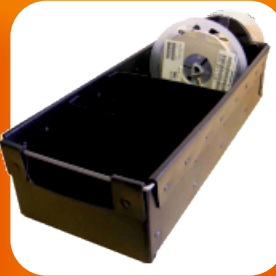
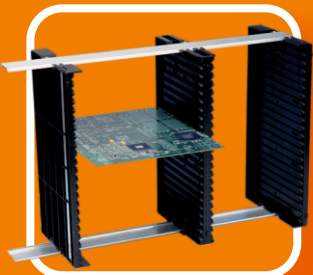


Grove Sales

Consumables, Tools
& Equipment for Industry



2018
Product
Catalogue



Welcome to Grove Sales Ltd Catalogue

We are proud and excited to present to you our 2018 online catalogue.

Grove Sales Limited is a family run business first established in May 1990. Over the years Grove has grown to be a successful company with a friendly, close knit team of experienced staff on hand ready to help.

We provide a diverse and extensive range of consumables that includes static control, hand tools, soldering products, cleaning solutions and many more products from leading manufacturers such as Vision Engineering, Weller, Ambersil and Qualitek amongst others.

At Grove we have a proactive website where you buy products online, Download technical data and Health and Safety sheets along with our latest offers and promotions so check it out! www.grovesales.co.uk

To top it off! We offer same day dispatch on all orders for stocked products placed before 3pm.

Ways to Order:

Tel: 01202 588900

Fax: 01202 588901

Email: sales@grovesales.co.uk

www.grovesales.co.uk

Unit 3 Beaver Industrial Estate
8 Airfield Road, Christchurch,
Dorset, BH23 3TG

All prices exclude VAT and are subject to change without prior notice

Used Equipment for Sale and Wanted

Grove Sales Limited is a long standing business that has been supplying used production equipment for over 20 years and have a totally satisfied client base.

We pride ourselves in supplying quality used equipment at the right price.

We offer a web advertising service to companies who wish to dispose of used equipment either on a commission basis or by purchasing equipment no longer required.

We are always looking for quality used equipment so please call or email us today with any equipment that you no longer use.

Please call **01202 588900** with any requirements, buying or selling.

- Website constantly being updated
- Register online today
- Weekly email offers





ESD ESSENTIALS

- Wrist Strap & Footwear Test Stations.....
- Surface Resistance Meter
- Bench Matting 2 Layer
- Black Conductive Bench Matting.....
- Cushion Matting
- Hole Cutter, Studs, Punch & Anvil.....
- Silica Gel Bags
- 4/6 Spot Humidity Indicator Cards
- Self Seal Anti-Static Bubble Bags.....
- Anti-Static Bubble Wrap
- Electrostatic Dissipative Pink Bags
- Static Shield Bags - Zip Lock.....
- Moisture Barrier Bags
- Static Shield Bags - Open Top.....
- Heel, Toe and Sole Grounders.....
- Wrist Straps.....
- Grounding Cords (Earth Leads)
- Earth Bonding Plugs and Points
- Gloves
- Dispensing Bottles.....
- ESD Attention Labels.....

ESD HANDLING MATERIALS

- Euro Containers.....
- Moulded PCB Racks - 25 Slot.....
- PCB Rack - 35 Slot
- Polypropylene PCB Holder
- PCB Storage Racks.....
- SMD Component Reel Holders
- Storage Boxes with Open Front.....

HAND TOOLS

- Kilews 5200 Electric Screwdriver
- ESD Standard, Micro & Chip Cutters
- ESD Long Nose and Needle Nose Pliers
- Polyimide Tape & Dots (Kapton)
- ESD Snipe, Flat & Round Nose - Pliers.....
- ESD Diagonal and Flush Cut - Cutters.....
- Tweezers.....

NEW EQUIPMENT

- CutBend Machine.....
- CutBend Spares
- CutBend Set up Tool.....

CLEANING & SERVICE AIDS

- PCB Cleaner, Flux Remover, CCL100.....
- Amberclens, Amberklene Fe10, Ambertron ...
- Air Duster, Invertible Air Duster, Anti Static ...
- Screen Cleaner, Label Remover, Glass Cleaner.
- Ba40 Solvent, 40+, AMS4 Silicone Grease ...
- Freezer, IPA Solvent, Acrylic Conformal Coat ..
- IPA 1 Litre Solvent
- De-Ionised Water.....
- De-Ionised Water/IPA Mix
- GTEK IPA Prem Wipes, GTEK IC Prem Wipes....
- GTEK IPA, GTEK IC and GTEK Dry Wipes.....
- GTEK Cleanroom Wipes.....
- Nitrile Exam Powder Free Gloves
- Blue Wypall Wipes.....
- Kimtech Science Precision Wipes
- Heavy Duty Bin Liners.....

Tape & Dots

- Splice/Feeder Tape & Clips.....
- Grid, Red Litho & C/C Masking Tape.....
- Polyimide Tape & Dots.....
- Long Reach Magnifier Lamp LED.....
- Carbon Knitted, PU Palm & Nitrile Powder Free Gloves.....
- IPA Premium Wipes.....
- Reel Holders, Dispensing Bottles ESD Safe.....
- Digi Microscope HDMI.....

ESD ESSENTIALS · ESD ESSENTIALS · ESD ESSENTIALS

ESD BAGS · ESD BAGS



We stock a wide range of ESD bags:

- Static Shield
- Electrostatic Dissipative Pink
- Self Seal Bubble
- Various sizes stocked

Also featured in this issue . . .



ESD ESSENTIALS · ESD ESSENTIALS · ESD ESSENTIALS

WRIST STRAP AND FOOTWEAR TEST STATION - COMPLETE ESD

This Complete Test Station is a wall mounted unit for checking the continuity of fitted wrist-straps and cords, fitted shoes, heel straps or toe grounders.

- Kit Includes:
- ESD Wrist Strap Tester
 - ESD Footwear Tester
 - ESD Wall Mounted Bracket



Part No 106-103



SURFACE RESISTANCE METER ESD

- Surface resistance meter. (Includes carrying pouch)
- The meter measures both surface resistivity and resistance to ground
- Portable instrument for measuring both surface resistivity and resistance to ground. (Using 10 / 100 volts).
- Very easy to use. (Requires 9 volt battery).

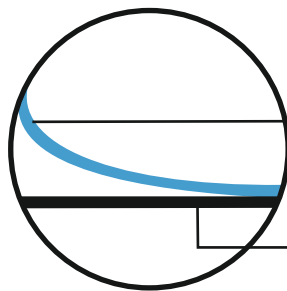
ESD ESSENTIALS · ESD ESSENTIALS · ESD ESSENTIALS

**BENCH MATTING
ESD (BLUE)
2 LAYER**

Extremely durable
(2mm thick) Solder
Resistant, Coloured
Rubber Surface.

- High Quality ESD Bench Matting
- Heat resistant: rubber does not melt or burn coming into contact with hot metal parts or solder debris
- Resistant to chemical agents normally used for maintenance
- Suitable for loose laying; does not require application with adhesive

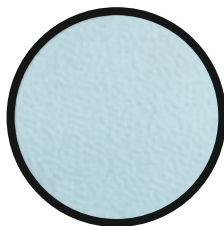
10m x
1.2m
Roll



Static
Dissipative
Layer
Conductive
Layer

STOCKED

CALL FOR DELIVERY



Blue

Part No. G-SBM-R1



Grey

Part No. G-SBM-R4



Green

Part No. G-SBM-R2



Beige

Part No. G-SBM-R3



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BLACK CONDUCTIVE BENCH MATTING

NEW PRODUCT in stock. Rugged synthetic Rubber, ideal for shelving.



CUSHION MATTING

38 x 45cm, Grey ESD

- Vinyl foam material
- Used in conjunction with grounded work
- Surface resistance: <10-10 Ohms/ Square
- Dimensions: 380mm x 450mm
- Thickness: 5mm +/- 10%



STUDS

Studs 100 x 10mm
Part No 101-080



STUDS, PUNCH & ANVIL

Punch & Anvil +
100 x 10mm
Studs



HOLE CUTTER, STUDS, PUNCH & ANVIL

Complete Studding Kit
(10mm Punch & Anvil, 100 studs
& Hole Puncher)

Part No 101-113-1



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SILICA GEL BAGS

The use of silica gel desiccant bags provides an economic way of protecting against moisture damage during transit and storage. Silica gel bags are ideal for general packaging applications, electrical/electronic enclosures and communications equipment.

- Desiccant Type: Non-indicating beaded silica gel
- Nominal absorption capacity (by weight): 25% at 50% RH and 25°C
- Operating temperature range: -40°C to +70°C
- Non-indicating silica gel Material Safety Data Sheet Ref: MCS/107/MSDS

Part No.	Wgt	Size	Pack	Price
101-002-1	1gm	30 x 50mm	4000	£106.20
101-002-2	5gm	30 x 80mm	1500	£112.50
101-002-3	25gm	100 x 95mm	300	£99.00

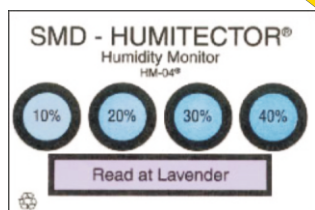
4 SPOT HUMIDITY INDICATOR CARD

Used to determine if products have been exposed to moisture above recommended storage levels. Verifies the effectiveness of moisture barrier packaging, spots change colour from blue to pink when humidity is present providing a quick visual inspection.

4 Spot 10% 20% 30% 40% RH125
Pack of 100



Part No 101-000-1

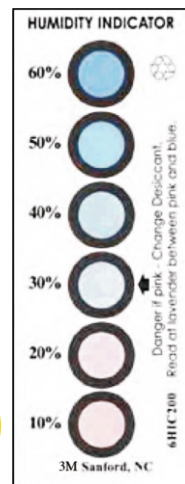


6 SPOT HUMIDITY INDICATOR CARD

6 Spot 10% 20% 30%
40% 50% 60% RH250
Pack of 200



Part No 101-000-2



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SELF SEAL ANTI-STATIC BUBBLE BAGS (Qty from 100 to 750/Box) ESD

A low cost pink anti static bubble bag, ideal for providing physical protection in transit, and keeping internal packed contents free from damage and electrostatic charge.

Part No:	Size	Quantity
102-748-J	100 x 135mm / 30mm	QTY: 750 / BB1AS
102-749-J	130 x 185mm / 30mm	QTY: 500 / BB2AS
102-750-J	180 x 235mm / 30mm	QTY: 300 / BB3AS
102-751-J	230 x 285mm / 30mm	QTY: 300 / BB4AS
102-752-J	280 x 360mm / 30mm	QTY: 150 / BB5AS
102-753-J	305 x 435mm / 30mm	QTY: 150 / BB6AS
102-754-J	380 x 435mm / 30mm	QTY: 100 / BB7AS



ANTI-STATIC BUBBLE WRAP

Ideal for packaging Electronic Devices as it does not produce static charges in handling and prevents static discharge to contents, making it the ideal choice for items that are sensitive to static electricity.

Available in both Small & Large cell bubbles.



Part No:	Bubble Size	Length	Width
901-108-J	Small Bubble	100m	1 x 1500mm
901-104-J	Small Bubble	100m	2 x 750mm
901-101-J	Small Bubble	100m	3 x 500mm
901-109-J	Small Bubble	100m	5 x 300mm
901-124-J	Large Bubble	50m	1 x 1500mm
901-152-J	Large Bubble	50m	2 x 750mm

PLEASE CALL US FOR PRICES

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ELECTROSTATIC DISSIPATIVE PINK BAGS (100/Pack) Zip Lock ESD

A soft textured and flexible pink antistatic 300 gauge poly bag for packaging non ESD items within an ESD protected area. Blow-moulded with anti-static additives from LDPE and LLDPE.

Part No:	Size Inches	Size mm
G-SPZB-35	(3" x 5")	75 x 125mm
G-SPZB-46	(4" x 6")	100 x 150mm
G-SPZB-58	(5" x 8")	125 x 200mm
G-SPZB-610	(6" x 10")	150 x 250mm
G-SPZB-810	(8" x 10")	200 x 250mm
G-SPZB-1012	(10" x 12")	250 x 300mm
G-SPZB-1216	(12" x 16")	300 x 400mm



ELECTROSTATIC DISSIPATIVE PINK BAGS (100/Pack) Open Top ESD

Thickness of 75 microns, printed with ESD logo. Offers humidity independent ESD protection. Blow-moulded with anti-static additives from LDPE and LLDPE.

Code	Size Inches	Size mm
G-SPB-35	(3" x 5")	75 x 125mm
G-SPB-46	(4" x 6")	100 x 150mm
G-SPB-58	(5" x 8")	125 x 200mm
G-SPB-610	(6" x 10")	150 x 250mm
G-SPB-810	(8" x 10")	200 x 250mm
G-SPB-1012	(10" x 12")	250 x 300mm
G-SPB-1216	(12" x 16")	300 x 400mm
G-SPB-1824	(18" x 24")	450 x 600mm



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STATIC SHIELD BAGS (100/Pack) Zip Lock ESD

Metallised shielding bags with zip lock strip for easy sealing. Shielding bag construction has embedded inner aluminium film layer acting as an electrical shield against electrical discharges from outside of the bag.

Custom sizes and print available on request

Code	Size Inches	Size mm
G-SSZB-35	(3" x 5")	75 x 125mm
G-SSZB-46	(4" x 6")	100 x 150mm
G-SSZB-58	(5" x 8")	125 x 200mm
G-SSZB-610	(6" x 10")	150 x 250mm
G-SSZB-810	(8" x 10")	200 x 250mm
G-SSZB-1012	(10" x 12")	250 x 300mm
G-SSZB-1216	(12" x 16")	300 x 400mm



MOISTURE BARRIER BAGS (100/Pack) Open Top ESD

This aluminized moisture barrier bag is designed to provide a static safe environment for sensitive electronic devices. Moisture Barrier Bags are manufactured from a laminate of multiple layers of aluminized polyester and polyethylene. Polyester provides puncture resistance. Metal layers are intended to provide shielding of Electrostatic Discharge (ESD) and to help minimize the penetration of electric fields. These bags are tested to meet or exceed certain electrical and physical requirements of ANSI/ESD S541, and to be ANSI/ESD S20.20 program compliant. Bags are RoHS Compliant* and lead-free.

Part No G-SMB2-



Please call for prices, sizes and availability

ESD ESSENTIALS · ESD ESSENTIALS · ESD ESSENTIALS

STATIC SHIELD BAGS

(100/Pack) Open Top ESD

These anti static bags provide protection against ESD, and are suitable for packing electronic products which are sensitive to static, eg PCB's, integrated circuits, CD Drives, Hard Drives etc.



Code	Size Inches	Size mm	Price
G-SSB-35	(3" x 5")	75 x 125mm	£3.10
G-SSB-46	(4" x 6")	100 x 150mm	£4.07
G-SSB-48	(4" x 8")	100 x 200mm	£5.59
G-SSB-56	(5" x 6")	127 x 153mm	£6.60
G-SSB-58	(5" x 8")	125 x 200mm	£5.99
G-SSB-510	(5" x 10")	127 x 250mm	£5.50
G-SSB-68	(6" x 8")	150 x 200mm	£6.16
G-SSB-424	(4" x 24")	102 x 610mm	£10.41
G-SSB-610	(6" x 10")	150 x 250mm	£7.95
G-SSB-612	(6" x 12")	150 x 300mm	£8.75
G-SSB-810	(8" x 10")	200 x 250mm	£9.08
G-SSB-812	(8" x 12")	203 x 305mm	£9.19
G-SSB-1012	(10" x 12")	250 x 300mm	£13.47
G-SSB-1014	(10" x 14")	250 x 350mm	£14.36
G-SSB-1216	(12" x 16")	300 x 400mm	£17.94
G-SSB-1218	(12" x 18")	300 x 450mm	£23.38
G-SSB-1618	(16" x 18")	400 x 450mm	£26.35
G-SSB-1824	(18" x 24")	450 x 600mm	£39.51

**ORDER 50+
OF ANY
COMBINATION
OF SIZES
AND GET
25%
OFF**

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HEEL GROUNTERS WITH VELCRO ESD

A hardwearing toe grounder designed to ensure long term ESD protection to all personnel. Resistance to ground (RG) of 106w to 107w and conforms to BS IEC 61340-5-41.



HEEL GROUNTER WITH CLIP ESD

A hardwearing toe grounder designed to ensure long term ESD protection to all personnel. Resistance to ground (RG) of 106w to 107w and conforms to BS IEC 61340-5-41.



TOE GROUNTERS BLACK ESD

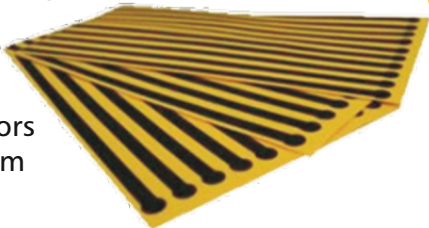
A hardwearing toe grounder designed to ensure long term ESD protection to all personnel. Resistance to ground (RG) of 106w to 107w and conforms to BS IEC 61340-5-41.



ESD ESSENTIALS · ESD ESSENTIALS · ESD ESSENTIALS

**HEEL GROUNTERS -
DISPOSABLE** (100/Pack) ESD

Made from antistatic fabrics which provide safe and effective resistance. The disposable heel grounder uses the conductive yarn in the antistatic fabric to create and maintain electrical contact between the ground and body and can optimise static dissipation. A hardwearing disposable heel grounder designed to ensure long term ESD protection to all personnel. Each heel grounder has a built in 1M Ohm resistor. Ideal for visitors to a cleanroom environment.



Part No 101-109



Part No G-SS- (Then Size) S, M, L or XL



SOLE GROUNTERS ESD

- A hardwearing sole grounder designed to ensure long term ESD protection to all personnel
- Each sole grounder has a built in 1M Ohm resistor
- Velcro Type with D Ring for size adjustment
- Double layers, conductive cup
- 3/4" Black velcro, 2 pcs D-Ring, 3/4" Elastic Strap
- Recommended to be worn on both feet
- Available in S,M,L or XL

Grove Sales Ltd

Unit 3, Beaver Industrial Estate, 8 Airfield Road,
Christchurch, Dorset, England BH23 3TG

+44 (0)1202 588900

sales@grovesales.co.uk

www.grovesales.co.uk

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ESD WRIST STRAP

HYPO-ALLERGENIC (Premium)

Manufactured from ESD Premium High Comfort Woven material designed for maximum comfort and all day use. Supplied with a 10mm stud for attachment of an ESD grounding cord to allow connection to an Earth bonding point.

Features:

- Lightweight and comfortable
- Woven Silver fibres for maximum conductivity
- Fully adjustable
- Curved buckle for added comfort
- Manufactured to BS EN 61340-5



ESD WRIST STRAP

HYPO-ALLERGENIC ADJUSTABLE METAL 1 x 10mm Stud

Made from Hypo-Allergenic, jewellery grade stainless-steel. Adjustable via removing or adding anti static plastic links.

Part No: 101-111 Blue

Part No: 101-111-BK Black



ESD WRIST STRAP

HYPO-ALLERGENIC CLEANROOM PU (Blue)

Economical adjustable, Hypo-Allergenic Wrist Strap for use in Class 100 Cleanrooms.

Part No: G-SWSC-1



ESD ESSENTIALS · ESD ESSENTIALS · ESD ESSENTIALS

ESD GROUNDING CORD

(Earth Lead) BLUE Coiled - Stud to Banana Plug 10mm (1.8M)

Manufactured with increased moulding around the cord terminations to give extra strain relief. 1 Meg ohm safety resistor fitted.



Part No:
G-SCCS-C1



ESD GROUNDING CORD

(Earth Lead) BLUE Coiled - Stud to Stud 10mm (1.8M)

Manufactured with increased moulding around the cord terminations to give extra strain relief. 1 Meg ohm safety resistor fitted.



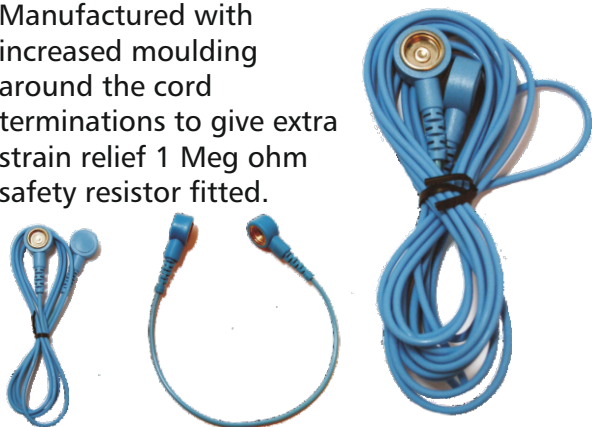
Part No:
G-SCC-S1



ESD GROUNDING CORD

(Earth Lead) BLUE Straight - Stud to Stud 10mm (10", 1M or 3M)

Manufactured with increased moulding around the cord terminations to give extra strain relief 1 Meg ohm safety resistor fitted.



G-SEL-S11 10" length
G-SEL-S12 1m length
G-SEL-S13 3m length



ESD GROUNDING CORD

(Earth Lead) BLUE Straight - Stud to Banana Plug 10mm (10", 1M or 3M)

Manufactured with increased moulding around the cord terminations to give extra strain relief. 1 Meg ohm safety resistor fitted.



G-SEL-C11 10" length
G-SEL-C12 1m length
G-SEL-C13 3m length



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ESD EARTH BONDING PLUG

1 x 10mm Stud
1 x 7mm Stud
1 x Banana Socket

Part No:
101-092-6



ESD EARTH BONDING EURO PLUG 1 x 10mm stud
2 x Banana Sockets

Part No:
101-092-7



ESD EARTH BONDING PLUG 1 x 10mm Stud
ESD

Part No:
101-092-2



ESD EARTH BONDING PLUG 1 x 10mm Stud
NO RESISTOR
ESD

Part No:
101-092-1



ESD EARTH BONDING PLUG 2 x 10mm Studs, 1 x M5 Post
ESD

Part No:
101-092-8



ESD EARTH BONDING PLUG 3 x 10mm Studs
ESD

Part No:
101-092-3



ESD EARTH BONDING POINT 1 x 10mm Stud
2 x Banana Sockets
ESD

Part No:
101-090-4



ESD EARTH BONDING POINT 3 x 10mm Studs
ESD

Part No:
101-090-1



ESD EARTH BONDING POINT 3 x Banana Sockets
ESD

Part No:
101-090-5



ESD ESSENTIALS · ESD ESSENTIALS · ESD ESSENTIALS

DOTTED PALM GRIP GLOVES

ESD Anti Static glove, PVC dotted palm, with non slip properties, ideal for use in micro electronics, assembly and packing



Part No.	Pack Size
G-G101-S	(1 Pair Small)
G-G101-M	(1 Pair Medium)
G-G101-L	(1 Pair Large)
G-G101-XL	(1 Pair Extra Large)

CARBON KNITTED GLOVES

ESD knitted glove with dissipative carbon filament and polyurethane (PU) coating on the finger tip sections



Part No.	Pack Size
122-200-S	(1 Pair Small)
122-200-M	(1 Pair Medium)
122-200-L	(1 Pair Large)
122-200-XL	(1 Pair Extra Large)

NITRILE EXAM POWDER FREE GLOVES Medical Grade

Nitrile Synthetic rubber which offers much better puncture and abrasion resistance than natural rubber or vinyl



Part No.	Size	Pack Size
122-100-SS	(Super Small)	100 Gloves
122-100-S	(Small)	100 Gloves
122-100-M	(Medium)	100 Gloves
122-100-L	(Large)	100 Gloves
122-100-XL	(Extra Large)	100 Gloves

LATEX POWDER FREE GLOVES Medical Grade

Latex Powder Free examination gloves provide excellent protection alongside superior fit and feel



Part No.	Size	Pack Size
122-104-S	(Small)	100 Gloves
122-104-M	(Medium)	100 Gloves
122-104-L	(Large)	100 Gloves
122-104-XL	(Extra Large)	100 Gloves

ORDER 50+ OF NITRILE EXAM OR LATEX GLOVES AND GET **25% OFF**

Grove Sales Ltd

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Christchurch, Dorset, England BH23 3TG

+44 (0)1202 588900

sales@grovesales.co.uk

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DISPENSING BOTTLES ESD SAFE

Grove ESD dispensers are designed with the perfect way to dispense alcohol, acetone, isopropanol, methanol, turpenes, thinner and any other liquid applied with a swab, wipe or cotton ball.

Bottle material is made from a HDPE mixed with an anti-static compound material with a surface resistance of 10,9 - 10,11.

Mechanical pump is made from Stainless Steel.

Part No	Bottle Size
G-SBD-12	ESD Safe Dispensing Bottle 120ml
G-SBD-18	ESD Safe Dispensing Bottle 180ml



Part No 104-105



**NEW
LOWER
PRICE**

ATTENTION LABEL WITH ARC (1000/roll) ESD

Yellow ESD Attention labels printed with black text onto a yellow background

Part No.	Pack	Size
104-105	1000	25 x 45mm

Paper Labels, Self-adhesive, Supplied on release paper Industry ESD static susceptible symbol.

Other sizes available call
01202 588900 or go online
www.grovesales.co.uk

ESD HANDLING MATERIALS · ESD HANDLING MATERIALS

EURO CONTAINERS ESD

- These ESD containers are made of plastics that were specifically designed for transporting sensitive electronic devices
- They reliably prevent electrostatic charge and divert already existing charges
- Special volume resistivity/surface resistivity: $106 < 1010 \text{ Ohm cm}$
- Available in a range of different sizes
- Design: Base and sides closed, with closed handles
- Material: 1A new material PP-Copo
- Colour: Black



EURO CONTAINERS ESD

Available to order sizes

G-4375-C	400 x 300 x 75mm
G-4312-C	400 x 300 x 120mm
G-4322-C	400 x 300 x 220mm
G-4332-C	400 x 300 x 320mm
G-6475-C	600 x 400 x 75mm
G-6427-C	600 x 400 x 270mm
G-6442-C	600 x 400 x 420mm
G-8612-C	800 x 600 x 120mm
G-8622-C	800 x 600 x 220mm
G-8632-C	800 x 600 x 320mm
G-8642-C	800 x 600 x 420mm

*Stocked items generally available for immediate delivery

All dimensions are external

***STOCKED**

Part No G-4327-C



● 400 x 300 x 270mm

***STOCKED**

Part No G-4317-C



● 400 x 300 x 170mm

***STOCKED**

Part No G-6412-C



● 600 x 400 x 120mm

***STOCKED**

Part No G-6417-C



● 600 x 400 x 170mm

***STOCKED**

Part No G-6422-C



● 600 x 400 x 220mm

***STOCKED**

Part No G-6432-C



● 600 x 400 x 320mm

ESD HANDLING MATERIALS · ESD HANDLING MATERIALS

MOULDED PCB RACKS

- Robust moulded PCB racks offer a very convenient method of storage in assembly area.
- Can be used in conjunction with conductive picking bins, transport stacking, Euro-Fix containers and on its own.
- Available in two sizes:
109-100-1 Max Board Thickness 3.2mm Size 275 x 206 x 93mm
109-100-2 Max Board Thickness 2.4mm Size 335 x 265 x 130mm
- Made from conductive polypropylene.
- Electrical Resistance Rv: 103 to 105 Ω.
- Recommended maximum operating temperature is 750C



PCB RACK

- PCB RACK, holds up to 35 PCB's
- Slats moulded from conductive polypropylene
- Ideal for the transportation of PCB's
- Size: 275 x 406 x 150mm



POLYPROPYLENE PCB HOLDER

- Conductive flat black polypropylene PCB holder
- Featuring grip openings for easier handling.
- Can be used to store and handle many styles of PCB's
- Keeps PCB's visible and organised
- Rs $10^2 - 10^5 \Omega$
- Can be stacked using compatible posts
- Size: 357 x 257 x 14mm

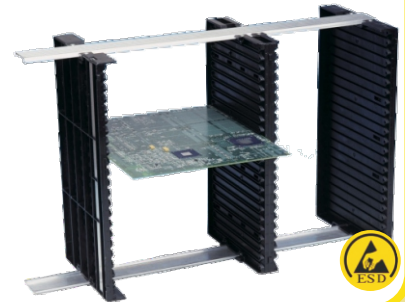


ESD HANDLING MATERIALS · ESD HANDLING MATERIALS

PCB STORAGE RACKS

- Simple yet very efficient method of storage/transportation of Printed Circuit Boards. Frames are fully adjustable and extremely versatile as they can be used in a vertical, horizontal or flat position. They are made up of 2 end walls located on aluminium rails with the option of a central divider for added capability
- THE ASSEMBLED RACKS WILL FIT PERFECTLY INTO A STANDARD EURO CONTAINER
- A typical large rack is made up of two end walls and a pair of rails. The centre frame is optional. Max depth of PCB 2.5mm - 22 Slots

Description	Part No	Size
Conductive End Wall	G-EL41	350 x 190 x 30mm
Conductive Centre Frame	G-EL42	350 x 190 x 35mm
Aluminium Rail 152mm (PAIR)	G-ELF1	
Aluminium Rail 232mm (PAIR)	G-ELF2	
Aluminium Rail 352mm (PAIR)	G-ELF4	
Aluminium Rail 552mm (PAIR)	G-ELF6	



SMD COMPONENT REEL HOLDERS

- A high quality SMD Component Reel holder with inside partitions and an exterior steel rim, with out turned edge.
- Split into 4 equal sized compartments
- Reel holder stores 36 x 7" reels
- Designed for 7" (180mm) Diameter SMD Component Reels

Dimensions:

1.4mm thick walls

182mm Width

500mm Length

115mm Height



Use these Storage boxes as Component Reel Holders –

See next page for our FULL RANGE of stocked storage boxes.



ESD HANDLING MATERIALS · ESD HANDLING MATERIALS

STORAGE BOXES WITH OPEN FRONT ESD

The new generation of ESD storage boxes with open front is characterised by maximum flexibility and functionality.

With a sophisticated range of modular accessories, they can be subdivided lengthways or sideways, furnished with viewing panels, protected against dust and labelled.



- Facilitate your work operations
- Plenty of space for contents
- Extremely robust design
- Stackable

***STOCKED**

Part No G-SK1



Size: 8.5 x 10.2 x 5cm

***STOCKED**

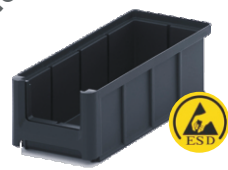
Part No G-SK2



Size: 16 x 10.2 x 7.5cm

***STOCKED**

Part No G-SK2L



Size: 21.5 x 10.2 x 7.5cm

***STOCKED**

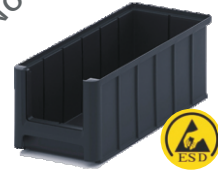
Part No G-SK3



Size: 23 x 15 x 12.5cm

***STOCKED**

Part No G-SK3L



Size: 31.5 x 15 x 12.5cm

***STOCKED**

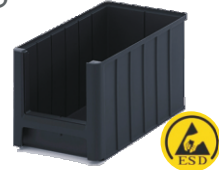
Part No G-SK4



Size: 35 x 21 x 15cm

***STOCKED**

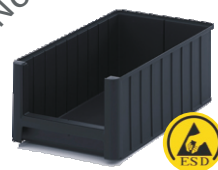
Part No G-SK4H



Size: 35 x 21 x 20cm

***STOCKED**

Part No G-SK5



Size: 50 x 31 x 20cm

***STOCKED**

Part No G-SK5H



Size: 50 x 31 x 30cm

*Stocked items generally available for immediate delivery

All dimensions are external

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HAND TOOLS · HAND TOOLS · HAND TOOLS · HAND TOOLS

Low-voltage, Automatic Clutch, Electric Screwdriver

- Torque: Kgf.cm - 1-12 LBF.in - 0.88-20.56 N.m - 0.098-1.18
- Speed: Hi - 1000, Low - 600
- Screw Size: Machine Screw - 1.6-3.0mm, Tapping Screw - 1.6-2.6mm
- New technology, ergonomic two colour housing, high temperature-resistant, vibration-resistant, slip-resistant, friendly holder, free from fatigue under long time using and high work efficiency.
- Low voltage automatic clutch electric screwdrivers with power controllers, can keep long-time operation, high stability, no influence by fluctuated voltage and high efficiency.
- High tech DC motor with parts made in JAPAN. Fast start with low electric current. Stable torque with accuracy +-3%.
- 0-8 stepless torque adjustment, rotation speed elected by switches Hi & Lo or VR (freely adjust).
- Suitable for high-tech PC, laptop, game cube, etc. Torque fixing ring (KC-6C) can be set to fix torque.
- SKD-5200L Trigger series meet UL, **CE approval** and ESD is offered for the needs of customer.

KILEWS 5200 ELECTRIC SCREWDRIVER SKD-5200LB

Please call our Sales Team for more information on 01202 588900

Part No 290-5200

**QUALITY
AND GREAT
VALUE**



Kit includes

Operation & Maintenance Manual

UK Mains Plug Lead & Switched Power supply

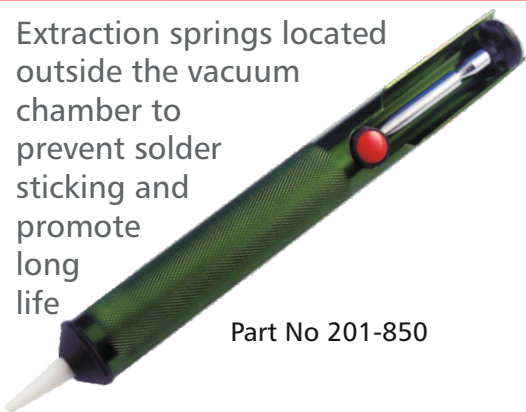
2 x Hex Bits & Replacement Motor Brushes

1 x Pull Down Spring

GREEN DE-SOLDER PUMP

Extraction springs located outside the vacuum chamber to prevent solder sticking and promote long life

Part No 201-850



DE-SOLDER PUMP

- Quality De-solder pump with innovative Silicone Tube allows closer placement to soldering iron tip
- Compact, easy one handed operation
- Made in Japan

Part No 201-880



ESD HAND TOOLS · ESD HAND TOOLS · ESD HAND TOOLS

- ESD Handles
- Sprung Handles
(Less fatigue during prolonged use)
- Made in Japan
- Soft Grip Handles
- High quality Carbon Steel Jaws
- Durable & Dependable

GREAT VALUE

NS-04 Standard Cutter

- Flush cut
- Cutting Capacity
1.2mm Copper Wire



NS-06 Micro Cutter

- Flush Cut
- Cutting Capacity
0.8mm
Copper Wire



NZ-05 Chip Cutter

- Oblique angled cutters
- Ideal for working on SMD boards
- Cutting Capacity
0.6mm Copper Wire



POLYIMIDE TAPE & DOTS

(ALSO KNOWN AS KAPTON TAPE / DOTS)

We stock Polyimide Tape and Dots in various sizes. We can also supply bespoke shapes and non stocked sizes as required in ESD and non ESD material.

Please call our Sales Team for more information on 01202 588900



PS-01 Long Nose Plier

- With a cutting capacity 2mm Copper Wire
- Part Serrated Jaw



PS-03 Needle Nose Plier

- Half round shaped long jaws
- Smooth



ESD HAND TOOLS · ESD HAND TOOLS · ESD HAND TOOLS

**726 SNIPE NOSE
WITH SPRING ESD**

- Snipe Nose ESD Pliers
- Length 120mm
- Smooth Jaws



710 Flat Nose ESD

- Flat Nose ESD Pliers
- Length 115mm
- Smooth Jaws



716 Round Nose ESD

- Round Nose ESD Pliers
- Length 120mm
- Smooth Jaws



**764 DIAGONAL CUTTERS
WITH SPRING ESD**

- Rounded Jaws, External Bevel
- Length 115mm
- Cutting Capacities:
Piano Wire max 0.4mm,
Spring Steel Wire max 0.6mm,
Copper Wire max 1.2mm



767 Diagonal Cutters ESD

- Flush Cut
- Length 115mm
- Cutting Capacity:
Copper Wire max
1.2mm



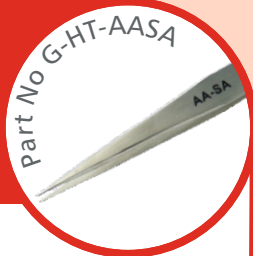
768 Diagonal Cutters ESD

- Pointed Jaws,
Flush Cut.
- Length 110mm
- Cutting Capacity:
Copper Wire max
0.8mm



TWEEZERS · TWEEZERS · TWEEZERS · TWEEZERS · TWEEZERS

AA - SA



- Very Strong Points
- General Assembly
- Length 120mm

7 - SA



- Fine Curved Point
- Length 110mm

6 - SA



- Sharply angled Jaws
- Fine tapered points
- Length 115mm

4 - SA



- Ultra fine tips
- Length 110mm

5 - SA



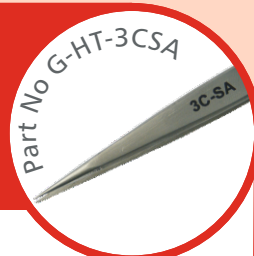
- Tapered ultra - fine tips
- Length 120mm

5A - SA



- Fine points, angled for better visibility
- Length 110mm

3C - SA



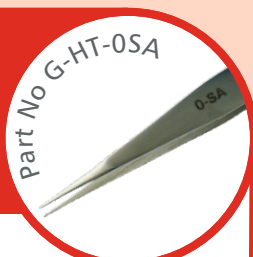
- Very fine rounded point bevelled edges
- Length 120mm

2 - SA



- Tapered, strong sharp point
- Length 120mm

0 - SA



- Flat edges - fine tips
- Length 120mm

1 - SA



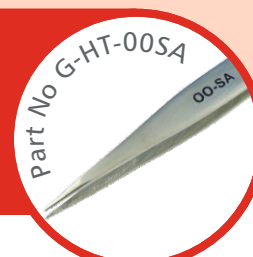
- Strong points for general use
- Length 120mm

00D - SA



- Thick strong points for general use, serration on tips & grips
- Length 120mm

00 - SA



- Fine, straight precision points and flat inside edges
- Length 120mm

2A - SA



- Flat round points, flat edges
- Length 120mm

3 - SA



- Very fine rounded point, belled edges
- Length 110mm

0C - SA



- Flat edges, short, fine points
- Length 90mm

15-A

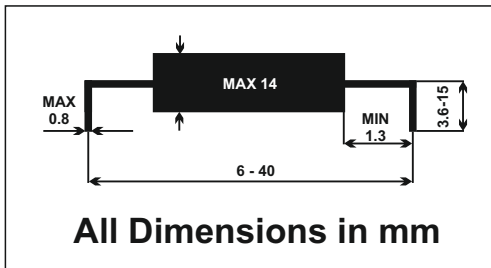


- Non-magnetic stainless-steel alloy
- Strong cutting tweezers
- Length 120mm

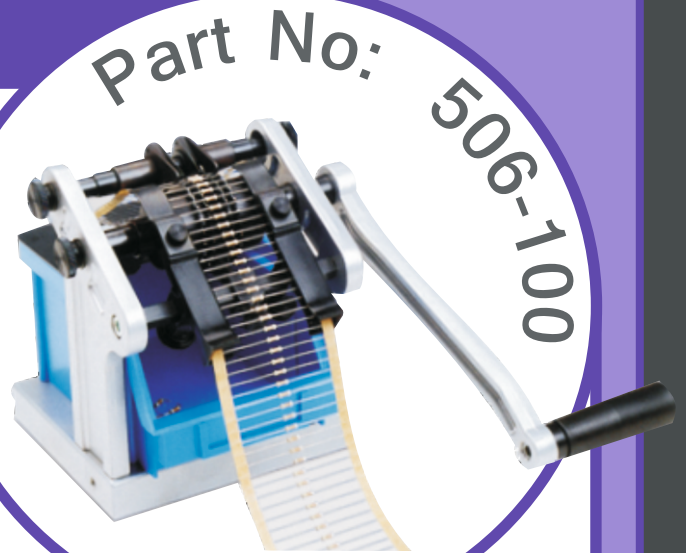
• NEW EQUIPMENT • NEW EQUIPMENT • NEW EQUIPMENT •

CUTBEND

0.8mm CutBend Machine



- Easy to operate.
- High performance (up to 40,000 components per hour.)
- Cost effective.
- Easily adjusted and readjusted for different specifications.
- Easily exchangeable cutting and bending wheel.

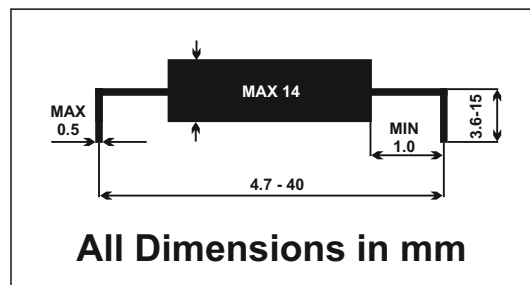


- Designed to avoid stressing components while processing
- Table mounted with screw clamp.

CutBend Specifications:

- Dimensions (without crank) L175 / W145 / H160 mm.
- Weight (complete) 1.9Kg. Crank length 160mm.
- Maximum component diameter for all machines: 14mm
- Output: up to 40,000 components per hour.

0.5mm CutBend Machine

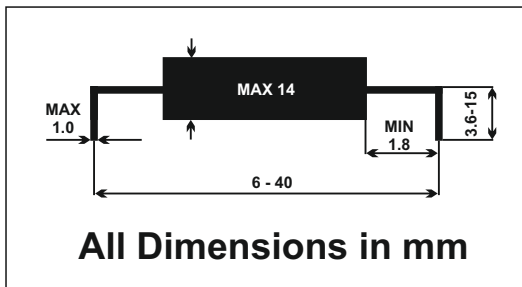


Part No:
506-100-1

• NEW EQUIPMENT • NEW EQUIPMENT • NEW EQUIPMENT •

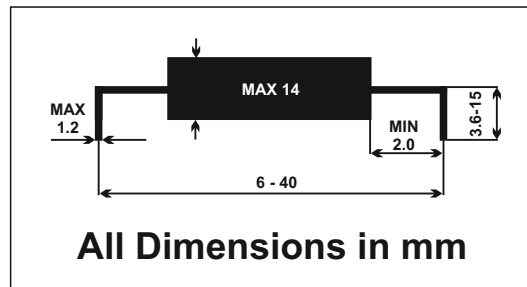
CUTBEND AND SPARES

1.0mm CutBend Machine



Part No: 506-100-2

1.2mm CutBend Machine



Part No: 506-100-3

Part No: 506-101 £112.15 + VAT



8mm left hand bending unit.

Part No: 506-102 £112.15 + VAT



8mm right hand bending unit.

Part No: 506-103 £48.80 + VAT



8mm left hand cutting unit.

Part No: 506-104 £48.80 + VAT



8mm right hand cutting unit.

Part No: 506-105 £50.15 + VAT



8mm left hand cutting wheel.

Part No: 506-106 £50.15 + VAT



8mm right hand cutting wheel.

Part No: 506-107 £56.49 + VAT



8mm left hand bending wheel.

Part No: 506-108 £56.49 + VAT



8mm right hand bending wheel.

Part No: 506-109 £12.10 + VAT



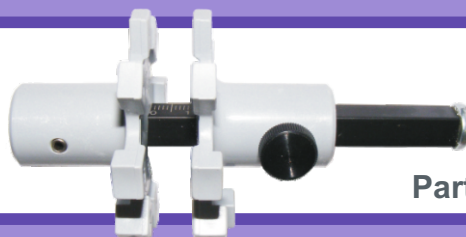
Left hand belt guide.

Part No: 506-111 £12.10 + VAT



Right hand belt guide.

Set up tool.
Saves time
and money.



Part No: 506-112

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• CLEANING & SERVICE AIDS • CLEANING & SERVICE AIDS •

Ambersil



Ambersil



Ambersil

Ambersil

Featured
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Ambersil



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• CLEANING & SERVICE AIDS • CLEANING & SERVICE AIDS •

PCB CLEANER - Residue free solvent cleaner.

- Excellent materials compatibility for modern delicate electronics.
- Fast Evaporation with zero residue.
- Ideal for use on PCBs that are subject to grime accumulation.



Removes light soiling from production line electronics such as bar code scanners, check weighers and control gates.

Part No: 306-105



FLUX REMOVER - Removes flux residues.

- Removes all organic and inorganic fluxes and residues from PCBs and electronic components.
- Excellent materials compatibility (test prior to use).
- Fast Evaporation with zero residue.

Removes flux residues after electronic component repair. Penetrates contamination and evaporates completely after use.

Part No: 306-106



CCL 100 - Contact cleaner and lubricant.

- Cleans, lubricates and prevents corrosion all in one application.
- Removes light grease, tarnish and oxidation.
- Cuts voltage drop between contacts by removing contamination.



A versatile product for use on electrical contacts and switchgear. Ideal for use on radar electronics repair.

Part No: 306-103



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Grove Sales
Consumables For Industry

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AMBERCLENS - Anti-static foam cleaner.

- Removes light oils, finger marks, and other post-maintenance contamination.
- Safe to use on plastics, metals and painted surfaces.
- Quick and easy to use spray on, wipe off.

Use to remove general grime and soiling on all hard surfaces or on upholstery to gently lift out grime. Anti static formulation inhibits dust attraction.

Part No: 306-100



AMBERKLENE FE10 - Fast drying solvent degreaser.

- Powerful flushing action rapidly dissolves and removes contaminations.
- Safe to use on most materials and plastics.
- Zero residue - perfect for surface preparation prior to bonding, painting, coating or relubrication.

Use for the general degreasing of machinery including chains, gears, bearings, drives, motors and more.



Part No: 306-101



AMBERTRON - Ultra pure contact cleaner.

- Excellent materials compatibility: safe plastics, rubber, composites, metal and painted surfaces.
- Non-conductive.
- Quick and effective cleaning with zero residue.
- Will not produce frost.

Ultra pure formulation for critical maintenance. Removes light oils and contamination safely from PCB's, relays all electrical contacts, switches and more.



Part No: 306-102



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AIR DUSTER

NON-FLAMMABLE DUSTER FOR ELECTRONICS

- Safe for use on all surfaces, electronic components and sensors.
- Does not contain CFC's, HCFC's and is non-ozone depleting.
- Powerful blast easily displaces loose contamination.
- Non-flammable & zero odour in use.

A high pressure, inert, liquefied gas that safely removes dust and loose debris with a powerful 'air' jet. Helps prevent electronic component errors and downtime.

Part No: 306-107



INVERTIBLE AIR DUSTER

"ALL ANGLE" DUSTER FOR ELECTRONICS

- Powerful flushing action rapidly dissolves and removes contaminations.
- Safe to use on most materials and plastics. Zero residue - perfect for surface preparation prior to bonding, painting, coating or relubrication.

A powerful, dry 'air' blast for the removal of dry contaminants from electronics.



Part No: 306-108



ANTI STATIC SPRAY

DISSIPATES STATIC BUILD UP

- Rapidly reduces electrostatic charge.
- Quick and easy to use.
- Non toxic and biodegradable.
- Particularly useful in the paper and textiles industries, and anywhere prone to airborne dust.

Use on any surface prone to static charge prior to maintenance, or as a part of a static control programme.

Part No: 306-109



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UNIVERSAL SCREEN CLEANER

FOAMING VDU SCREEN CLEANER

- Can be used on most screen types (LCD, TFT, Plasma etc).
- Exceptionally economical in use.

Removes finger marks and contamination from visual display units (VDU's) such as LCD monitors, production control screens, and all monitors. Ideal for cleaning thermal imaging camera screens.

Part No: 306-110



LABEL REMOVER

SELF ADHESIVE LABEL AND STICKER REMOVER

- Reduces need for scraping and potential damage that may cause.
- Improves packaging line efficiency by reducing jamming caused by label and adhesive build up.
- Pleasant citrus smell.
- Test plastics compatibility prior to use

An optimum blend of solvent and citrus active ingredients penetrate paper labels rapidly.

Part No: 306-111



GLASS CLEANER

FOR GLASS AND GLAZING

- Produces a smear free and residue free finish with minimal effort.
- Incredible results, first time.

Used on glass and ceramic surfaces to remove light soiling and marks.

Part No: 306-112



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BA40 SOLVENT

AVIATION SPECIFIED SOLVENT CLEANER

- Also removes other stubborn residues such as: adhesives, inks, resins, varnishes and lacquer.
- Powerful solvent for excellent penetration but with rapid evaporation for maximum efficiency.
- Low pressure spray provides even coverage and prevents splash back.
- Zero residue.

Developed specifically for the demands of the aviation industry for a cleaner to remove uncured polysulphide sealant.

Part No: 306-113



40+

THE COMPLETE MAINTENANCE TREATMENT

- Excellent water displacement performance.
- High di-electrical strength, non-conductive film.
- Safe on most paints, plastics, rubbers and all metals
- Operational temperature range: -20°C to +115°C

A true multipurpose 'cure-all' for engineers: use as a dewatering fluid, a penetrant on seized fasteners, a general lubricant, and as a corrosion inhibitor.

Part No: 306-114



AMS4 SILICONE GREASE

MILITARY GRADE SILICONE GREASE

- Insulates high voltage parts against leaking and arcing
- Waterproofs electronics in damp or humid conditions.
- Meets military and aviation specifications:
- Def. Stan 68-91/1

Military and aviation grade XG250 silicone grease for use on rubber seals to prevent cracking, on 3-phase connectors to prevent moisture ingress and for general lubrication.

Part No: 306-115



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FREEZER

FAULT DETECTION FOR ELECTRONICS

- Rapidly reduces component temperature by up to -50°C
- Non-flammable, non-toxic and completely odourless
- Can be used to cool thermally sensitive parts during soldering or calibration.
- Rail approved product (007/020505)

Use on electronic circuits to identify thermal intermittent faulty components.

Part No: 306-117



IPA SOLVENT

ISOPROPYL ALCOHOL CLEANING SOLVENT

- Excellent materials compatibility: safe for use on plastics, rubber, composites, metal and painted surfaces.
- Conforms to Bc1595, ASTM D770 and DIN53245.
- Zero residue.

A gentle yet highly effective alcohol based cleaner for use on optical devices, switches, PCB's and on general electronics

Part No: 306-104



ACRYLIC CONFORMAL COATING

PROTECTION FOR PCB'S

- Colourless Conformal Coating.
- Insulates and seals out moisture and dust.
- Flexible lacquer will not crack or chip.
- Can be soldered through.
- Thinners available.

Apply to PCBs and electronics to protect against arcing, dust, moisture and contamination.

Part No: 306-116



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IPA 1 LITRE

ISOPROPYL ALCOHOL CLEANING SOLVENT

- Excellent materials compatibility: safe for use on plastics, rubber, composites, metal and painted surfaces.
- Conforms to Bc1595, ASTM D770 and DIN53245.
- Zero residue.

A gentle yet highly effective alcohol based cleaner for use on optical devices, switches, PCB's and on general electronics

Part No: 301-607



DE-IONISED WATER

20 LITRES

- 20 Litres of De-Ionised Water in non-tainting recyclable plastic containers.
- Containers can be recycled after the De-ionised water is finished.

Part No: 301-603



DE-IONISED WATER/IPA MIX

1 LITRE

- A special, high purity blend forming an excellent cleaning solution for ceramic and metal optic connectors.
- Leaves no residue and can be applied with swabs and wipes.
- Ideal for use after polishing with De-Ionised Water.

Part No: 301-600



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GTEK PREM WIPES

- Environmentally Friendly Packaging (Less waste to dispose of).
- Easy Flip/Seal Lid (Easy to open and close, wipes will not dry up).
 - Bigger Size 250 x 250mm (100/Pack).
- Industrial Grade Disposable Cloth (Won't tear or rip easily)
- "C" Fold Wipes (No stretching and tearing means no loose fibres)

GTEK IPA PREM WIPES

Recommended for
STENCIL CLEANING & MULTI-SURFACE USE
Precision Cleaning and Degreasing, Combined with fast evaporation



Part No: G-WI010
RRP
£11.45



GTEK IC PREM WIPES

Recommended for
HANDS AND SURFACES
Removes Oil, Grease, Paint, Adhesive,
Silicone, dirt and other grime

Part No: G-WI020
RRP
£10.45



GTEK PREM WIPES

Recommended for
MOPPING UP SPILLS
With specialist cleaning materials.



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GTEK IPA WIPES

- Designed for stencil cleaning after bulk solder paste removal and final cleaning of critical machine parts after maintenance packaging. G-TEK IPA Wipes are 70% IPA industrial grade disposable cleaning cloths for precision cleaning and degreasing of surfaces and components. Superb antibacterial cleaning properties, ideal for multi surface sanitisation, especially where fast kill and evaporation rates are essential. G-TEK wipes are supplied in quick seal wipe clean packaging

Perfect for: Solder Paste · Stencil Cleaning
Circuit Board Assembly · Printing Machinery · Cleanrooms
Medical Sector · Aerospace · Military · State of the Art Industry

Part No: G-WI002



GTEK IC WIPES

- Quick Seal, Wipe Clean Packaging (Easy to close, wipes will not dry up)
- Environmentally friendly packaging (Less waste to dispose of)
- Bigger Size 250mm x 250mm (100/Pack)
- 'C' Fold wipes (No stretching and tearing means no loose fibres)

Recommended for
HANDS AND SURFACES
Removes Oil, Grease, Paint, Adhesive, Silicone, dirt and other grime

Part No: G-WI017



GTEK DRY WIPES

- Durable dry wipes for mopping up spills or cleaning with specialist cleaning materials
- Supplied in a re-sealable dispenser pack of 100 wipes 250mm x 250mm
- Low cost Low linting
- Safe and hygienic

Part No: G-WI021



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GTEK CLEANROOM WIPES

- Superb grade of high wet and dry strength, high weight, ultra low lint fabric makes this wipe ideal for all polishing and cleaning applications
- Supplied in a re-sealable dispenser pack of 300 wipes 9" x 9" (225 x 225 mm)
- 55% Cellulose 45% Polyester
- Tear resistant, they are suitable for final finish on car bodies.
- Solvent resistant, they may be used in conjunction with an alcohol for a high quality degreasing wipe.



GTEK CLEANROOM POLY

- Superb grade of high wet and dry strength
- Supplied in a re-sealable dispenser pack of 150 wipes 9" x 9" (225mm x 225mm)
- 100% Polyester
- Tear resistant, they are suitable for final finish on car bodies.
- Solvent resistant, they may be used in conjunction with an alcohol for a high quality degreasing



NITRILE EXAM POWDER FREE GLOVES MEDICAL GRADE

- Nitrile Synthetic rubber which offers much better puncture and abrasion resistance than natural rubber or vinyl

Part No.	Size	Pack Size
122-100-SS	(Super Small)	100 Gloves
122-100-S	(Small)	100 Gloves
122-100-M	(Medium)	100 Gloves
122-100-L	(Large)	100 Gloves
122-100-XL	(Extra Large)	100 Gloves



Grove Sales Ltd

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• CLEANING & SERVICE AIDS • CLEANING & SERVICE AIDS •



BLUE WYPALL

L10 MULTI-PURPOSE WIPES 7265

Part No: 350-122

- Bulky, fast absorbing and strong when wet.
- Ideal for wiping away liquids.
- Soft and absorbent
- Absorbs most liquids
- Strong and durable when wet
- Pack of 6



KIMTECH SCIENCE PRECISION WIPES

304mm x 304mm (196 Wipes)

Part No: 350-120-P

- A high performance wipes solution, suitable for ISO Class 4 or higher laboratory environments.

Ideal for: Light duty, precision cleaning of delicate glassware, instruments and surface/parts

Available as: White 1ply paper wipes 30.4cm x 30.4cm dispensed from a POP-UP Box flexible system, giving controlled access to hygienically protected wipes when you're cleaning or wiping on the move.



HEAVY DUTY BIN LINERS

100/BOX

Part No: GP-888-444

- Ideal for home or business, reliable and durable.
- Heavy Duty Polythene, Colour - Black, 100 per box
- 18" x 29" x 39"
- 180g





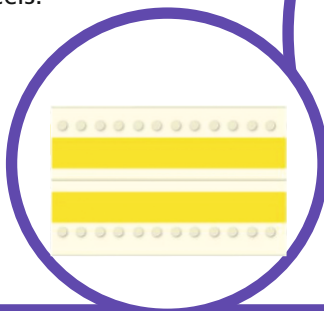
TAPE AND DOTS

TAPE AND DOTS

SMD DOUBLE SPLICE TAPE

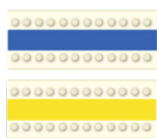
- Quality Double Splice Tape is ideal for splicing paper-tape component reels.

G-TDS-08-Y	8mm	500 pcs
G-TDS-12-Y	12mm	500 pcs
G-TDS-16-Y	16mm	500 pcs
G-TDS-24-Y	24mm	250 pcs



SMD SINGLE SPLICE TAPE

- A range of high quality Single Splice Tape for joining the cover tape of component tape reels.



G-TSS-08-B	8mm (BLUE)	4000 pcs
G-TSS-08-Y	8mm (YELLOW)	4000 pcs
G-TSS-12-Y	12mm (YELLOW)	4000 pcs
G-TSS-16-Y	16mm (YELLOW)	4000 pcs

SMD BRASS SPLICE CLIPS

Designed to join SMT components tape reels when used with splicing tools.



SMD COVER EXTENDER/ FEEDER TAPE

- Quality Double Splice Tape is ideal for splicing paper-tape component reels.

G-TFT-08	8mm (YELLOW) For 8 & 12mm	Box of 500 pcs
G-TFT-16	16mm (YELLOW) For 16mm	Box of 500 pcs
G-TFT-24	24mm (YELLOW) For 24mm	Box of 250 pcs





TAPE AND DOTS

TAPE AND DOTS

ESD GRID TAPE

- ESD Grid Tape is made from a silicone free, low residue polypropylene with a self adhesive backing and static dissipative surface.
- W 24mm



- This tape has Polyester film backing with excellent heat resistance rubber adhesive coating.

301-025-04	4mm	301-025-15	15mm
301-025-06	6mm	301-025-19	19mm
301-025-09	9mm	301-025-25	25mm
301-025-12	12mm	301-025-38	38mm

CONFORMAL COATING MASKING TAPE

RED LITHO TAPE

- Based on a clear cellulose film coated with a transparent red, rubber resin
- W 12 or 25mm





TAPE AND DOTS

TAPE AND DOTS

POLYIMIDE TAPE & DOTS

Made from a high temperature Polyimide (known as Kapton) that fully protects PCB pads and gold finger contacts from molten solder during wave soldering and hot air levelling.

TAPE x 33m



DOTS x 2000



G-TPT-04	4mm	G-TPT-14	14mm
G-TPT-06	6mm	G-TPT-15	15mm
G-TPT-08	8mm	G-TPT-16	16mm
G-TPT-09	9mm **	G-TPT-19	19mm **
G-TPT-10	10mm	G-TPT-25	25mm **
G-TPT-12	12mm **	G-TPT-30	30mm
G-TPT-13	13mm	G-TPT-50	50mm

G-TPD-04	4mm	G-TPD-10	10mm
G-TPD-06	6mm	G-TPD-12	12mm
G-TPD-08	8mm	G-TPD-14	14mm
G-TPD-09	9mm	G-TPD-16	16mm

** ESD Version also stocked

SPECIFICATIONS:

Backing: 1.0 Thou Polyimide film
 Adhesive: Silicone
 Total Thickness: 2.9 Thou

Tensile Strength: 30lbs. / In Width
 Elongation: 60%
 Adhesion to steel: 25oz./In width
 Temperature: Up to 600°F, 315°C

We can supply bespoke shapes and non stocked sizes as required, in ESD and Non ESD material.

01202 588900 or go online www.grovesales.co.uk

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Grove Sales
Consumables For Industry

MAGNIFIER LAMP

MAGNIFIER LAMP

LONG REACH MAGNIFIER LAMP LED DAYLIGHT

An energy efficient LED daylight lamp with glass lens. Long reach arms and sturdy joints for complete flexibility & positioning. ideal for close-up intricate tasks.

Supplied as standard with a x3 Lens. x5 Lens available to buy as an add on.

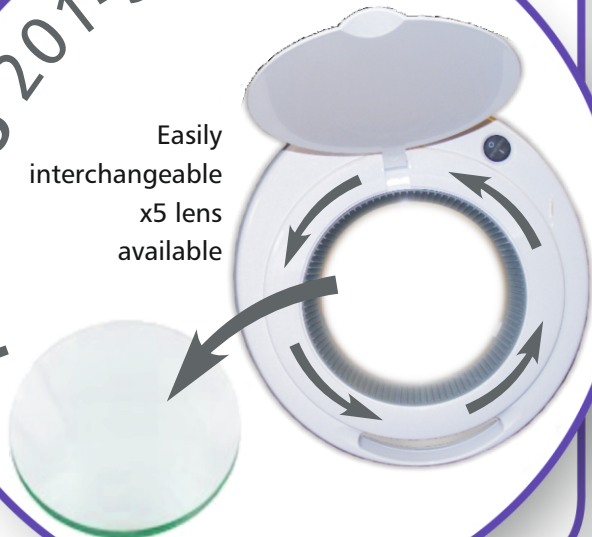
- 90 white LED bulbs, only 8w in total
- Energy efficient
- Bulbs never need replacing
- Shadow free, cool light
- Quality 125mm (5") removable lens
- 3 dioptr (1.75x magnification)
- Can easily be replaced with 5 dioptr (2.25x mag.)
- Built-in handle & Sun protector cap
- Includes table clamp with up to 65mm clamping capacity

Part No 201-503-R3L



Part No 201-503-R5L

Easily interchangeable x5 lens available



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GLOVES

GLOVES

CARBON KNITTED GLOVES



- ESD knitted glove with dissipative filament and polyurethane (PU) coating on finger tip sections

122-200-S	SMALL
122-200-M	MEDIUM
122-200-L	LARGE
122-200-XL	EXTRA LARGE



- Nitrile Synthetic rubber which offers much better puncture and abrasion resistance than natural rubber or vinyl.

122-100-S	SMALL
122-100-M	MEDIUM
122-100-L	LARGE
122-100-XL	EXTRA LARGE

NITRILE POWDER FREE GLOVES

PU PALM GLOVES - NYLON

- ESD knitted nylon gloves with polyurethane (PU) coating on the palm and finger tip sections, ideal for handling electronic parts



122-202-S	SMALL
122-202-M	MEDIUM
122-202-L	LARGE
122-202-XL	EXTRA LARGE



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PREMIUM WIPES

PREMIUM WIPES



GTEK 75

Part No G-WI003
180mm x 250mm (75/tub)

GTEK 250

Part No G-WI004
180mm x 250mm (250/bucket)



ALL WIPES
MADE FROM
68gsm
POLYVISCOSE
MATERIAL

Recommended for
**STENCIL CLEANING &
MULTI-SURFACE USE**
Precision Cleaning and Degreasing,
Combined with fast evaporation



GTEK IPA PREM WIPES

Part No G-WI001
250mm x 250mm (100/pack)

Recommended for
HANDS AND SURFACES
Removes Oil, Grease, Paint, Adhesive,
Silicone, dirt and other grime

GTEK IC PREM WIPES

Part No G-WI010
250mm x 250mm (100/pack)





REEL HOLDERS

DISPENSING BOTTLES

SMD COMPONENT REEL HOLDERS



- A high quality SMD Component Reel holder with inside partitions and an exterior steel rim, with out turned edge.

Part No

109-500	500x200x116mm	4 Partitions
109-505	500x350x175mm	3 Partitions



DISPENSING BOTTLES ESD SAFE

Grove ESD dispensers are designed with the perfect way to dispense alcohol, acetone, isopropanol, methanol, turpenes, thinner and any other liquid applied with a swab, wipe or cotton ball.

Part No	Bottle Size	Price
G-SBD-12	ESD Safe Dispensing Bottle 120ml	£8.02
G-SBD-18	ESD Safe Dispensing Bottle 180ml	£8.50

STRAIGHT NOSE BOTTLE WITH NEEDLE

Part No G-SPB-50

Designed for use at grounded ESD work surfaces.





DIGI MICROSCOPE

DIGI MICROSCOPE

DIGI MICROSCOPE

The **UM08** Tabletop HDMI Inspection Microscope is a great low cost solution to the inspection process. It can deliver Full HD 1080P high quality images at 60 fps. The built-in 5 object lens offers a par focal distance at WD 82 mm for continuous zoom in from FOV of 18.3mm to 2.8mm with larger magnification.

Functions:

- Shutter control, real-time defogging processing.
- WDR image process.
- MIRROR to rotate and flip images.
- SMART D-ZOOM: enlarge specific areas.

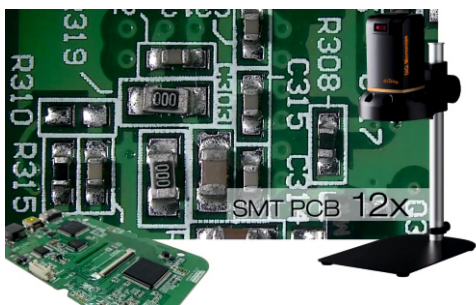
General Features:

- Magnification: 12x – 132x on 21.5" monitor per 4x Lens.
- Working Distance: 22.5mm – 226mm.
- CMOS Sensor: 2M pixels.
- 30 LED'S built in with wide angle LED light, and adjustable brightness.
- IR remote control system for optional manual and auto-focus.
- Power Supply: DC 5V/2A, Cable Length: 180cm.

Part No 507-660



Image capture box



Kit includes:

- 1 x UM08 microscope
- 1 x IMB05 image capture box
- 1 x S107 stand
- 1 x S109 stand (Flexible)



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