

# CLIFF

## Tools for Electronic Assembly



Quicktest



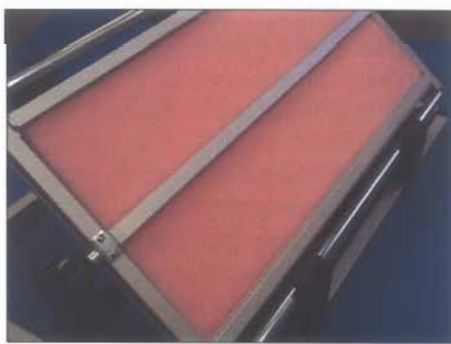
Preforming Machine



Fume Extractor



Task Lights



PC Workframe



Hand Tools

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# CLIFF

## Tools for Electronic Assembly

### Quicktest

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The Quicktest is ideal for electrical shops, factories, labs and service and test departments.

With the lid open the wires of a plug-less lead are inserted into the insulated clips. When the lid is closed, current passes to the equipment demonstrated or tested.

A neon light shows that the connector is live and ready to use. The 13 Amp fuse (BS 1362) is easily accessible for replacement.

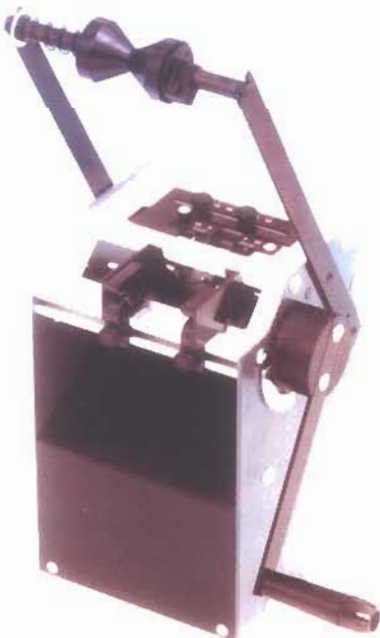
The connector is made of tough safe materials. The base is phenolic moulded for insulation and rigidity. The lid is flame retardant glass filled thermo plastic.

The insulated clips are colour coded for easy identification. The flexible cable grip will take any normal mains cable. Only one small screwdriver is needed for both the base entry and the terminal screws.

Part Number CL1850 €€

### PM-1 Pre-Forming Machine

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The PM-1 component pre forming machine is designed to cut to length and pre form axial lead components ready for fitting into PC boards. The components may be fed in bandolier form (assuming a 5 mm pitch between components or multiples thereof), or loose by the means of the built in chute slots.

Finished components are collected in a standard size storage box which may be located under the cutter head or in front of the machine.

All adjustments are carried out on the top of the machine, with setting instructions clearly displayed near the setting point.

The general construction features anodised aluminium body with heavy steel sides. The free running blades are 35mm in diameter and produced in M2 high speed steel. The cutting and bending wheels are produced in high carbon steel and are hardened and tempered as appropriate.

The machine will cut and pre form components at a rate of 40,000 per hour.

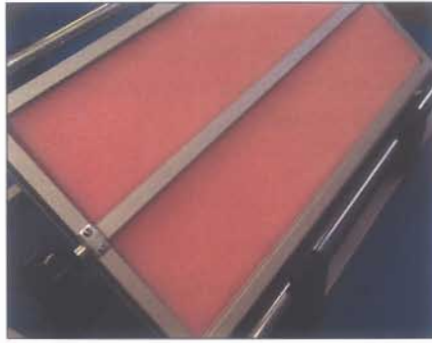
Guards are fitted all around the cutting and bending wheels to ensure the operator can work safely.

The PM-2 variation has the above features but is designed only to rapidly cut components out of a bandolier producing loose components with straight wires.

**Drawings available on request.**



## Workframe



PC workframes are designed to facilitate components loading and soldering of small batch runs of assembled printed circuits. The different size models will hold most common Euro norm sized PCB's in one or two rows depending on the PCB dimensions and size of frame. The working angle is adjustable from vertical to 45 degrees. Components are held in place by an antistatic foam sheet. The PCB's are retained in slots in spring loaded adjustable bars. The PCB's can be removed by just springing the bars—once they have been set correctly for the PCB size. This enables rapid loading / unloading in a production situation

### Specification:

Model No/Dimensions of Max sizes of PCB which can be held (mm)

Model	WF / 0	WF / 1	WF / 2
In 2 Rows	2 x 110 x 280	2 x 110 x 510	2 x 175 x 510
In 1 Row	1 x 230 x 230	1 x 130 x 510	1 x 360 x 510

## CLIFFUME®



### Compact Fumes Extractor

CLIFFUME SFE/1 is a low cost, compact, bench top fumes extractor system. It is primarily designed to be used adjacent to hand soldering operations, where it will remove much of the smoke and fumes away from the operator. It can also be used in a gluing environment. *(note some solvents may attack the case and filter).*

The unit needs to be located as close to the fumes source as is practical, usually 10-20cm. The optimum position can be found by looking for the maximum smoke collection. The stand is designed to hold the fan at an angle, and assist smoke collection.

SFE/1 contains a filter element comprising activated charcoal filled reticulated foam. This will absorb particles down to about 5 microns. Filters are low cost and easily changed. Replace the filter when soiled, or when fume collection is observed as significantly reduced. The case is made from antistatic ABS. The stand can be earthed for optimum static dissipation.

The UK model is supplied individually boxed with fitted 13A plug. Rated AC240V 50Hz. 0.2A. Max €€

Ordering codes: OD 6680 UK 230/240V AC  
OD 66805 Europe 220/240V AC (with Euro plug )  
OD 66807 USA 110/115V AC ( with USA plug )  
OD 6681 Pack of 5 filters

Contact: [sales@cliffuk.co.uk](mailto:sales@cliffuk.co.uk)

### Hand Tools



A range of high quality cutters nippers and special uses tools. The range is manufactured for use in the electronic industries. Each tool is precision made from tempered steel for long lasting wear. All models have plastic insulated and moulded grips to provide safety and comfort for the operator. The range of tools comprises many variants for specific tasks, they include:

**Clean cutters for ductile wires up to 1.5mm**

**Semi clean cutters for steel wire up to 1.5mm**

**Long handled nippers**

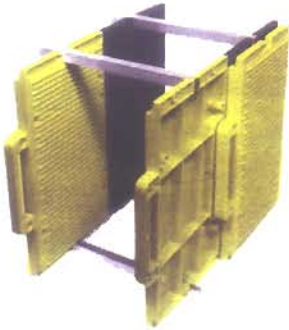
**Sheet metal cutter for thin metal, plastics, paper etc**

**Special use tools for bending, flattening and for work in narrow spaces.**

**General purpose crimping tools**

**Pliers with long jaws, curved jaws, needle nose jaws, smooth or knurled jaws.**

### Stack Rack



PC-01 is designed for safely holding PC boards during all stages of assembly / cleaning / testing. The width of the 'rack' module is easily adjusted from 0 to 290mm by sliding one side panel along the aluminium extrusion and tightening 2 screws. 1 Mtr lengths of extrusion are available, to allow construction of racks up to 970mm wide. The module is stackable in all directions so that racks of unlimited height and depth may be constructed. Plastic sides are antistatic—so sensitive devices may be safely stacked in PCBs—without special precautions other than to earth the rack.

PC-01C Conductive version. Side panels are made from conductive plastic, for use when highly sensitive IC's need protection against anti static charges throughout all handling, up to soak test or 'burn in'.

**Ordering Codes PC-01 Rack, CL1887**

**PC-01C Conductive Rack, CL18875**

### Artikula Task Lamp



The original Artikula high tech flexible arm system. This design closely simulates the features of the human spine. The clean graceful profile of the arm gives a smart 21st century look to the desk or the workplace.

**Available in two versions:**

Desk version ART—D. 2 joints with a reach of 75cm

Task version ART-T. 3 joints with reach of 110cm

Each lamp is supplied with an energy saving 11 watt lamp, equivalent to the light of a 75 watt bulb. This provides an even and non glare illumination

The Artikula is made from engineering class plastics and can be fixed by an innovative clamp which opens up to a max 100mm.

EC approved under ENEC-SE-0030, the lamp is supplied with 2.8M of cable a moulded plug and ballast.

Drawings available on request. Contact [sales@cliffuk.co.uk](mailto:sales@cliffuk.co.uk)

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