TechSoft CAD/CAM Workstations

Shown here with RotoCAMM MDX-40AE and computer (supplied separately).

Creating appropriate workspaces with the right equipment levels is a familiar challenge for Design and Technology teachers, and particularly so when it comes to CAD/CAM equipment. Duplicating resources between rooms might be ideal, but most schools would struggle to find space or the budget to do this. Some schools have been able to develop a central CAD/CAM hub and others place key CAD/CAM resources in areas where all students will, at some point, be timetabled. Both strategies have their merits but a third is to move equipment to where it is needed, when it is needed. This flexible approach will, in addition, enable schools to quickly adapt teaching rooms in sympathy with curriculum developments.

To meet these needs, TechSoft have developed a range of workstations, each of which has been carefully designed to provide a complete, portable, 'Plug and Play' resource. The units are constructed for strength and smart appearance, and feature double-skin carcasses in key areas. Surfaces are selected for durability, and thick edge-lippings will help preserve appearances despite inevitable classroom knocks. The workstations move smoothly on lockable industrial grade castors.

All worktops are large enough for any TechSoft desktop-format CAM machine and a computer. Lockable cupboards contain a generous selection of trays for tooling, materials and space for a PC unit. Storage space is carefully configured to suit the designated application and, in the case of the milling/routing workstation, space for the included vacuum extractor. Mushroom-headed push-stop buttons with key-switch release, control the operation of the machine and extraction power outlets. Power status indicators allow a quick visual check if the machine is operational. The key-switch does not cut power to the PC, so work will not be lost. This gives the teacher flexible control over the use of the equipment. Where appropriate, an auto-switched outlet for the extraction system is provided, this also has a manual override for cleaning down. Cable management systems ensure safe, tidy and reliable performance. All extraction units provided, have external ventilation of the exhaust to prevent overheating.

Power Requirements: 240V, 13A Socket

TechSoft Miller/Router Workstation

Simply add a PC and a TechSoft/Roland SRM-20E/MDX-40AE/DE-3E (pages 65-68), and you're ready to go. The unit is fully-wired with key-switch control of the machine and the extraction unit. The extractor is included and will auto-run on MDX-40A & DE-3E machines. Manual switching can be used with other models and for cleaning down. Status indicators monitor the built-in power sockets and these include power for the PC. The PC socket is not controlled by the stop button / key switch so work will not be lost. Central storage trays will accommodate a generous supply of materials and securely store all the necessary tooling.

Prices £*	*See *Pricing Information* on page 2	
TF-WS3-C1	TechSoft Mobile Workstation for Milling, 1400x800x850mm c/w underbench cupboards containing in-built sockets, auto-switched extractor with manual override, Gratnell trays and storage space for computer.	

TechSoft Knife Cutting Workstation

The spacious worktop provides room for handling sheet or roll material for any TechSoft knife cutter up to and including the Roland CAMM 1 GS-24E (see page 34). Lockable storage space includes a PC bay, shelving for sheet material and drawers for several 500mm rolls of vinyl. The unit is fully-wired with key-switch control of machine power and one additional socket – possibly for use with a printer. Status indicators monitor the built-in power sockets and these include power for the PC. The PC socket is not controlled by the stop button / key switch so work will not be lost.

Prices £*	*See *Pricing Information* on page 2	
TF-WS3-C2	TechSoft Mobile Workstation for Knife Cutting, 1400x800x850mm c/w underbench cupboards containing in-built sockets, drawers, shelves and storage space for computer.	

Furniture

TechSoft CAD/CAM Workstations

TechSoft Embroidery Workstation

This workstation comfortably accommodates a multi-needle embroidery machine (see pages 104-105) and computer. Priority has been given to storage for materials and the numerous small accessories needed for these machines. In this format, the workstation is effectively a multi-purpose unit that could be used for any number of applications. The unit is fully-wired with key-switch control of machine power and one additional socket. Status indicators monitor the built-in power sockets and these include power for the PC. The PC socket is not controlled by the stop button / key switch so work will not be lost.

Prices £*	*See Pricing Information on page 2	
TF-WS3-C2	TechSoft Mobile Workstation for Embroidery, 1400x800x850mm *c/w underbench cupboards containing in-built sockets, drawers, shelves and storage space for computer.*	

TechSoft Image Transfer Workstation

Laser Image Transfer (see pages 118-119) or Sublimation Printing (see page 120-121) requires a PC, printer, heat press and a selection of specialist materials. This workstation has been configured to provide separate key-switch operation of the heat press and printer. The key-switches do not cut power to the PC, so work will not be lost. Secure storage space is included for specialist materials that must not be allowed to become muddled with general print media.

Prices £*	*See Pricing Information on page 2	
TF-WS3-C2	TechSoft Mobile Workstation for LIT, 1400x800x850mm *c/w underbench cupboards containing in-built sockets, drawers, shelves and storage space for computer.*	

TechSoft Wheeled Stand/Cupboard

uPrint 3D Printer Wheeled Stand/Cupboard

The ideal partner for a uPrint 3D Printer which matches our other workstations in height, depth and appearance. This sturdily built unit has been designed specifically to present the printer at a convenient height so that students can see work in progress. The cabinet interior is furnished to store materials and to house all the maintenance and service tools supplied with the machine. Industrial grade locking castors and secure location of the printer feet allow the 3D Printer to be wheeled between rooms when needed.

Prices £*	*See Pricing Information on page 2	
TF-WS4-C1	Wheeled Stand/Cupboard for uPrint or HP Designjet 3D Printer *(700x800x850mm)*	

Multi Purpose Wheeled Stand/Cupboard

This sturdily built unit has industrial grade locking castors allowing it to be wheeled between rooms when needed. The unit does not include power or cable management, but will match our workstation range as part of a set of flexible resources within a department. The interior has one shelf and two drawers providing ample storage for accessories and materials.

Prices £*	*See Pricing Information on page 2	
TF-WS4-C2	Multi-Purpose Wheeled Stand/Cupboard *(700x800x850m)*	

TechSoft Machine Stands

These robust machine stands are suitable for single machine installation in a permanent workshop layout. Although not portable as such, their modular nature means that changing workshop layouts could be achieved for minimal expense, particularly if the initial provision of power in the room takes these units into account. The machine stands are available with locking underbench cupboards that include a single shelf for storing tools and accessories.

Machine Stands are supplied without machines, but do include an extraction unit where indicated. The machine and any switches provided will need professionally wiring to a suitable isolator. Two configurations are available.

Machine Stand / Machine Stand with Optional Cupboard

SF-STAND4   SF-STAND5   SF-STAND7   SF-WB15-M1

These units will accommodate a bench drill or any other bench-top machine (see examples below).

Prices £*	*See Pricing Information on page 2	
SF-STAND4	Lervad Machine Bench, 600x600x790mm, Solid Beech Top	
SF-STAND5	Machine Bench, 700x600mm, adjustable height, MPX Top	
SF-STAND7	Machine Bench, 700x600mm, adjustable height, MPX Top with underbench cupboard containing shelf	
SF-WB15-M1	Bott Cubio Workstand 750 x 750 x 840mm. MPX Worktop	

Machine Stand with Extraction

This stand includes an auto-switching extraction unit. This configuration has been created specifically for use with a fretsaw (see example below).

Prices £*	*See Pricing Information on page 2	
MM-EXTRACT104P1	TechSoft Fretsaw Workstation 750 x 750 x 840mm. Excluding Fretsaw but complete with auto-switching Mobile Extractor (order fretsaw and footswitch separately)	

See page 158   See page 153

TechSoft Machine Workstations

Shown here with Optimum Drill supplied separately (see page 158).

A TechSoft workstation provides an ideal base for additional small machine tools that will allow them to be shared between rooms as timetables and project work demands. Each workstation features industrial quality locking castors for security once the unit is in place. Mushroom-headed push-stop buttons with key-switch release, control the operation of the machine and extraction power outlets. Power status indicators allow a quick visual check if the machine is operational. The Machine Workstation ensures that not only the machine, but all the necessary switches and wiring requirements, move with it.

Machines are not included with these units. If ordered complete with a machine from TechSoft, this will be fully installed before delivery for a true plug and play solution.

Machine Workstation with Foot-stop

This unit will accommodate a bench drill, small metal lathe or bench-top milling machine and includes a latching foot-stop to ensure full compliance with safety regulations. Storage space below includes Gratnell trays for tooling, accessories and general use.

Prices £*	*See Pricing Information on page 2	
TF-WS3-C4	*TechSoft Mobile Workstation for Workshop Machines, 1400x800x850mm c/w footstop, underbench cupboards containing in-built sockets, Gratnell trays and storage space.	

N.B. Legacy or customer supplied equipment will require professional installation at additional cost. TechSoft supplied new machines wil be fully installed before delivery.