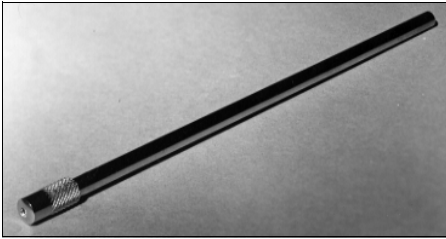


6

Tweezers & Small Tools

Wire Holder

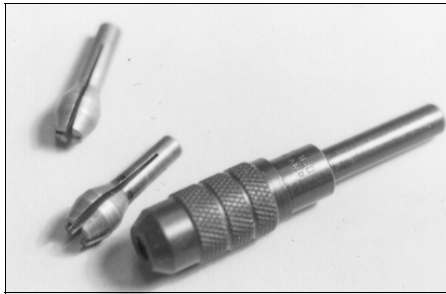


Nickel-plated brass, holder is fitted with screw chuck. Suitable for wire or needles up to 0.056mm diameter (24 SWG). Overall length of holder is 150mm

W080 Wire holder each

See Microtomy section page 12.17 for details on Nichrome wire, needles and loops.

Pin Chuck



Pin chuck supplied with 3 sizes of interchangeable collets. All steel with blackened finish.

Capacity: 0.25 to 2.5mm diameter (0.01 to 0.1 inch). Shaft diameter 6.50mm, overall length 60mm.

P070 Pin chuck each

Pin Vice, Slim



Slim knurled brass body 5mm diameter with steel chuck for fine work. Capacity 0 to 0.60mm, total length 98mm.

P266 Slim pin vice each

Pin Vice. Swivel



A precision tool with reversible collets for holding cylindrical objects from the smallest sizes up to 2.30mm diameter. The pin vice is 95mm long and the swivel head is 19mm diameter.

P148 Pin vice, swivel type each

Pintong



Precision made pintong with hardened steel chuck capacity 1.40 to 3.1mm diameter. The 90mm long pintong has knurled body for easy grip.

P286 Pintong each

Spatula



A choice of stainless steel or nickel spatulas, with one flat end and one slightly angled rounded end.

T117 Spatula, double, Chatterway, 200mm long, s/steel set 3
T117/N Spatula, double, Chatterway, 200mm long, **nickel** set 3
T118/125 Spatula, micro double, 125mm long, s/steel set 3
T118/150 Spatula, micro double, 150mm long, s/steel set 3
T118/200 Spatula, micro double, 200mm long, s/steel set 3

Spatula - Straight Spoon

Stainless steel spatula with a flat blade at one end and a spoon at the other. Overall length 210mm

T355 Spatula, straight spoon each



Spatula, Nuffield

A stainless steel spatula in the classic Nuffield pattern, length 140mm.

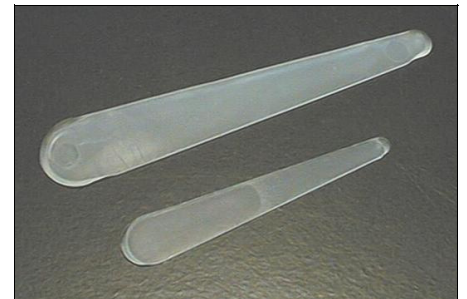
T356 Spatula, Nuffield pattern each

Spatula, Polypropylene

Polypropylene, Flat and tapered with chamfered ends. Can be autoclaved. Dimension given is overall length.

T510/100 Spatula, polyprop. 100mm per 10

T510/150 Spatula, polyprop. 150mm per 10



Palette Knife

Stainless steel parallel sided 100mm, 150mm or 200mm blade set in balanced wooden handle.

K079/100 Palette knife, 100mm blade each

K079/150 Palette knife, 150mm blade each

K079/200 Palette knife, 200mm blade each



Writing Diamond

A high quality writing diamond set in shaped wooden handle. For writing on glass, metal etc. or for scoring ampoules.

W078 Writing diamond each



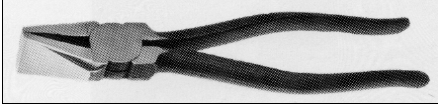
Glass Scorer

This glass scorer has a shaped handle for control and comfort and has a high quality tungsten carbide cutting wheel.

G051 Glass scorer each



Glass Breaking Pliers



Very strong pliers designed to give trouble free long life in the production of ultramicro-tome knives or for general glass breaking. They have an end mark on the jaws to line up with the score on the glass.

G103 Glass breaking pliers each

Watchmakers Screwdrivers



The ultimate in quality, precision screwdrivers in a metal stand each screwdriver is colour coded in a numbered rotating head. Spare blades are stored in the base and are in blade widths 0.6mm to 3.0mm. There are 9 screwdrivers in the set and each has a rotating end cap to the handle for ease of use.

S067 Watchmakers screwdriver set of 9 each

Screwdriver Set - Flat Blade



A set of 6 high-grade metric screwdrivers with the following blade widths – 0.8mm, 1.4mm, 2.0mm, 2.4mm, 2.9mm and 3.8mm. Housed in plastic case. The screwdrivers have hexagonal non-roll tops, fixed steel blades set in fluted bodies for firm grip.

S052 Screwdriver – flat blade, set of 6 each

Screwdriver Set - Crosshead

A set of 6 crosshead, high grade screwdrivers with blade diameter 0.4mm, 0.7mm, 1.0mm, 1.5mm, 3.0mm and 3.5mm. Housed in plastic case. The screwdrivers have hexagonal non-roll tops fixed steel blades in fluted bodies for firm grip.

S203 Screwdriver – crosshead, set of 6 each

Jewellers Saw - Fixed

Precision steel saw with hardwood handle, use with S051 blades.

S050 Jewellers saw – fixed each

Jewellers Saw - Adjustable

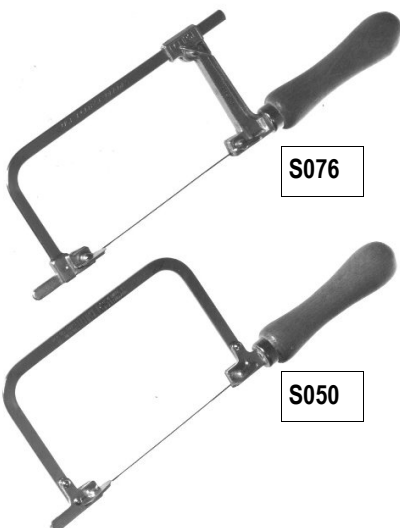
Precision steel saw with hardwood handle use with S051 blades. This saw has an adjustable frame to accept different lengths of blade – makes economical use of broken blades, otherwise thrown away.

S076 Jewellers saw – adjustable each

Spare Blades for Saw

Fine blades (44 teeth/inch) for delicate cutting of resin blocks etc. Can be used with both S050 and S076 Jewellers saws.

S051 Spare blades per 10



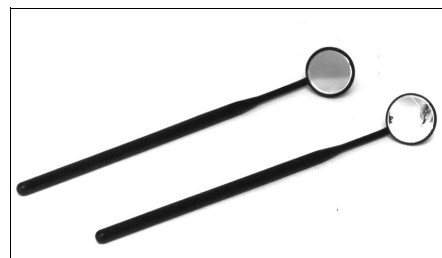
S076

S050

Inspection Mirrors

Completely insulated dental type mirrors. A one-piece steel handle is securely fixed to the shell and both are covered with a continuous thick layer of synthetic compound. Diameter of mirror 20mm. Length 165mm.

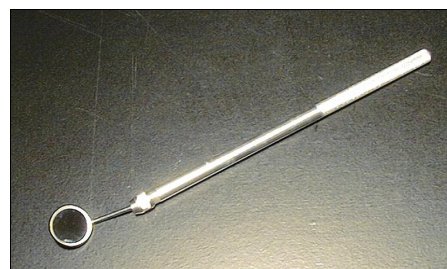
- | | | |
|-------------|---|------|
| M050 | Inspection mirror, plane | each |
| M051 | Inspection mirror, concave (magnifying) | each |



Inspection Mirrors - Swivel

A well designed ball and socket joint allows a standard mirror and stem to be moved in many directions at the end of a 228mm tubular handle. Diameter of mirror 20mm. Length 254mm.

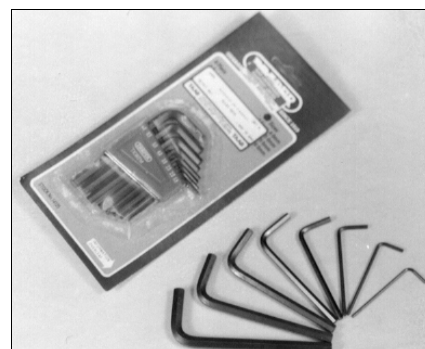
- | | | |
|-------------|---|------|
| M364 | Inspection mirror, swivel, plane | each |
| M365 | Inspection mirror, swivel, concave (magnifying) | each |



Allen Keys - Set

Socket screw wrenches in holder. Two sets are available, Metric 1.5mm to 6mm, Imperial $\frac{1}{16}$ to $\frac{1}{4}$ inch

- | | | |
|-------------|--------------------------------|------|
| A050 | Allen keys, metric, set of 6 | each |
| A051 | Allen keys, imperial, set of 8 | each |

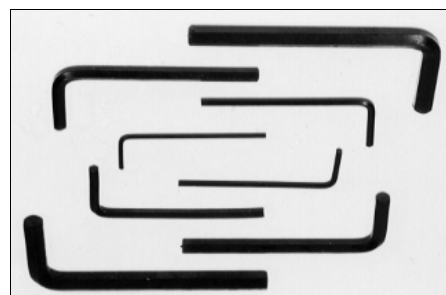


Allen Keys - Loose

To replace lost, worn, twisted, broken or borrowed keys, there is available a range of individual keys in both imperial and metric sizes. The keys are top quality, key hardened and tempered in standard length series.

Sold in units of one key

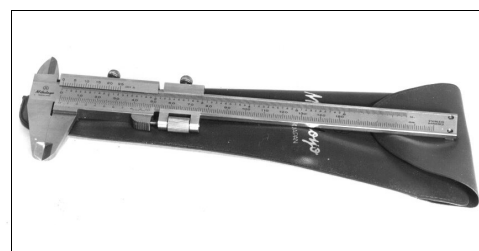
- | | | | |
|---------------|-----------------|---------------|-------------------------------|
| A073 | Allen key 1.5mm | A074 | Allen key $\frac{1}{16}$ inch |
| A073/1 | Allen key 2.0mm | A074/1 | Allen key $\frac{5}{64}$ inch |
| A073/2 | Allen key 2.5mm | A074/2 | Allen key $\frac{3}{32}$ inch |
| A073/3 | Allen key 3.0mm | A074/3 | Allen key $\frac{1}{8}$ inch |
| A073/4 | Allen key 4.0mm | A074/4 | Allen key $\frac{5}{32}$ inch |
| A073/5 | Allen key 5.0mm | A074/5 | Allen key $\frac{3}{16}$ inch |
| A073/6 | Allen key 6.0mm | A074/6 | Allen key $\frac{7}{32}$ inch |
| | | A074/7 | Allen key $\frac{1}{4}$ inch |



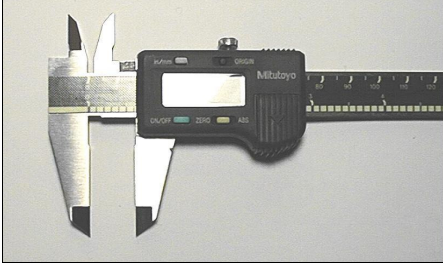
Vernier Callipers

The finest of vernier callipers, stainless steel satin chrome finish, hardened throughout. This vernier calliper is perfect for inside, outside and depth measurement, with micro adjustment for ultimate accuracy. Vernier scale 0.001inch x 0.02mm.

- | | | |
|-----------------|--------------------------------|------|
| V053/150 | Vernier callipers, 6inch/150mm | each |
| V053/200 | Vernier callipers, 8inch/200mm | each |



Vernier Callipers - Digimatic



This vernier calliper combines the highest quality with the latest 'state-of-the-art' electronics. Outside, inside, depth and step measurements are read rapidly from the high contrast LCD display in either imperial or metric with resolution to 0.0005inch or 0.01mm.

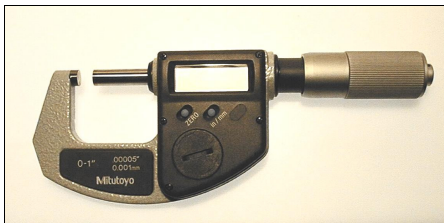
Instant inch/mm conversion: zero point at any position

Power off switch

Automatic wear compensation: Positive locking clamp

V068/150 Vernier calliper – digimatic, 6inch/150mm each

Micrometer - Digimatic



A lightweight electronic-micrometer with one-handed operation of the traditional micrometer linked to the advantaged of today's electronics. It has a resolution of 0.001mm or 0.0005inch and operates for about 2 years from a single silver oxide cell.

Large bright clear LCD digital display: Instant inch/mm conversion

Measurement hold key: Zero set in any position

Flatness 0.3% μ m/Parallelism 1% μ m

Power off switch

Ratchet type barrel operation

M134 Micrometer - digimatic, 0 - 1inch/0 - 25mm each

Micrometer



An economy high quality micrometer with enamelled frame of nodular cast iron. This micrometer is a precision instrument with a reading of 0.001inch or 0.01mm and is deal for general or student use.

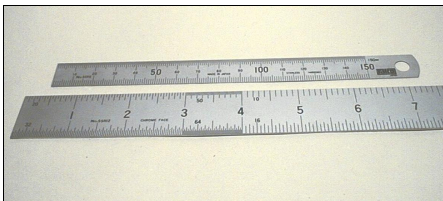
Ratchet type barrel operation

Tungsten carbide anvils

M135 Micrometer, imperial, 0 - 1inch each

M136 Micrometer, metric, 0 - 25mm each

Steel Rules



Precision, rustless steel rules – two sides – four edges. Subdivided inches in 16ths, 32nds, 64ths, 10ths, 20ths, 50ths, 100ths one side. Mm, $\frac{1}{2}$ mm figured every 10mm in mm other side. One round end.

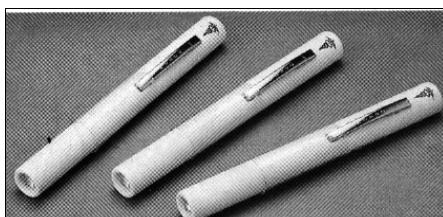
Available in two sizes: Length 6inch/150mm width 12.5mm – flexible

Length 12inch/300mm width 25mm

R074 Steel rule - 150mm (6inch) flexible each

R075 Steel rule - 300mm (12inch) each

Pen Light - Disposable



A small lightweight pen light which clips onto a pocket. It is useful for illuminating small inaccessible areas of instruments. Pressing the clip switch activates the light.

The pen light should be discarded when the battery runs out.

P403 Pen light – disposable per 6

Combination BA Spanners

A set of chrome vanadium steel spanners **0 to 6BA** with ring at one end, and open at other.

T127 Combination BA spanner set



Spanner 7 to 8BA

This dual open ended spanner compliments the combination BA spanner set (T127)

T128 Spanner 7 to 8BA each



Vacuum Vice

Removable soft rubber jaws covers 'V' grooved jaws for holding cylindrical and irregular shapes.

Multi-positional ball swivel allows vice working position to be varied. Powerful suction base allows greater portability and avoids the need for permanent fixing.

Jaw width: 3.00inch (75mm)

Jaw opening: 2.00inch (50mm)

Throat depth: 1.30inch (33mm)

V072 Vacuum vice each



Magnetic Jaws for Vice

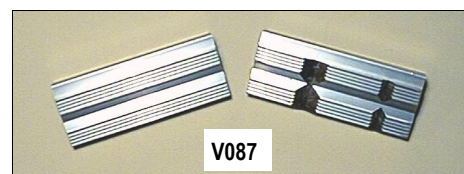
Magnetic jaws for **any** steel vice. Three types available: profiled aluminium with horizontal and vertical grooves to gently hold small objects, aluminium with fibre face and aluminium with rubber face.

Dimensions: 3 x 1/2 x 1/4 inch

V087 Aluminium jaws, magnetic set of 2

V088 Fibre faced jaws, magnetic set of 2

V089 Rubber faced jaws, magnetic set of 2



Bench Vice

This portable vice has a built-in clamp which allows it to be easily and quickly attached to a bench, table or work surface up to 40mm thick. A useful anvil is included on the rear of the body.

Jaw width: 3 inch (76mm)

Jaw opening: 2 inch (50mm)

Throat depth: 1.2 inch (31mm)

V069 Bench vice each

Fibre Jaws for Bench Vice

Designed for holding soft or plated workpieces and to provide a firm grip without fear of damage. Special fibre is more durable than other materials.

Dimension: 3 inch (75mm)

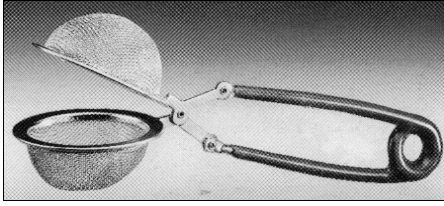
V070 Fibre jaws for bench vice each



6

Tweezers & Small Tools

Cleaning Basket



This stainless steel basket will hold small items safely and easily for cleaning. The basket is approx. 40mm diameter. Overall length 150mm.

C275 Cleaning basket – components each

Blowers *Simple blowers for dusting surfaces which should not be wiped.*



Rubber Blower

Best quality rubber blower with non-return valve fitted to prevent suck-back. Fine metal nozzle.

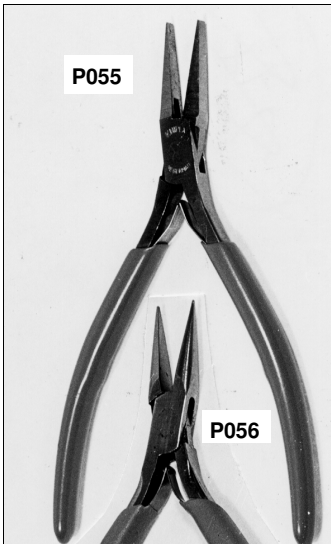
B167 Blower – rubber each

Plastic Blower



Plastic movement blower with long fine metal nozzle.

B346 Blower – plastic each



Knipex Pliers

High quality pliers with polished head, and box joint from special steel, oil hardened. PVC coated handles with return spring. Overall length 115mm.

P055 Knipex pliers, **flat** nosed each

P056 Knipex pliers, **snipe** nosed each

Knipex Diagonal Cutters



High quality strong cutters, with polished head, and box joint from special steel, oil hardened. PVC coated handles with return spring. Full flush cutting. Overall length 115mm.

P057 Knipex diagonal cutters each

Knipex Super Knips

(Cutting Pliers)

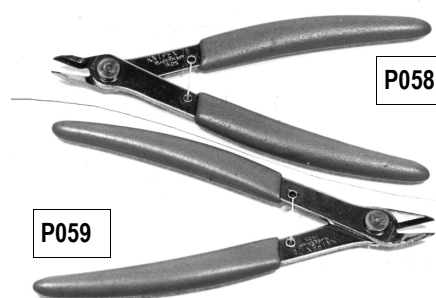
High quality, precision cutters. With polished head accurately shaped tips for cutting soft wires down to 0.2mm diameter. Long life cutting edges without bevel for flush cutting. Made from stainless steel with handles covered in a new cushioned plastic and with return spring. Both cutters are 125mm long.

Knipex super knips , narrow cutting tips for cutting soft wire 0.2mm to 1.2mm diameter.

P058 Knipex super knips, narrow tips each

Knipex super knips, straight cutting jaws accurately shaped for flush cutting soft wire 0.2mm to 1.6mm diameter.

P059 Knipex super knips, straight jaws each



Lindström RX Series Diagonal Cutters

Ergonomic ESD Dissipative

The RX range is manufactured from special steel with precision screw joint and lap-joint construction. All cutting edges are induction hardened to 63-65 HRC, for increased tool reliability and consistency. All models have a 3 position return spring (replaceable) to adjust the tool width and spring tension to suit individual hand sizes and strengths. Dual composition cushioned grip handles. ESD protection for conducting away static electricity, to European standard EN100 015.

Model RX8141 flush cutters, length of cut 10.5mm, cutting capacity - copper wire 0.10 to 1.25mm. Overall length 135mm.

P230 Lindström 'RX' diagonal cutters each

Model RX8247 flush oblique cutters, 45° angle. length of cut 6.7mm, cutting capacity - copper wire 0.20 to 1.00mm. Overall length 135mm.

P231 Lindström 'RX' oblique cutters each

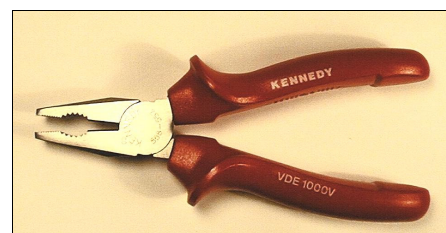
P496 Spare torsion springs pk5



Electricians Pliers

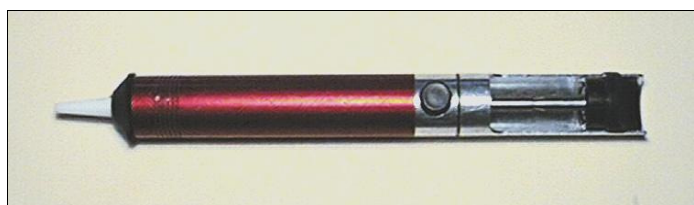
With pipe grip, side cutters and two joint cutters. Polished head. PVC handles insulated to withstand 1000 volts AC, 1500 volts DC.

P233 Electricians pliers each



De-Soldering Pump

This tool may be loaded and unloaded with one hand. The tip is replaceable, it is made of low resistance Teflon for long life. The spring loaded stroke and convenient size, together with the superior suction makes this a highly efficient unit, care and maintenance are reduced to a minimum because of the simple design and construction – only 3 separate pieces. Length 217mm, tip diameter 3.00mm



P197 De-Soldering pump each

P197/1 Replacement tip each

Loctite Super Glue *Liquid*



One component room temperature curing cyanoacrylate glue. High performance, instant bonding, colourless, no shrinkage. Available in different pack sizes and methods of application.

- 1) Extra long nozzle is ideal for difficult applications, a pin moulded into the cap ensures the nozzle doesn't clog and is always ready for re-use, 5g pack
- 2) Ultimate control - combines high-tech design and outstanding performance together in a unique dispenser. Ergonomic grip and side buttons allows perfect control of the glue flow, with no run on. Special buttons prevent direct contact with the glue. Its new safety 'lift and lock' system avoids accidental leakage - 3g pack.
- 3) Brush-on applicator allows you to easily control the amount of glue, and to spread it perfectly over any size of surface. The bottle insert wipes excess glue from the brush and prevents spillage in the event that the bottle is knocked over, 5g pack.

L071	Loctite super glue- long nozzle	5g
L071/U	Loctite super glue - Ultimate control	3g
L071/B	Loctite super glue - Brush	5g

Loctite Super Glue *Gel*



Similar to the L071 Super glue, but of a thick non-run gel for vertical, overhead or porous surfaces. Ideal for uses where super glue liquid would run. A pin moulded into the cap ensures the nozzle doesn't clog and is always ready for re-use, 3g pack
The Ultimate control super glue gel has the same dispensing features as L071/U

L091	Loctite super glue gel	3g
L091/U	Loctite super glue gel - Ultimate control	3g

Devcon 5 Minute Glue



Twin hypodermic dispenser is very convenient and eliminates the mess associated with epoxy glues and their dispensing. A fast setting clear (1:1 Ratio) epoxy bonding. Cures at temperatures down to 0°C

G064	Devcon 5 minute glue	each
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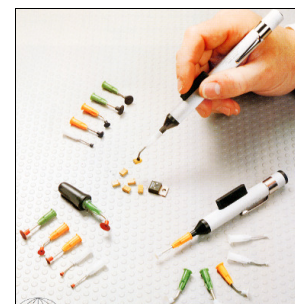
PEN-VAC Pumpless Vacuum Tweezers

PEN-VAC is the only pumpless vacuum pick-up available. It is totally self-contained and requires no vacuum pump, tubes or separate attachments, making it ideal for carrying around the laboratory, factory or in field service applications. There is a wide range of probe heads and accessories for almost any application.

PEN-VAC Original

PEN-VAC Original has blue anodized finish, is 5¾" (146mm) long with an integral storage compartment for vacuum cups and tips complete with six assembled probes and cups (three straight with large, medium and small cups, three angled with large, medium and small cups), or only one pair of probes (straight and angled) with the required cup size.

V097 PEN-VAC original



Penvac Original



Penvac ESD

PEN-VAC ESD Static Safe

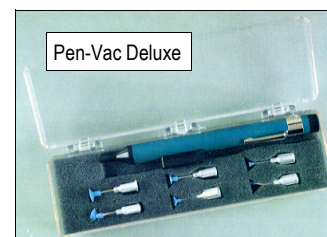
As PEN-VAC Original in a static safe version and clear aluminium finish.. Complete with set of conductive probes and black ESD safe cups. All relevant parts are conductive or non-static generating.

V098 PEN-VAC ESD static safe

PEN-VAC Deluxe

As PEN-VAC Original with a complete set of probes and cups with the addition of a clear plastic box with all the components individually displayed

V099 PEN-VAC deluxe



Pen-Vac Deluxe

PEN-VAC Junior

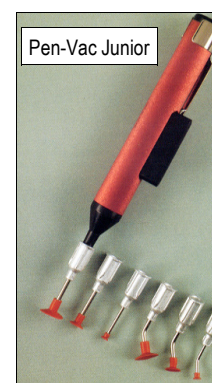
PEN-VAC Junior in cranberry anodized finish is 4¼" (103mm) long without an integral storage compartment. It can however, be supplied in the same configurations as Pen-Vac Original.

V100 PEN-VAC Junior

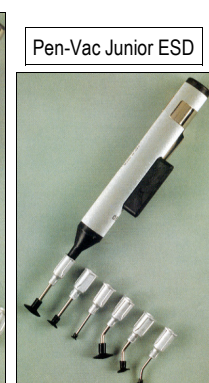
PEN-VAC Junior ESD Static Safe

As PEN-VAC Junior but in clear aluminium finish with high temperature Black ESD Silicone Cups to handle temperatures up to 500°F for 1 minute.

V101 PEN-VAC Junior ESD



Pen-Vac Junior



Pen-Vac Junior ESD

BULB-VAC

A small, inexpensive rubber bulb based suction tool with a choice of probes and cups

V102 BULB-VAC

