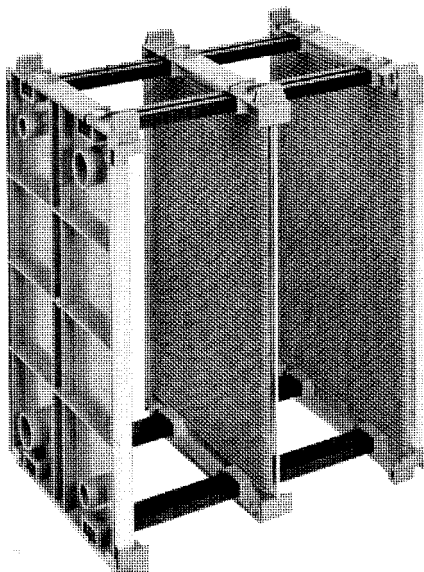


# Production Equipment

## Circuit board storage



### Laberack

Ideal for:

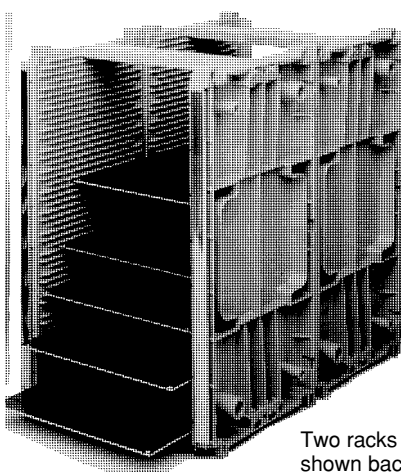
- Assembly line
- Inspection
- Climatic tests
- Storage
- Delivery

A large modular system moulded from black conductive plastic. These racks can be stacked in all planes and have four aluminium connecting rails. Rails are supplied in 1 metre lengths to allow cutting to your own requirements. Side and intermediate walls measure 480 x 290 x 35mm with 81 channels 5mm apart. Stainless steel stiffening ribs increase the rigidity of each panel. One rack is formed by two side walls and any number of intermediate walls.

**P521206** Laberack conductive sidewall

**P521208** Laberack conductive centre wall

**P521210** Laberack aluminium rail - 1 metre



Two racks  
shown back to back

### Mini Laberack

The Mini Laberack is a strong, light storage system moulded from black conductive plastic. This system allows PCB's to be loaded either horizontally or vertically on any three co-ordinates. Sidewalls measure 300 x 170 x 21mm and are joined by two "U" shaped aluminium extrusions. Each rack has 46 channels, 6mm apart. One rack is formed by two panels and two connecting rails.

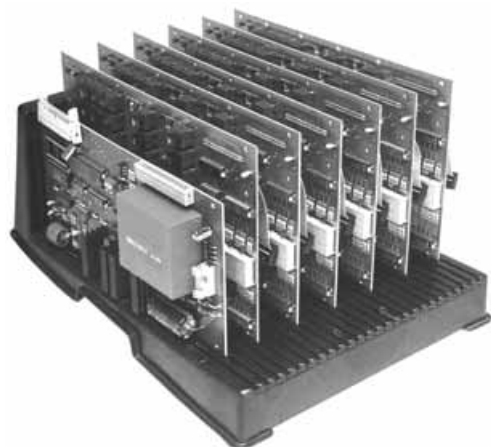
**P521213** Mini Laberack conductive sidewall

**P521215** Mini Laberack conductive centre wall

**P521216** Mini Laberack aluminium rail - 1 metre

**P521212** Mini Laberack ABS side wall

**P521214** Mini Laberack ABS centre wall



### Labertray

Produced in conductive polypropylene, the conductive L-shaped racks have multiple uses in the static free environment.

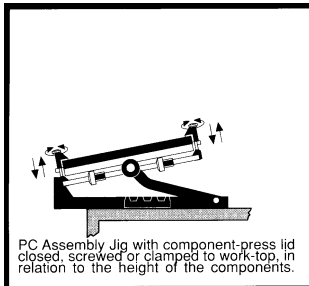
At work stations they hold PC boards during insertion, assembly, testing, burn in and rework.

**P521945** 25 board capacity 200 d x 260 w x 90 h mm

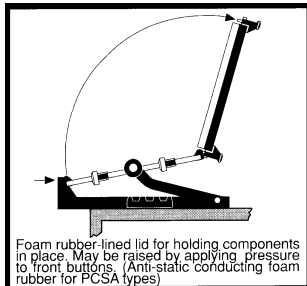
# Production Equipment

## Circuit Board Assembly Jigs

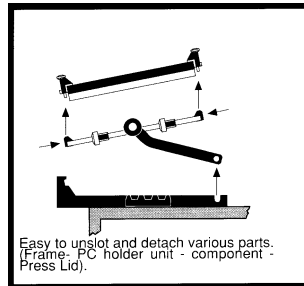
This popular range of precision antistatic assembly jigs are designed to simplify fitting and soldering of electronic components on most standard size PCB's. Circuit boards can be mounted either singly or in rows using additional rail sets which are available as an option. Each jig is supplied with one central rail and two sliding rails as standard. The ergonomic design of the jigs speed up production of completed PCB's.



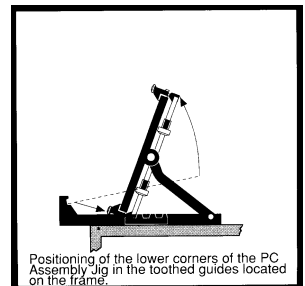
PC Assembly Jig with component-press lid closed, screwed or clamped to work-top, in relation to the height of the components.



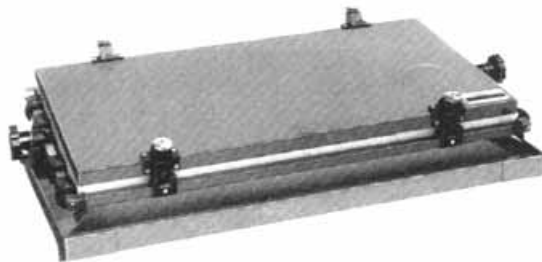
Foam rubber-lined lid for holding components in place. May be raised by applying pressure to front buttons. (Anti-static conducting foam rubber for PCSA types)



Easy to unslot and detach various parts. (Frame- PC holder unit - component - Press Lid).



Positioning of the lower corners of the PC Assembly Jig in the toothed guides located on the frame.



### Order Code

- PCSA2** PCB Holder (500x220mm)
- PCSA4** PCB Holder (500x350mm)
- P141624** Additional rail for PCSA-2/4
- P141489** Knob for spare rail - 2 required

A full range of spares including spare antistatic foam is available, please ask.

## Component Cut & Bend Machine

Superform Cut/Bend machines are designed to speed up and simplify cutting/bending of components. The sturdy construction and high quality of these machines will ensure many years of trouble free operation. Most models have independent adjustments to form components to a precise size and shape of bend. Even low volume users can benefit from the labour savings these machines offer. The Superform-A will bend components with a lead diameter up to 1.3mm.



### Order Code

- P201719** Superform-A Axial Cut & Bend Machine
- P201221** Superform-R Radial Cut & Bend Machine
- P201997** Optional reel holder arm
- P201735** Superform Single Component Feeder
- P201734** Superform Motor Drive

Other machines capable of preforming leads are available, please ask.

# Production Equipment

## Component Counter

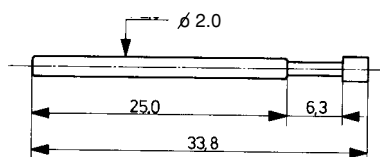


**P991226 County** is a microcomputer based instrument which counts any axial, radial or SMD Component (adaptor required). It adds in one direction and subtracts in reverse. An audible tone indicates that the desired number has been reached. For radial components a simple adaptor is included.

## Test Probes



**FK1030 Probe**



PTR test probes are manufactured in Germany to exacting standards which ensure the highest quality and reliability. They provide a significant time saving when a large number of identical PCB's must be tested. Many other head styles and sizes are available. Please ask for more information.

### Specifications:

**Recommended minimum centres:** 3.0mm

**Mechanical:** Full travel: 6.3mm

Recommended working travel: 5.0mm

Spring force at 4/5 travel: 3.0 N

Pre-load: 1.5 N

**Electrical:** Max. current: 3.0 amps

Terminal resistance:  $\leq 20$  milliOhms

### Materials and finish:

Barrel: Gold plated brass

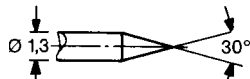
Spring: Silver plated steel

Plunger: Nickel plated steel

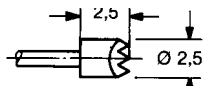
Receptacle: Gold plated brass

**Recommended hole size:** 2.35mm

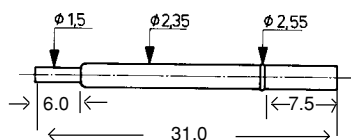
### Tip Styles



**FK1030B-1.5N-Ni**



**FK1030C-1.5N-Ni**



**H1030C Holder**