 8mm Bore	TP121/08		•	£54.00
Internal Threading Bar 12mm Shank	BI00863S	•	•	£141.00
Set of 10 Inserts (Threading Bar)	BI00863M	•	•	£274.00
Turret Bush – 12mm Bore	TP121/12		•	£66.00
Adjustable Toolholder for Quick Change Tool Post	BI00852B	•		£53.00
No.2 Centre Drill	BI00802C	•		£8.00
No.2 Centre Drill Sleeve to suit Quick Change Tool Post Boring Bar Holder	ST5/808	•		£122.00
Tool Post Boring Bar Holder	BI00853I	•		£54.00

VLS Series Lasers

Laser Prices may be subject to revision, without notice, due to exchange rate fluctuations.
Please contact Denford to confirm current prices on day of placing an Order.

Description	Product Code	Price (£)	VLS 2.30			VLS 3.50				
			Working Area 305 x 406mm			Working Area 305 x 610mm				
VLS 2.30 Platform	VLS230	£4,497.00	•	•	•					
VLS 3.50 Platform	VLS350	£5,481.00				•	•	•	•	•
VLS Lens Kit 2.0"	VLSLK20	£191.00	•	•	•	•	•	•	•	•
10 Watt Laser Cartridge	VLS10C	£1,988.00	•			•				
25 Watt Laser Cartridge	VLS25C	£2,484.00		•			•			
30 Watt Laser Cartridge	VLS30C	£2,861.00			•			•		
40 Watt Laser Cartridge	VLS40C	£3,813.00							•	
50 Watt Laser Cartridge	VLS50C	£4,727.00								•
Honeycomb Bed (To suit VLS2.30)	VLS230T	£259.00	•	•	•					
Honeycomb Bed (To suit VLS3.50)	VLS350T	£362.00				•	•	•	•	•
Denford Advantage Extraction Cabinet	BI01830	£1,425.00	•	•	•	•	•	•	•	•
Denford Advantage Pro Extraction Cabinet	BI01830I	£1,940.00								
Rotary Fixture (To suit VLS2.30)	VLS230R	£791.00								
Rotary Fixture (To suit VLS3.50)	VLS350R	£820.00								
Air Assist Cone (To suit 2.0" Focal Lens)	VLSAAC	£92.00	•	•	•	•	•	•	•	•
Air Assist Back Sweep	VLSABS	£144.00								
1/2 Day Training at Denford (Per Person)	TRAIN1	£175.00	•	•	•	•	•	•	•	•
Price for Recommended Package:			£8,627.00	£9,123.00	£9,500.00	£9,714.00	£10,210.00	£10,587.00	£11,539.00	£12,453.00
Replacement 2 Stage Pre-Filter	BI01830B	£119.00	•	•	•	•	•	•	•	•
Replacement Combined Hepa & Chemical Gas Filter	BI01830A	£165.00	•	•	•	•	•	•	•	•

Description	Product Code	Price (£)	Large Format VLS 3.60					
			Working Area 305 x 610mm					
VLS 3.60 Platform	VLS360	£6,518.00	•	•	•	•	•	•
VLS Lens Kit 2.0"	VLSLFLK20	£285.00	•	•	•	•	•	•
10 Watt Laser Cartridge	VLS10C	£1,988.00	•					
25 Watt Laser Cartridge	VLS25C	£2,484.00		•				
30 Watt Laser Cartridge	VLS30C	£2,861.00			•			
40 Watt Laser Cartridge	VLS40C	£3,813.00				•		
50 Watt Laser Cartridge	VLS50C	£4,727.00					•	
60 Watt Laser Cartridge	VLS60C	£5,641.00						•
Coaxial Air Assist Optics Protection	VLSCAA	£880.00	•	•	•	•	•	•
Dessicant Dryer Kit	ADVXDD	£250.00						
Honeycomb Bed (To suit VLS3.60)	VLS360T	£619.00	•	•	•	•	•	•
AD-ORACLE Extraction Unit	BI01825F	£2,009.00	•	•	•	•	•	•
AD-ORACLE PRO Extraction Unit	BI01825FI	£2,165.00						
Rotary Fixture	VLSRF	£1,042.00						
Air Assist Back Sweep	VLSABSLF	£161.00						
1/2 Day Training at Denford (Per Person)	TRAIN1	£175.00	•	•	•	•	•	•
Price for Recommended Package:			£12,474.00	£12,970.00	£13,347.00	£14,299.00	£15,213.00	£16,127.00
Replacement 2 Stage Pre-Filter	BI01825FP	£119.00	•	•	•	•	•	•
Replacement Combined Hepa & Chemical Gas Filter	BI01825FC	£188.00	•	•	•	•	•	•

VLS Series Lasers

Laser Prices may be subject to revision, without notice, due to exchange rate fluctuations. Please contact Denford to confirm current prices on day of placing an Order.

Description	Product Code	Price (£)	Large Format VLS 4.60					
			Working Area 457 x 610mm					
VLS 4.60 Platform	VLS460	£7,736.00	•	•	•	•	•	•
VLS Lens Kit 2.0"	VLSLFLK20	£285.00	•	•	•	•	•	•
10 Watt Laser Cartridge	VLS10C	£1,988.00	•					
25 Watt Laser Cartridge	VLS25C	£2,484.00		•				
30 Watt Laser Cartridge	VLS30C	£2,861.00			•			
40 Watt Laser Cartridge	VLS40C	£3,813.00				•		
50 Watt Laser Cartridge	VLS50C	£4,727.00					•	
60 Watt Laser Cartridge	VLS60C	£5,641.00						•
Coaxial Air Assist Optics Protection	VLSCAA	£880.00	•	•	•	•	•	•
Dessicant Dryer Kit	ADVXDD	£250.00						
Honeycomb Bed (To suit VLS4.60)	VLS460T	£739.00	•	•	•	•	•	•
AD-ORACLE Extraction Unit	BI01825F	£2,009.00	•	•	•	•	•	•
AD-ORACLE PRO Extraction Unit	BI01825FI	£2,165.00						
Rotary Fixture	VLSRF	£1,042.00						
Air Assist Back Sweep	VLSABSLF	£161.00						
1/2 Day Training at Denford (Per Person)	TRAIN1	£175.00	•	•	•	•	•	•
Price for Recommended Package:			£13,812.00	£14,308.00	£14,685.00	£15,637.00	£16,551.00	£17,465.00
Replacement 2 Stage Pre-Filter	BI01825FP	£119.00	•	•	•	•	•	•
Replacement Combined Hepa & Chemical Gas Filter	BI01825FC	£188.00	•	•	•	•	•	•

Description	Product Code	Price (£)	Large Format VLS 6.60					
			Working Area 457 x 813mm					
VLS 6.60 Platform	VLS660	£9,263.00	•	•	•	•	•	•
VLS Lens Kit 2.0"	VLSLFLK20	£285.00	•	•	•	•	•	•
10 Watt Laser Cartridge	VLS10C	£1,988.00	•					
25 Watt Laser Cartridge	VLS25C	£2,484.00		•				
30 Watt Laser Cartridge	VLS30C	£2,861.00			•			
40 Watt Laser Cartridge	VLS40C	£3,813.00				•		
50 Watt Laser Cartridge	VLS50C	£4,727.00					•	
60 Watt Laser Cartridge	VLS60C	£5,641.00						•
Coaxial Air Assist Optics Protection	VLSCAA	£880.00	•	•	•	•	•	•
Dessicant Dryer Kit	ADVXDD	£250.00						
Honeycomb Bed (To suit VLS6.60)	VLS660T	£784.00	•	•	•	•	•	•
AD-ORACLE Extraction Unit	BI01825F	£2,009.00	•	•	•	•	•	•
AD-ORACLE PRO Extraction Unit	BI01825FI	£2,165.00						
Rotary Fixture	VLSRF	£1,042.00						
Air Assist Back Sweep	VLSABSLF	£161.00						
1/2 Day Training at Denford (Per Person)	TRAIN1	£175.00	•	•	•	•	•	•
Price for Recommended Package:			£15,384.00	£15,880.00	£16,257.00	£17,209.00	£18,123.00	£19,037.00
Replacement 2 Stage Pre-Filter	BI01825FP	£119.00	•	•	•	•	•	•
Replacement Combined Hepa & Chemical Gas Filter	BI01825FC	£188.00	•	•	•	•	•	•

TMX Water Cooled Lasers

Description	Product Code	Price (£)
TMX65 – 50 Watt Water Cooled Laser Cutter	CTMX65-50	£5,160.00
TMX65 – 80 Watt Water Cooled Laser Cutter	CTMX65-80	£5,760.00
AD-ORACLE Extraction Unit without Compressor	BI01825G	£1,375.00
On-Site Commissioning & 1/2 Day Training	TRAIN11	£375.00

Manufacturing Packages

Description	Product Code	Price (£)
3D SCANNING & MANUFACTURING PACKAGE		
3D Scanning & Manufacturing Package with Router 2600 Pro	PK3D26P	£22,262.50
3D Scanning & Manufacturing Package with Router 2600	PK3D26	£20,862.50
3D Scanning & Manufacturing Package with Compact 1000 Pro	PK3D10P	£18,862.50
3D Scanning & Manufacturing Package with MRC 40	PK3D40	£14,897.50
The above packages include:		
QuickCAM PRO (Site Licence)		
Laser Scanning Head including wizard based software for scanning, editing & saving 3D models		
4th Axis Programmable Rotary Fixture		
QuickCAM 4D (site licence)		
Pine Billets (65mm Ø x150mm) – Pack of 50		
High Density Foam Billets (70mm Ø x 150mm) – Pack of 50		
High Density Foam Billets (150mm x 110mm x 45mm) – Pack of 50		
Recommended Tooling Package: 1/8" Ø x 1/4" Shank 2 Flute Cutter, 1/8" Ø x 1/4" Shank Ball Nose Cutter, 1/4" Ø x 1/4" Shank 2 Flute Cutter, 1/4" Ø x 1/4" Shank Ball Nose Cutter, 60° V Cutter x 1/4" Shank		
1/4" Ø Ball Nose, Extra Long Series Cutter		

Manufacturing Packages

Description	Product Code	Price (£)
CAR MANUFACTURING PACKAGE		
Car Manufacturing Package with Router 2600 Pro	PKF126P	£15,614.00
Car Manufacturing Package with Router 2600	PKF126	£14,214.00
Car Manufacturing Package with Compact 1000 Pro	PKF110P	£12,214.00
Car Manufacturing Package with MRC 40	PKF140	£8,249.00
The above packages include:		
QuickCAM Pro (site licence)		
Virtual Reality Wind Tunnel (single seat)		
F1® Model Blocks – Pack of 20		
Bloodhound SSC Class Balsa Wood Blanks – Pack of 20		
Fusion Wheels – Black – Pack of 100		
PX Wheels – Rear – Black – Pack of 100		
LX Wheels – Front – Black – Pack of 100		
Screw Eyes 1" – Pack of 100		
Screw Eyes 1/4" – Pack of 100		
Long Axles – 65mm – Pack of 100		
Short Axles – 43mm – Pack of 100		
Straw Wheel Spacers – Pack of 500		
Washers – 4mm – Pack of 100		
Decal Stickers – Pack of 25 Sheets		
Paint Stand		
F1 in Schools Car Manufacturing Fixture for both Formula One & Bloodhound SSC Class Cars		
2 x 1/4" Ø Ball Nose, Extra Long Series Cutter		
CAR MANUFACTURING, TEST AND RACE PACKAGE		
Car Manufacturing, Test and Race Package with Router 2600 Pro	PKF126P/2	£23,582.00
Car Manufacturing, Test and Race Package with Router 2600	PKF126/2	£22,182.00
Car Manufacturing, Test and Race Package with Compact 1000 Pro	PKF110P/2	£20,182.00
Car Manufacturing, Test and Race Package with MRC 40	PKF140/2	£16,217.00
The above packages include:		
Car Manufacturing Package		
Fog Maestro Smoke Generator inc. 1 Litre of Fog Fluid		
Scout Wind Tunnel		
Elevated Racetrack		
F1 Race System		
8 Gram Competition Cartridges (pack of 120)		

Stratasys 3D Printers

Description	Product Code	Price (£)
Stratasys Mojo 3D Print Pack for Education	DMJ10100	£6,750.00
Mojo ABS QuickPack (1131cc) – Ivory	DMJ80100	£276.00
Mojo ABS QuickPack (1131cc) – Black	DMJ80101	£276.00
Mojo ABS QuickPack (1131cc) – Steel Grey	DMJ80102	£276.00
Mojo ABS QuickPack (1131cc) – Red	DMJ80103	£276.00
Mojo ABS QuickPack (1131cc) – Blue	DMJ80104	£276.00
Mojo ABS QuickPack (1131cc) – Nectarine	DMJ80105	£276.00
Mojo ABS QuickPack (1131cc) – Yellow	DMJ80106	£276.00
Mojo ABS QuickPack (1131cc) – Olive Green	DMJ80107	£276.00
Mojo ABS QuickPack (1131cc) – White	DMJ80108	£276.00
Mojo Soluble Support Material QuickPack (1131cc)	DMJ80200	£276.00
Model Bases 127 x 127mm – Pack of 24	DMJ00127	£49.00
Ecoworks Tablets Cleaning Agent- Pack of 24	DMJ00104	£77.00
Stratasys uPrint SE 3D Print Pack for Education	D2SSY700	£11,030.00
ABS Spool (688cc) – Ivory	D2SSY720	£145.00
Soluble Support Spool (688cc)	D2SSY721	£145.00
Stratasys Plastic Bases 203x152mm – Pack of 24	D2SSY730	£90.00
Ecoworks Cleaning Agent – Pack of 24	D2SSY740	£65.00
3D Printer Stand for Stratasys uPrint	DJ3D-STAND	£625.00
Stratasys uPrint SE Plus 3D Print Pack for Education	D2SSY703	£14,500.00
ABS Spool (688cc) – Ivory	D2SSY720	£145.00
ABS Spool (688cc) – Blue	D2SSY597	£145.00
ABS Spool (688cc) – Dark Grey	D2SSY602	£145.00
ABS Spool (688cc) – Fluorescent Yellow	D2SSY596	£145.00
ABS Spool (688cc) – White	D2SSY608	£145.00
ABS Spool (688cc) – Nectarine	D2SSY601	£145.00
ABS Spool (688cc) – Olive Green	D2SSY595	£145.00
ABS Spool (688cc) – Red	D2SSY598	£145.00
Soluble Support Spool (688cc)	D2SSY721	£145.00
Stratasys Plastic Bases 203x203mm – Pack of 24	D2SSY668	£90.00
Ecoworks Cleaning Agent – Pack of 24	D2SSY740	£65.00
3D Printer Stand for Stratasys uPrint	DJ3D-STAND	£625.00

UP 3D Printers

Description	Product Code	Price (£)
Prices may be subject to revision, without notice, due to exchange rate fluctuations. Please contact Denford to confirm current price on day of placing an Order.		
UP BOX 3D Printer	UP30X	£1,499.00
UP Plus 2 3D Printer - White	UP21W	£650.00
UP mini 3D Printer	UP02	£465.00
UP mini 2 3D Printer	UP022	£465.00
UP Consumables		
ABS		
White ABS Material 500g (Spools x2)	UPWBBS/2	£28.00
Blue ABS Material 500g (Spools x2)	UPBBBS/2	£28.00
Green ABS Material 500g (Spools x2)	UPGBBS/2	£28.00
Black ABS Material 500g (Spools x2)	UPKBBS/2	£28.00
Red ABS Material 500g (Spools x2)	UPRBBS/2	£28.00
Yellow ABS Material 500g (Spools x2)	UPYBBS/2	£28.00
UP Printer ABS Rainbow Pack 500g (Contains 6 x Spools: 1 of each colour: white, blue, green, black, red, yellow)	UPRBW/A	£84.00

UP 3D Printers

Description	Product Code	Price (£)	Product Code	Price (£)
UP Consumables			**700g Spool x1**	
PLA	**500g Spools x2**		**For UP Plus 2/UP mini only**	
Hawaii Blue PLA Material	UPHBPLA/2	£28.00	UPHBPLA	£15.00
Pompeii Grey PLA Material	UPPGPLA/2	£28.00	UPPGPLA	£15.00
Rio Green PLA Material	UPRGPLA/2	£28.00	UPRGPLA	£15.00
Natural White PLA Material	UPNWPLA/2	£28.00	UPNWPLA	£15.00
Perf Board				
Perf Board for UP mini			UPPFB	£15.00
Perf Board for UP Plus 2			UP2PFB	£15.00
Perf Board for UP BOX			UP3PFB	£25.00

Cutter / Plotters

Description	Product Code	Price (£)
Silhouette Cameo 2 12" Cutter	BI01819CS	£224.99
Silhouette New Style Blade Holder (Silh-Blade-3)	BI01819CSB	£11.66
12" x 12" Cutting Mat for Silhouette Cameo (1 per pack)	BI01819CS12	£10.83
Pen-Holder 2-3T	BI01819CS23	£7.49
Silhouette Sketch Pen – Start Pack	BI01819CSS	£7.49
Silhouette Sketch Pen – Metallics	BI01819CSM	£4.99
Silhouette Sketch Pen – Glitter	BI01819CSG	£4.99
Primary Education Pack.	BI01819CRC	£180.00
Consumables for Projects - including a selection of coloured vinyl, coloured card, magnets, mirrors and double sided tape.		
Jaguar Primary School Challenge Education Pack	BI01819JAG	£475.00
Consumables specifically for the Jaguar Primary School Challenge - including a selection of coloured vinyl, coloured card, magnets, mirrors and double sided tape, together with F1 in Schools consumables such as wheels, axles and 4gm competition cartridges.		
CraftROBO Pro II CE6000-40	BI01819MZ	£695.00
Replacement Blade Holder (CB09HOLDER-BFT)	BI01819NH	£57.75
Replacement Blade (CB09-BFT)	BI01819NB	£11.72
Replacement Pens (KF550-S1) 5 Pack	BI01819ND	£23.45

Land Rover 4x4 in Schools

Description	Product Code	Price (£)
Land Rover 4x4 in Schools Starter Kit	4x40001	£165.00
Any team entering the Land Rover 4x4 in Schools Technology Challenge for the first time can opt to enter the Beginners Class of the Challenge by purchasing a Land Rover 4x4 in Schools Starter Kit. The Starter Kit consists of all the essential components to get you started in the Challenge: Horizon 1/18 scale Rock Crawler, 2.4 MHz Transmitter, 2.4 MHz Receiver, Battery Pack & Battery Charger Unit.		
Land Rover 4x4 in Schools Track		
Land Rover 4x4 in Schools Track Comprising Full Staging and 14 Track Elements (including 64 entry and exit cones)	4x40200	£12,150.00
Land Rover 4x4 in Schools Half Track: 6 Elements Only	4x40250	£2,495.00
Includes: Articulation, V-Gully Traverse, Pipe Bridge, See Saw, Hill Climb, Side Slope		
Flight Case for Track Elements	4x40191	£735.00

Denford Consumables

Description		Product Code	Price (£)
Wood - A range of hardwoods, suitable for machining on Denford Routers.			
American Maple Wood Block - A creamy white hardwood with a close grain and fine, even texture. Easy to work and finish, without the need for sanding.			
Billet Size: 160mm x 100mm x 20mm	Each	BI03509D	£2.65
	Pack of 50	BI03509G	£126.00
Round Pine Billets - Ideal for use with the Rotary Fixture attachments.			
Billet Size: 65mm Dia. x 150mm Long	Pack of 10	BI03509J	£44.00
Foam - These rigid, closed cell foam blocks are ideal for the rapid machining of parts on the full range of Denford Milling Machines and Routers.			
High Density Foam - Ideal for most 3D prototyping applications. Offering plenty of surface detail, it is commonly used in moulds for vacuum forming and is also suitable for painting.			
Billet Size: 150mm x 110mm x 45mm	Each	BI03508	£5.00
	Pack of 50	BI03508A	£236.00
Billet Size: 70mm Dia. x 150mm long	Each	BI03508DZ	£10.80
(Ideal for use with the Denford 4th Axis Programmable Rotary Fixture).	Pack of 15	BI03508E	£154.00
Model Foam - A low density and low cost foam product with easy machining properties which is particularly suitable for quick 3D realisation of design ideas.			
Billet Size: 160mm x 100mm x 50mm	Each	BI03508B	£1.80
	Pack of 50	BI03508Z	£85.00
Modelling Board - A high density (0.47gms per cubic metre) board ideal for high definition 3D work. For prototyping high quality models.			
Billet Size: 1500mm x 500mm x 50mm	Each	BI03508K	£330.00
PCB Board - Ideal for use in conjunction with PCB Engraver/VR Milling 5 PCB manufacturing feature.			
Copper Coated Clad PCB Board (Single Sided).			
Size: 233.4mm x 160mm x 1.6mm	Each	4X40079	£15.50
Photo Resist Coated PCB Board (Single Sided). High quality dip coated positive working photoresist. This high resolution photoresist contains a dye which gives a good contrast against the copper allowing boards to be easily inspected at the developing stage. Panels are protected by a specially designed light-proof blue film which allows them to be guillotined without the risk of fracturing the photoresist.			
Size: 233.4mm x 160mm x 1.6mm	Each	4X40080	£20.50
Aluminium - Free cutting aluminum bars and billets are ideal for producing quick prototypes of metallic components. Easily polished, they yield professional looking component parts.			
Aluminium Bar Suitable for cutting on Denford Lathes.			
Bar Size: 20mm Dia. x 55mm.	Non-Anodised:		
	Each	BI03512A/1	£3.30
	Pack of 50	BI03512A	£154.00
Aluminium Billets Suitable for cutting on Denford Milling Machines.			
Billet Size: 100mm x 100mm x 12mm.	Non-Anodised:		
	Each	BI03511	£9.80
	Pack of 50	BI03511B	£475.00
	Red Anodised:		
	Each	BI03511A	£11.20
	Pack of 50	BI03511C	£530.00

Denford Consumables

Description	Product Code	Price (£)
Extruded Acrylic Sheets - Excellent thermoforming characteristics enabling the production of intricate, delicate shapes.		
30 off 3mm Red 600mm x 300mm.	BI03523	£200.00
30 off 3mm Yellow 600mm x 300mm.	BI03523A	£200.00
Cast Acrylic Sheets - High quality, perfect surface finish and superb optical qualities.		
30 off 3mm Red 600mm x 300mm.	BI03522	£230.00
30 off 3mm Blue 600mm x 300mm.	BI03522A	£230.00
30 off 3mm Green 600mm x 300mm.	BI03522B	£230.00
30 off 3mm Transparent Blue 600mm x 300mm.	BI03522C	£230.00
30 off 3mm Transparent Yellow 600mm x 300mm.	BI03522D	£230.00
High Impact Polystyrene - Rigid, easy cutting thermoplastic used for 2D projects. Can be quickly 'layered' in different colours to produce low cost nameplates etc. Easily held on temporary machine tables using heavy duty double sided tape.		
High Impact Polystyrene		
Billet Size: 160mm x 90mm x 2mm.		
White Pack of 50	BI03501F	£30.00
Multi-Coloured Pack of 50	BI03501	£30.00
Acrylic Rods		
1 metre x 6mm dia. fluorescent round - Red.	BI03524	£8.00
1 metre x 6mm dia. fluorescent round - Yellow.	BI03524A	£8.00
1 metre x 6mm dia. fluorescent round - Green.	BI03524B	£8.00
1 metre x 6mm dia. fluorescent round - Blue.	BI03524C	£8.00
1 metre x 6mm dia. round - Clear.	BI03524D	£8.00
Consumables Pack for Cutter Plotters	BI01819CRC	£180.00
Consumables for projects including:-		
- Coloured Vinyl.		
- Coloured Card.		
- Button Magnets.		
- Mirrors.		
- Double Sided Tape.		
Vinyl		
9 x 10 metre rolls of assorted, coloured gloss finish 200mm width vinyl (for use with Cutter Plotters).	BI03521	£88.00
Heavy Duty Double Sided Tape		
Size: 25mm x 33M Pack of 10	BI03502A	£75.00
Plotter Card		
White Plotter Card (330gsm). Size: 450mm x 320mm Pack of 100	BI01819NE	£125.00

F1 Equipment

MAKE

Description	Product Code	Price (£)
F1® Model Block Car Kit: Fusion Wheels Includes set of 4 x black Fusion wheels, 1 x sandpaper, 2 x screw eyes, 2 x axles, straw wheel spacers, 4 x washers, 1 x F1® Model Block	N13226F1M01	£16.00
Bloodhound SSC Class Car Kit: PX & LX Wheels Includes 2 x PX rear wheels and 2 x LX front wheels, 1 x sandpaper, 2 x screw eyes, 2 x axles, straw wheel spacers, 4 x washers, 1 x balsa wood blank.	N13226DE1	£15.00
Formula 1® Class Wheels		
Set of Fusion Wheels - Black (pack of 4)	N54531/OSET	£6.50
Set of Fusion Aluminium Effect Hubs (pack of 4)	N54608/OSET	£6.50
Fusion Wheels - Black (pack of 100)	N54531	£18.00
Fusion Aluminium Effect Hubs (pack of 100)	N54608	£10.00
Bloodhound SSC Class Wheels		
Set of PX and LX Wheels - 2 Front, 2 Rear - Black	N21899/OSET	£6.50
PX Wheels - Rear - Black (pack of 100)	N30848	£13.00
LX Wheels - Front - Black (pack of 100)	N30846	£11.00
Formula 1® Class Wheel Kit includes: 4x Wheels, 2x Tether Line Guides, 4x Axle Inserts/Grommets (6mm), 2x Axles.	N14759	£8.00
F1® Model Block (pack of 10) This official F1® Model Block measures 223mm x 65mm x 50mm with a consistent weight of 112gms and contains a pre drilled hole for the CO2 cartridge.	F1223/10	£57.50
Bloodhound SSC Class Balsa Wood Blank (pack of 10) Blank measures 304mm x 41mm x 70mm and contains a pre-drilled hole for the CO2 cartridge.	N53347	£37.50
Formula 1® Class Kit Bag (for one car, excluding F1® Model Block) Includes set of 4 x black Fusion wheels, 1 x sandpaper, 2 x screw eyes, 2 x axles, straw wheel spacers, 4 x washers.	N14758:04	£11.50
Bloodhound SSC Class Kit Bag (for one car, excluding balsa blank) Includes 2 x PX rear wheels and 2 x LX front wheels, 1 x sandpaper, 2 x screw eyes, 2 x axles, straw wheel spacers, 4 x washers.	N14634:04	£11.50
Paint Stand (for use with Bloodhound SSC & Formula 1® Class cars). This new, improved design holds your car during the painting process. The car is suspended by the cartridge hole and once on the stand, can be rotated to paint all sides.	N54528	£6.50
Axles - Use the strength of steel to mount your model wheels		
Long Axles(65mm) (pack of 100).	N53341	£7.50
Short Axles (43mm) (pack of 100).	N53728	£5.50
Screw Eyes - Use these screw eyes to keep your car on the track		
1/4" Screw Eyes (6.34mm) for use with Bloodhound SSC Class Cars (pack of 100).	N15109	£4.50
1" Screw Eyes (25.4mm) for use with Formula 1® Class Cars (pack of 100).	N53693	£12.50
Washers - Reduce friction between the wheel and the car body. Washers for use with Bloodhound SSC & Formula 1® Class Cars (4mm) (pack of 100).	N15194	£5.00
Straw Wheel Spacers - For use as axle bushings Straw Wheel Spacers for use with Bloodhound SSC & Formula 1® Class Cars (pack of 500).	N33890	£11.00

F1 Equipment
TEST & RACE

Description	Product Code	Price (£)
Decal Stickers (pack of 25 sheets)	NF1009	£13.00
Smoke Tunnel with Smoke Generator (inc. bottle of Smoke Fluid) A harmless smoke-like vapour passes through the Smoke Tunnel demonstrating airflow around the object.	N42044	£1,790.00
Replacement Smoke Fluid for Smoke Tunnel, 50ml	N41958	£18.00
Fog Maestro Smoke Generator (inc. bottle of Fog Fluid) (Can be used with Scout Wind Tunnel).	N25100	£470.00
Replacement Fog Fluid for Fog Maestro	N56805	£30.00
Scout Wind Tunnel A wind tunnel specifically designed to measure frontal drag on F1 cars. It is 1240mm in length and features a powerful motor that draws air through at approx 40mph. Includes 1 bottle of manometer oil.	N24761	£2,125.00
Replacement Manometer Oil	N59108	£16.00
Elevated Racetrack (See F1 Race System for further Race Track Equipment). 25 Metre - Long Track (includes 11 sections and 12 legs).	N22049	£3,375.00
F1 Race System Designed for use with the Elevated Racetrack, the F1 Race System includes 1 x start gate, 1 x finish gate, 2 x launch triggers, 2 x launchers, 1 x power supply and 1 x control box.	N32483	£1,890.00
F1 in Schools Track Banners for use with Elevated Racetrack, featuring chequered flag borders and F1 logo (Complete with velcro to attach to the track)	NPB002	£1,540.00
Test Cartridges 8 Gram Test Cartridges for Long Track (pack of 360). (for test only. NOT suitable for competition).	BI03002A	£126.00
Competition Cartridges 8 Gram Competition Cartridges for Long Track (pack of 120). 4 Gram Competition Cartridges for Short Track (pack of 120).	N53337 N53338	£108.00 £108.00
Deceleration Towels Set of 2 deceleration towels to stop the cars at the end of the track.	N18060	£20.00
Car Deceleration System - NEW The new car deceleration system consists of tapered brushes which gradually slow cars down after they have crossed the finishing line.	F1CDS001000	£575.00

Machine Upgrades

Description	Product Code	Price (£)
CNC Machine Upgrades		
Novamill to Pro & VR CNC Milling 5 upgrade - Return to Works Controller Top Card replaced with BI00434YY, 3 Axis Micro-Stepping Drive fitted, all Axes Motors replaced and internal USB Plug and Cables fitted. VR CNC Milling 5 Software supplied (single seat). Available for: Novamill with Denstep, Nextstep or Smartstep.	UGR0005	£3,280.00
USB & VR CNC Milling 5 Upgrade - Carried out on-site by a Denford Engineer Controller Top Card replaced with BI00434YY and internal USB Plug and Cables fitted. VR CNC Milling 5 Software supplied (single seat). Available for:- Microrouter V3, V4, Pro, Microrouter Compact, Triac with Denstep & Novamill with Denstep or Nextstep.	UGR0006	£1,570.00
USB Rack & VR CNC Milling 5 Upgrade - Carried out on-site by a Denford Engineer Rack Controller Card replaced with BI00434Y and internal USB Plug and Cables fitted. VR CNC Milling 5 Software supplied (single seat). Available for: Novamill with Rack, Starmill with Rack, Triac with Rack.	UGR0007	£1,570.00
SmartStep to USB & VR CNC Milling 5 Upgrade - Return to Works Complete Control Card replaced with BI00435B and I/O connections rewired. Power Supply, Transformer and E-Stop Relay replaced. Internal USB Plugs and Cables fitted. VR CNC Milling 5 Software supplied (single seat). Available for: Novamill SmartStep and Starmill SmartStep.	UGR0009	£2,345.00
4th Axis Retrofit - Return to Works 4th Axis Drive Unit and Electronic Controls fitted. QuickCAM 4D Milling Software supplied (site licence). Available for: Microrouter Compact, Microrouter Standard, Microrouter Pro, Compact 1000/Pro, Router 2600/Pro/ATC, Router 6600/Pro/ATC and Vertical Router.	FR1/0900 (Microrouter Compact) NR1/0900 (Microrouter Std/Pro MRP/0900R (Compact 1000/Pro) MRP/0900R (Router 2600/Pro/ATC) MRP/0900R (Router 6600/Pro/ATC) VR1/0900R (Vertical Router)	£3,180.00 £3,180.00 £3,180.00 £3,180.00 £3,180.00 £4,025.00
EasySCAN Retrofit - Return to Works EasySCAN Laser Attachment, Electronic Card, Internal USB Plug and Cable Fitted. Available for Compact 1000/Pro, Router 2600/Pro/ATC and Router 6600/Pro/ATC.	BI00891	£3,660.00

Please note that the above prices are exclusive of engineer's travel time/collection & return costs.

Machine Refurbishment
& RE-WARRANTY PACKAGE

Description	Product Code	Price (£)
Machine Refurbishment & Re-Warranty Package		
Subject to inspection and approval, we are able to refurbish the following Denford machines: Microrouter Compact, Microrouter V3 & V4 / Pro, Compact 1000 / Pro, Router 2600 / Pro, Novaturn, Novamill / ATC.		
The refurbishment package includes:		
-Mechanical/electrical service/inspection -Replacement of serviceable items, where necessary -Replacement of guards/side windows and new labels fitted -Upgrade to Nextmove technology with USB connectivity, where applicable -Supply of latest versions of VR Milling V5 and QuickCAM 2D Design for Routers -Supply of latest versions of VR Turning and QuickTURN 2D Design for Novaturn -One day training course at Denford for 2 people -Machines will be cleaned (not repainted) -Novaturns and Novamills will be fitted into new cabinets with integral electronics -3 year on-site parts and labour warranty		
Microrouter Compact Refurbishment & 3 Year Warranty	RWP0001	£4,700.00
Microrouter V3 & V4 / Pro Refurbishment & 3 Year Warranty	RWP0002	£5,525.00
Compact 1000 Refurbishment & 3 Year Warranty	RWP0003	£4,905.00
Compact 1000 Pro Refurbishment & 3 Year Warranty	RWP0004	£5,115.00
Router 2600 Refurbishment & 3 Year Warranty	RWP0005	£5,425.00
Router 2600 Pro Refurbishment & 3 Year Warranty	RWP0006	£5,630.00
Novaturn Refurbishment & 3 Year Warranty	RWP0007	£6,455.00
Novamill / ATC Refurbishment & 3 Year Warranty	RWP0008	£6,865.00
Refurbishments will take place at Denford Limited and the above prices exclude collection and redelivery charges.		

DENFORD

denfordata.com/bb/

On-Line Technical Forum

TECHNICAL SUPPORT AVAILABLE 24 HOURS A DAY, 7 DAYS A WEEK

Denford's Technical Forum is a free of charge on-line technical support service that is available to Denford customers 24 hours a day, 7 days a week.

"The technical forum has provided a wealth of information and support for our 20-year-old Denford CNC machine, in fact just as good as the support we receive for our brand new CNC Router!"

Denford's On-Line Technical Forum is a free of charge service that can be accessed 24 hours a day, 7 days a week.

The On-Line Technical Forum is available to Denford customers, old and new, and it couldn't be easier to use. Just visit http://www.denfordata.com/bb/ and register on line.....it's that simple.

Denford's On-Line Technical Forum opens up the traditional communication channels that can restrict customer and technical support, due to availability of staff, teaching commitments or different time zones.

A multitude of topics relating to Denford machines and software (both new and old) are covered within the forum, which is simple to search, and easy to use.

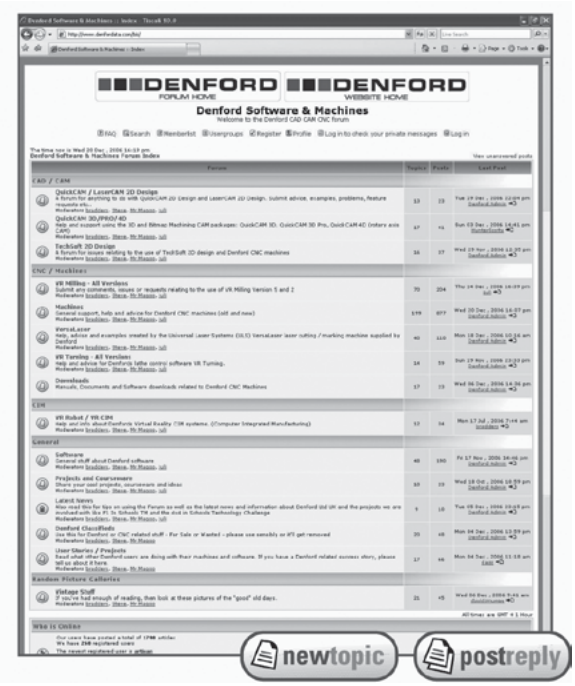
Denford's Technical Team and Denford customers from around the world regularly log on to the forum to offer support and advice and, most importantly, post a solution for all to see.

As well as offering comprehensive technical support, Denford's On-Line Technical Forum enables customers to share ideas and projects with other users. Media such as teaching material, project work, PDF's, images, drawings and text documents are easily attached to messages for all users to view and comment on.

You can also read the latest Denford news before anyone else, and keep track of machine and software upgrades, some of which can be downloaded direct from the Technical Forum web site.

The On-Line Technical Forum has proved to be hugely popular with customers. One recent user posted a note to inform us that the Technical Forum has "provided a wealth of information and support for our 20-year-old Denford CNC machine, in fact just as good as the support we receive for our brand new CNC Router!"

Of course the traditional methods of phone and email are still available, but try out this new service by simply logging on to www.denfordata.com/bb/ and register.



Prices are correct at the time of printing but are subject to change. All prices quoted are exclusive of VAT and Postage and Packaging. VAT Reg No. 183438350. Prices are Valid only in the UK.

To place an order or for further information please contact:

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