

Production Quality PCB Drill



This high speed PCB drill machine is designed for continuous use in the accurate drilling of PCBs. The PCB drill press head is balanced on two internal springs so that very little force is needed to lower or raise the drill head. Two adjustable stops can be set to limit the drill movement. There is an integral lamp mounted under the throat casting to give good illumination. A drill guard is fitted to protect the operator from swarf and carbide drill bit breakages.

Specification	
Spindle Speed:	Two settings: 16000rpm and 22000rpm
Max. Circuit Board Width:	300mm
Throat Clearance:	150mm
Height under Chuck:	54mm
Chuck Capacity:	0-4mm
Motor:	100W
Weight:	12kg
Dimensions:	75(W) x 400(D) x 400(H)mm
Power Requirements:	240, 13A socket
Warranty:	UK Mainland: 1 Year Return to Base Elsewhere: 1 Year Return and Collect

Prices £*		*See Pricing Information on page 2
MM-DRILLPCB6	Production Quality High Speed PCB Drilling Machine (Includes a FX5 variable speed drill and a PCB Drill Stand)	

Production Quality PCB Routing/Drilling Machine



This high speed PCB router features a variable high speed spindle allowing complex rub-outs and contours to be mechanically etched to the surfaces of copper circuit board laminate PCB materials as well as conventional high speed PCB hole drilling. The unit includes a work illuminating lamp, a large base plate, key type chuck, fence and depth stop.

Specification	
Spindle Speed:	12000 - 22000rpm
Throat Clearance:	150mm
Height under Chuck:	54mm
Chuck Capacity:	0-4mm
Motor:	100W
Weight:	15kg
Dimensions:	200(W) x 420(D) x 400(H)mm
Power Requirements:	240V, 13A socket
Warranty:	UK Mainland: 1 Year Return to Base Elsewhere: 1 Year Return and Collect

Prices £*		*See Pricing Information on page 2
MM-DRILLPCB7	Production Quality Two Speed Routing/Drilling Machine (Includes a FX5R variable speed drill and a PCB Drill Stand)	

Tri-Etch Tank Unit



A self-contained triple process unit with built-in DEVELOP / SPRAY WASH / BUBBLE ETCH functions providing a convenient bench standing system. Connections are provided at the rear for drain and cold water requirements. Includes 2 heaters preset to 45°C approx. Ideal for the production of PCBs with a 310 x 240mm board capacity.

Specification	
Maximum Board Size:	310(W) x 210(D)mm
Weight:	6kg
Dimensions:	420(W) x 320(D) x 440(H)mm
Power Requirements:	240V, 13A Socket
Services:	Domestic-type cold water feed valve & drain
Warranty:	UK Mainland: 1 Year Return to Base Elsewhere: 1 Year Return and Collect

Prices £*		*See Pricing Information on page 2
MM-ETCHTANK8	PCB Etching, PA310 Tri-Tank Unit	

Rotary Vertical Spray Etchtank Machine

The Jet 34d is a rotary vertical etching machine ideally suited to the manufacture of prototype and small batch quantities of PCBs. As well as etching the unit can also be used for spray developing and spray resist stripping.

The Etching solution is contained in a tank at the base of the Etching machine. It is heated by a powerful quartz heater which assures a short warm up time and constant temperature which is controlled electronically. The Vertical Rotary Spray etches one side at a time and panels up to 400 x 300mm can be etched. In front of the etching chamber is a built-in overflow wash tank for the rinsing of the etched boards. The triangular form of the body of the machine makes it ideal to place in a corner of a room and the stand provides a convenient working height.



Specification	
Maximum Board Size:	400(W) x 300(D)mm
Weight:	6kg
Dimensions:	600(W) x 850(D) x 1100(H)mm
Power Requirements:	240V, 13A Socket
Services:	3 Cog Valves (etching tank, rinse overflow, rinse inlet)
Warranty:	UK Mainland: 1 Year Return to Base Elsewhere: 1 Year Return and Collect

Prices £*		*See Pricing Information on page 2
MM-ETCHTANK9	Jet 34D Rotary Vertical Spray Etchtank Machine	

Cantilever Workstations

Cantilever Workstations provide a smart and long-lasting furniture solution for general teaching areas and Technology rooms in particular. Units are modular in nature and based on 1200, 1500 or 1800mm lengths and 600 or 800mm work surface depths. Used with matching corner units and under-bench cupboards you will have the building blocks and flexibility to furnish almost any teaching space. To provide a bespoke solution, the basic Workstation is just the beginning. Sharing the same modular dimensions, a range of accessories now becomes available to create a custom teaching space for a wide variety of Technology teaching options.

ICT and Computing

A range of cable management options, monitor stands and CPU trays securely fasten to the workstation to provide a smart and ergonomically sensitive solution for all types of computer-based work.

See page 215 for full details

PECT – Pneumatics, Electronics and Control Technology

The on-bench facilities are all based around a modular trunking unit that fastens to the back edge of the workstation.



There are almost endless permutations of what facilities (and combinations of facility) can be selected but, in essence, options are based on the following:

- 240V sockets
- Fixed 5V DC protected power supply via standard 4mm sockets
- Dual rail protected power supply in stepped increments from 5V to 15V DC.
- Dual rail protected power supply adjustable from 5V to 15V DC. with integral analogue metering.
- Compressed air outlet for pneumatics work.
- 24V soldering iron supply.
- Solder fume extraction ports.
- RJ45 network ports.

See Electronics section page 92 for full details

Height Adjustable PECT Workstation



This 1200 x 750mm workstation is fitted with MPLV mains/low voltage trunking with a 24V soldering iron supply. The workstation can also have additional fume extraction trunking added which can be connected to a suitable extraction unit.

See Electronics section page 92 for further options

Prices £*		*See Pricing Information on page 2
SF-DESK5	Special Needs PECT Workstation 1200 x 750 x 670-970mm	

Basic Workstation



SF-DESK2G

Optional Underbench Cupboards

This underbench cupboard is designed to fit the 1500 x 800mm version of the Cantilever Workstation (above) and provides a general storage facility for a wide range of applications, while still providing ample leg room even for adults. They are produced in two configurations, the SF-DESK2GCS has shelves and the SF-DESK2GCT is supplied with 20 trays.



SF-DESK2G + SF-DESK2GCS

Height Adjustable Workstation



SF-DESK3 shown with
Walton Drawing Board

This height adjustable workstation allows access for all students and should be considered for inclusion in all work areas. The height of the work surface can be adjusted from 670mm to 970mm high using a removable winding handle.

Prices £*		*See Pricing Information on page 2
SF-DESK2A	Cantilever Workstation 900 x 600 x 725mm	
SF-DESK2B	Cantilever Workstation 1200 x 600 x 725mm	
SF-DESK2C	Cantilever Workstation 1500 x 600 x 725mm	
SF-DESK2D	Cantilever Workstation 1800 x 600 x 725mm	
SF-DESK2E	Cantilever Workstation 900 x 800 x 725mm	
SF-DESK2F	Cantilever Workstation 1200 x 800 x 725mm	
SF-DESK2G	Cantilever Workstation 1500 x 800 x 725mm	
SF-DESK2H	Cantilever Workstation 1800 x 800 x 725mm	
SF-DESK2ARCT	Round Corner Table, 800 x 800 x 725mm for 600mm deep SF-DESK2A/B/C/D	
SF-DESK2ERCT	Round Corner Table, 1000 x 1000 x 725mm for 800mm deep SF-DESK2E/F/G/H	
SF-DESK2GCS	Underbench Cupboard with Shelves for SF-DESK2G only	
SF-DESK2GCT	Underbench Cupboard with Trays for SF-DESK2G only	
SF-DESK3	Special Needs Height Adjustable Workstation 1200 x 750 x 670-970mm	