

Your Eyes  
in China

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# Shoe covers

Widely used in electronic, chemical, dustless workshop, clean room and other places with high clean requirements.



## ◆ Non-woven shoe cover



### Specifications

Material: non-woven  
Color: blue, white, pink, etc.  
Size: 36cm, 40cm, custom size  
Gross weight: 30g/100M, 35g/100M, 45g/100M, etc.  
Packing: 10 / roll

### Features

Flexible elastic mouth design, firm to adjust for size, breathable and comfortable.

### Application

Widely used in electronic, chemical, dustless workshop, clean room and other places with high clean requirements.

## ◆ CPE shoe cover



### Specifications

Material: CPE  
Color: blue  
Size: 36cm, 40cm, custom size  
Gross weight: 1.5g/5g  
Packing: 10 / rolls, 10 rolls / bag

### Features

Good toughness, soft and comfortable, the surface has anti-static granules.

### Application

Widely used in electronics, chemical, steel mill, food industry, environmental protection industry, purification workshop, hotels, hospitals and other places with such high demand.

## ◆ PE shoe cover



### Specifications

Material: PE  
Color: blue  
Size: 36-45cm, customizable  
Gross weight: 1.8g / 1.8g / 2.3g / 2.8g etc.  
Packing: 10 / rolls, 10 rolls / bag

### Features

Good toughness, comfortable and transparent, waterproof.

### Application

Widely used in electronics, chemical, steel mill, food industry, environmental protection industry, purification workshop, hotels, hospitals and other places with such high demand.

# Anti-static wrist straps

Anti-static wrist strap is a wrist wear in the human body wrist relief of human body accumulate static charge, it can effectively protect the zero resistance from electrostatic interference, to discharge the human body static electricity, the wrist strap should contact with the skin when use, and make sure the ground wire grounding directly, so as to maximize the efficiency.



## ◆ Anti-static cord wrist strap



### Specifications

Composition: elastic band, active button, spring cord, 48g/100M  
Color material: PU, PVC  
Cord diameter: 2.0mm, 2.4mm  
Conductive fiber spacing: 0.1mm  
Conductive yarn: black yarn, white yarn  
Cord length: conventional 1.5m, 2.4m and 3m (customizable)  
Color: blue, black, rose red, etc.  
Plug type: straight or L-shaped head  
Surface resistance: 10<sup>6</sup>-10<sup>9</sup>Ω  
Plug type: banana head, eight-hole carter head or crimpless  
Display: none or LED

### Features

Through the wrist strap and ground wire discharge the body's electrostatic to the earth, so the wrist strap must be in contact with the skin when use and the ground wire should need to be closely grounded and ensure that the ground wire unimpeded to maximize the effectiveness.



## ◆ Anti-static cordless wrist strap



### Specifications

Main part: ABS adhesive material  
Color: blue, red (with a spare wrist strap for each piece)  
Conductive yarn: black yarn, white yarn  
Conductive fiber spacing: 1mm  
Width: 30mm  
Display: none or LED  
Surface resistance: 10<sup>6</sup>-10<sup>9</sup>Ω  
Packing: 10g pack

### Features

The anti-static wrist strap is excellent in use and easy to wear using the principle of physical design of SELCLARD corona discharge, breaking the space system, not led by the ground line. The static electricity generated by the human body is released through the discharge box. The 12mA ultra-low conductive fiber releases static electricity very quickly.

## ◆ Wrist strap monitor



### Specifications

Power supply: 9V  
Ground wire: 2.5m  
The antenna size: 80 (W) \* 200 (H) \* 110 (D) mm  
Using the environment: temperature 0 °C to 40 °C,  
relative humidity is less than 80%  
Low test alarm warning: < 500K ohms  
High resistance warning: > 10M ohms

### Operation instructions

- Put 9V battery in the battery box after the tester.
- Insert the banana clip to connect the tester to the ground clamp.
- Wear an arm strap and hold it close to your wrist.
- Connect the ground wire to the arm strap.
- Press the test button on the front of the instrument.

### Lights and sounds

- If the green "GOOD" light is on, the grounding system is safe.
- If the red "LOW" light is on, check the resistance of the arm and the ground wire, which is less than 500 thousand ohms, which will have an impact on the safety of the body.
- If the red "HIGH" light is on, please check whether the arm strap is tightened on the wrist, and then check whether the wire of the arm and the ground wire is broken.

### Usage status

- Normal working state: red "green" warning light is not bright, alarm.
- The detector is not in contact with the human body: the red alert light is on, and the alarm sounds.
- Bad contact with ground wire: the green alarm light is on and the alarm sounds.
- When poor contact between human body and contact with the ground wire is bad at the same time, red "green" alarm light gives alarm.

# Face mask

Face mask is a kind of health supplies, generally refers to wear at the nose and mouth to filter the air into the nose and mouth, to block harmful gases, odors, droplets in and out of the appliance of the wearer's nose and mouth, and it is usually made by gauze or paper.



## ◆ Anti-static face mask



### Specifications

Material: polyester filament, conductive fiber  
Color: white, blue, yellow, pink, etc.  
Type: tie-on  
Size: 19\*10cm  
Layer: single layer, double layer  
Packing: 10 pcs / bag

### Features

Anti-static cloth, have higher air permeability, washable and reused. Excellent antistatic and

### Application

Application: workshops of semiconductor, chip, microprocessor and other production, circuit board, precision instrument, optical products, PCB, food factory, clean room and other factories.

## ◆ Activated carbon face mask



### Specifications

Material: non-woven / filter paper / activated carbon layer  
Colour: Black  
Type: headloop, earloop  
Size: Adult: 17.5 \* 9.5cm  
Children: 17.5 \* 9.5cm  
Layer number: 4 layers  
Packing: 50 pieces / box

### Features

Antivirus, deodorization, filter bacteria, dust resistance, etc.; It is especially suitable for occasions where the organic gases, acid volatiles, pesticides, SO2, Cl2 and other irritating gases are founded. Anti-virus, deodorant significantly. The real carbon steel fiber filter in the mask can intercept the harmful substances and improve the respiratory quality in the highly polluted environment effectively. While the respiratory resistance of face mask is very small.

### Application

Disposable masks can be applied to electronic manufacturing, dust-free workshop, catering services, food processing, school, chemical, steel, hand processing industry, hospital, cosmetic, pharmaceutical, plant, clean environment, public places and so on.

# Anti-static brushes

The anti-static bristle brush is made of carbon and fiber synthetic plastic, which is hard and tough, durable, easy to use and flexible in operation.

Application: apply to the cleaning of PCB board, and the dust removal in assembly workshop of SMD and the surface of the electronic parts.



## ◆ Anti-static toothbrush



### Small

Handle Material: Carbon, Fiber Synthetic Plastic  
Brush material: conductive PA material  
Color: Black  
Brush head width: 12mm  
Handle length: 170mm  
Bristle length: 30mm  
Tufts: 3 rows and 20 bundles  
Head glue part length: 40mm  
Surface resistance: 10<sup>6</sup>-10<sup>9</sup>Ω

### Medium

Handle Material: Carbon, Fiber Synthetic Plastic  
Brush material: conductive PA material  
Color: Black  
Brush head width: 12.5mm  
Handle length: 180mm  
Bristle length: 30mm  
Tufts: 3 rows and 20 bundles  
Head glue part length: 40mm  
Surface resistance: 10<sup>6</sup>-10<sup>9</sup>Ω

### Large

Handle Material: Carbon, Fiber Synthetic Plastic  
Brush material: conductive PA material  
Color: Black  
Brush head width: 15.2mm  
Handle length: 173mm  
Bristle length: 30mm  
Tufts: 2 rows and 20 bundles  
Head glue part length: 35mm  
Surface resistance: 10<sup>6</sup>-10<sup>9</sup>Ω

### Extra Large

Handle Material: Carbon, Fiber Synthetic Plastic  
Brush material: conductive PA material  
Color: Black  
Brush head width: 21mm  
Handle length: 220mm  
Bristle length: 22mm  
Tufts: 3 rows and 34 bundles  
Head glue part length: 30mm  
Surface resistance: 10<sup>6</sup>-10<sup>9</sup>Ω

## ◆ Anti-static U-type brush



### Small

Handle Material: Carbon, Fiber Synthetic Plastic  
Brush material: conductive PA material  
Color: Black  
Brush head width: 40mm  
Handle length: 80mm  
Hair length: 21mm  
Tufts: 5 rows and 30 bundles  
Surface resistance: 10<sup>6</sup>-10<sup>9</sup>Ω

### Medium

Handle Material: Carbon, Fiber Synthetic Plastic  
Brush material: conductive PA material  
Color: Black  
Brush head width: 55mm  
Handle length: 80mm  
Hair length: 21mm  
Tufts: 7 rows and 36 bundles  
Surface resistance: 10<sup>6</sup>-10<sup>9</sup>Ω

### Large

Handle Material: Carbon, Fiber Synthetic Plastic  
Brush material: conductive PA material  
Color: Black  
Brush head width: 70mm  
Handle length: 80mm  
Hair length: 21mm  
Tufts: 9 rows and 180 bundles  
Surface resistance: 10<sup>6</sup>-10<sup>9</sup>Ω

The handle is ground and the plug hole are insulating.

## ◆ Anti-static straight handle brush



### Small

Material: carbon, fiber synthetic plastic  
 Colour: Black  
 Brush head width: 30mm  
 Handle length: 115mm  
 Hair length: 25mm  
 Tufts: 7 bundles  
 Total length: 140mm  
 Surface resistance: 10<sup>9</sup>-10<sup>10</sup>Ω

### Medium

Material: carbon, fiber synthetic plastic  
 Colour: Black  
 Brush head width: 45mm  
 Handle length: 120mm  
 Hair length: 25mm  
 Tufts: 8 bundles  
 Total length: 140mm  
 Surface resistance: 10<sup>9</sup>-10<sup>10</sup>Ω

### Large

Material: carbon, fiber synthetic plastic  
 Colour: Black  
 Brush head width: 60mm  
 Handle length: 145mm  
 Hair length: 25mm  
 Tufts: 12 bundles  
 Total length: 170mm  
 Surface resistance: 10<sup>9</sup>-10<sup>10</sup>Ω

## ◆ Anti-static round handle brush



### Small

Material: carbon, fiber synthetic plastic  
 Colour: Black  
 Handle diameter: 12mm  
 Hair length: 18mm  
 Tufts: 7 bundles  
 Total length: 140mm  
 Surface resistance: 10<sup>9</sup>-10<sup>10</sup>Ω

### Medium

Material: carbon, fiber synthetic plastic  
 Colour: Black  
 Handle diameter: 12mm  
 Hair length: 18mm  
 Tufts: 7 bundles  
 Total length: 123mm  
 Surface resistance: 10<sup>9</sup>-10<sup>10</sup>Ω

### Large

Material: carbon, fiber synthetic plastic  
 Colour: Black  
 Handle diameter: 18mm  
 Hair length: 18mm  
 Tufts: 11 bundles  
 Total length: 180mm  
 Surface resistance: 10<sup>9</sup>-10<sup>10</sup>Ω

### Ball brush

Material: carbon, fiber synthetic plastic  
 Colour: Black  
 Handle diameter: 12mm  
 Hair length: 23mm  
 Tufts: 7 bundles  
 Total length: 140mm  
 Surface resistance: 10<sup>9</sup>-10<sup>10</sup>Ω

## ◆ Anti-static row brush



### Small

Material: carbon, fiber synthetic plastic  
 Brush material: conductive PA material  
 Colour: Black  
 Handle length: 120mm  
 Brush head width: 10mm  
 Hair length: 23mm  
 Tufts: 11 bundles  
 Total length: 290mm  
 Surface resistance: 10<sup>9</sup>-10<sup>10</sup>Ω

### Large

Material: carbon, fiber synthetic plastic  
 Brush material: conductive PA material  
 Colour: Black  
 Handle length: 170mm  
 Brush head width: 10mm  
 Hair length: 45mm  
 Tufts: 33 bundles  
 Total length: 380mm  
 Surface resistance: 10<sup>9</sup>-10<sup>10</sup>Ω

# Anti-static tweezers

The anti-static tweezers are made of special conductive plastic materials, which are flexible and easy to use, and are suitable for the processing and installation of electrostatic sensitive components.

## ◆ Anti-static stainless steel tweezers



Model	Material	Specification	Hardness
ESD-10	302	110mm	HRC40
ESD-11	302	140mm	HRC40
ESD-12	302	135mm	HRC40
ESD-13	302	120mm	HRC40
ESD-14	302	110mm	HRC40
ESD-15	302	115mm	HRC40
ESD-16	302	125mm	HRC40
ESD-17	302	110mm	HRC40

## ◆ Anti-static stainless steel tweezers that with changeable point



Model	Material	Specification	Point material
ESD-203	302	130mm	PPS 1x10 <sup>10</sup> Ω
ESD-203A	302	130mm	PPS 1x10 <sup>10</sup> Ω
ESD-204	302	110mm	PPS 1x10 <sup>10</sup> Ω
ESD-249	302	121mm	PPS 1x10 <sup>10</sup> Ω
ESD-249	302	106mm	PPS 1x10 <sup>10</sup> Ω
ESD-24	302	130mm	PPS 1x10 <sup>10</sup> Ω

### Features

- Good strength, non-magnetic material;
- Be flexible and use your fingers for long periods of time without fatigue.
- Convenient, safe, flexible and durable.

### Applications

Stainless steel tweezers are widely used in electronics, watches, jewelry, inspection of optical/chemical laboratory and high-tech fields.

## ◆ Plastic conductive tweezers



Model	Specification	Material
702	117mm	PPS+Carbon fiber synthetic plastic
703	116mm	PPS+Carbon fiber synthetic plastic
704	118mm	PPS+Carbon fiber synthetic plastic
705	118mm	PPS+Carbon fiber synthetic plastic
706	120mm	PPS+Carbon fiber synthetic plastic
707	118mm	PPS+Carbon fiber synthetic plastic
708	120mm	PPS+Carbon fiber synthetic plastic
709	116mm	PPS+Carbon fiber synthetic plastic

### Features

- Good hardness, flexibility and toughness.
- Anti-static, high temperature, acid and alkali resistance.
- Easy to use and flexible in operation.

### Applications

Suitable for the production, installation, transfer and activity of small components in the electronics industry.

# PU top fit gloves

PU coated gloves are knitted with PU coated on the palm or fingers, non-ESD and ESD are the popular ones.



## Regular Models

### PU Polyester top fit gloves

Model No.	Item			
WT08	White PU Polyester top fit gloves			
WT09	Carbon fiber top fit gloves			

# PU palm fit gloves

PU coated gloves are knitted with PU coated on the palm or fingers, non-ESD and ESD are the popular ones.



## Regular Models

### PU Polyester top fit gloves

Model No.	Item			
WT08	White PU palm fit gloves			
WT09	Carbon fiber palm fit gloves			

# Anti-static sewing gloves

## ◆ Anti-static lint free gloves

Applied in optical industry, watches, batteries, electric appliance industry, the electronics industry, precision component assembly, microelectronics, liquid crystal displays and semiconductor, etc.



### Specifications

Material: Anti-static polyester fabric  
Spacing of conductive fibers: 10mm, 5mm  
Color: White  
Size: S, M, L  
Weight: 60-80g/m<sup>2</sup>  
Sealing edge method: cut and wrapping  
Process: butting, sewing  
Surface resistance: 10<sup>9</sup>-10<sup>10</sup>Ω  
Packing: 10 pairs / bag, 1000 pairs / box

### Features

Finger tip parts appear semi-circular that can ease the pressure generated by the fingertips during work. Not easy to be contaminated with dust. Fit hand shape, flexible finger movement. Breathable suitable for long hours of work.



## ◆ ESD PVC dotted gloves

Applied in weak current, precision instrument assembly, product inspection and other operation site that using fingertip, and electronic products protection.



### Specifications

Material: Anti-static polyester fabric, PVC dotted  
Spacing of conductive fibers: 10mm, 5mm  
Color: White  
Size: S, M, L  
Weight in back: 60-80g/m<sup>2</sup>  
Weight in palm: 140-220g/m<sup>2</sup>  
Sealing edge method: cut and wrapping  
Process: butting, sewing  
Surface resistance: 10<sup>9</sup>-10<sup>10</sup>Ω  
Packing: 10 pairs / bag, 1000 pairs / box

### Features

Finger tip parts appear semi-circular that can ease the pressure generated by the fingertips during work. Not easy to be contaminated with dust. Fit hand shape, flexible finger movement. Breathable, suitable for long hours of work. Plastic particles in the fingers and palm parts to prevent sliding.



## ◆ Anti-static stripe PU gloves

Applied in weak current, precision instrument assembly, product inspection and other operation site that using fingertip, and electronic products protection.



### Specifications

Material: Anti-static polyester fabric, PU leather  
Spacing of conductive fibers: 10mm, 5mm  
Color: Beige  
Size: S, M, L  
Weight in back: 60, 80g/m<sup>2</sup>  
Sealing edge method: cut and wrapping  
Process: butting, sewing  
Surface resistance: 10<sup>9</sup>-10<sup>10</sup>Ω  
Packing: 10 pairs / bag, 1000 pairs / box

### Features

Finger tip parts appear semi-circular that can ease the pressure generated by the fingertips during work. The parts of finger and palm are helpful for operation without leaving fingerprints. Good air permeability, washable.

## ◆ Anti-corrosion rubber gloves

Applicable to laboratory, chemical, machinery, electroplating, painting operations, aquatic products processing and use within the scope of performance and water use, suitable for general labor protection.



### Specifications

Lining material: Cotton/PVC  
Color: Yellow  
Length: 280mm  
Weight: 140g  
Cuff: Straight

### Features

Lined with pure cotton felt and PVC outer layer for better hand feel. More comfortable to use, oil resistant and more resistant to abrasion. The anti-static processing increases the friction. It has excellent wear resistance, water resistance, moisture absorption, long service life, good anti-fading performance and anti-static performance.

## ◆ Anti-high temperature gloves

Kitchen, bakery, barbecue, industrial oven, industrial barrel furnace, industrial welding, metal welding, metal extruder, metal casting, glass thermal processing, metal bar, ceramics, solar cell production, and other high temperature operating environment.



### Specifications

Model: HJPP20-20  
Material: NFF  
Color: Rice white  
Length: 230mm  
Width: 150mm  
Temperature resistance: 200°  
Weight: 180g

### Features

Lined with pure cotton felt and PVC outer layer for better hand feel. More comfortable to use, oil resistant and more resistant to abrasion. The anti-static processing increases the friction. It has excellent wear resistance, water resistance, moisture absorption, long service life, good anti-fading performance and anti-static performance.

# Finger cot

Finger cots are made of pure natural latex with very good protection for fingers, to prevent finger printing, perspiration and other contamination that may contaminate the products, to let the operator avoid direct contact with the electrostatic sensitive components, and can safely discharge the body static electricity.



## ◆ Latex finger cot



### Domestic finger cot

Material: Natural latex  
Color: white, yellow, pink  
Size: S, M, L  
Features: no sticky, easy to wear, easy to lace

### Packaging

vacuum packaging, 144pcs/gross, optional 5 gross/bag, 8 gross/bag, 10 gross/bag, etc.

### Application

dustless workshop, precision parts, SMT, LED, LCD, circuit board, micro motor, relay, 3D glasses, etc.



### Import finger cot

Material: Natural latex  
Color: white, yellow, pink  
Size: S, M, L  
Feature: no powder, good cleanliness



### Anti-skip finger cot

Material: Natural latex  
Length: 60 ± 2mm  
Diameter: S: 20mm / M: 27mm / L: 29mm  
Thickness: 1.5mm  
Weight: 1g  
Color: orange, beige  
Size: S / M / L

## ESD apron

### Applications

Electrostatic sensitive area, class 10000, class 1000, class 100 clean clean area, widely used in electronic factory, food factory, biology and pharmacy, laboratory, petroleum, chemical industry, hospital, etc.



### Specifications

Material: Anti-static fabric  
Optional fabric: 2.5mm grid  
5mm stripe/grid  
Color: White, yellow, pink, blue, etc.  
Gender: Unisex  
Surface resistance:  $10^6-10^9 \Omega$   
Friction voltage: 160-200V

### Features

Anti-static apron is made of polyester filament and high performance permanent conductive fiber with special process, which has lasting anti-static and dust-proof performance.

## ESD Arm Sleeves

### Applications

They are all suitable in the high-clean and dust-free environment, widely applicable in the 10 to 10000 grades dust-free environment, electronics industry, LCD manufacturing industry, pharmaceutical product manufacturing industry, semiconductor industry, magnetic head manufacturing industry, chip manufacturing industry, optics, wafer, etc.



### Specifications

Material: Anti-static fabric  
Optional fabric: 2.5mm grid  
5mm stripe/grid  
Color: White, yellow, pink, blue, etc.  
Length: 300mm  
Gender: Unisex  
Surface resistance:  $10^6-10^9 \Omega$   
Friction voltage: 160-200V

### Features

Anti-static sleeve is composed of polyester filament yarn and high-performance permanent conductive fiber through unique weaving craft, which have the lasting anti-static and dust-proof function. It is a necessary measure to human's body electrostatic protection. And it is also available for customization varying with clients' demands.

## ESD Socks

### Applications

Applied to the electronics, microelectronics, telecommunications, petrochemical industry, military industry, coal, medicine, rubber, inflammable and explosive goods and other places of electrostatic hazards.



### Specifications

Material: Combed cotton ≥ 80% + conductive fiber 20% + spandex covered yarn + 100# rubber string  
Color: Black, grey  
Size: Free  
Weight: Summer 30g/pair  
Winter 40g/pair  
Surface resistance:  $10^6-10^9 \Omega$

### Features

Anti-static socks is a kind of socks that can eliminate the problem of static electricity, inhibit bacterial reproduction and neutralize odor. Good thermal conductivity, warm in winter and cool in summer.

# ESD table mats

Anti-static/ESD table mat with thickness in 0.3mm to 0.5mm of top layer and 1.5mm to 1.7mm of bottom layer, it is mainly made by conductive, dissipative materials and synthetic rubber.

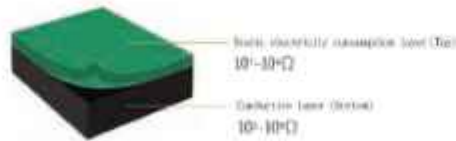
## Application

1. Make sure the electric potential consistent with ESD tweezers, tools, components and testers, to prevent the interference of sensitive devices, as so to avoid the damage to the devices.
2. Applied in semiconductor devices, electronic computers, electronic communications equipments, integrated circuits, other microelectronics industry workshop and laboratory.

## Specifications



Here only for reference color, the actual color of the product, please consult the salesman or reference samples.



Models	TM181	TM102	TM103	TM202	TM203	TM283
Ratio: $\frac{top}{bottom}$	1:1	0.5:1.5	0.3:1.7	0.45:1.55	0.35:1.65	0.3:1.5



## Product Series

Model	Color/Surface	Application
TM181	Green/Dull	Applicable to semiconductor devices, electronic computers, electronic communications equipments, integrated circuits, other microelectronics industry workshop and laboratory.
TM102	Green/Dull	
TM103	Green/Dull	
TM202	Green/Shiny, Green/Dull, Gray/Dull, Black/Dull, Dark Green/Shiny, Apple green/Shiny	
TM203	Green/Shiny, Green/Dull	
TM283	Green/Shiny, Green/Dull	
TM301	Green/Dull, Blue/Dull, Gray/Dull	



## Natural rubber

Natural rubber		
TM181	Top and bottom layer with 1:1 in ratio with thickness in 1.8mm	Anti-acid, anti-alkali, anti-chemical solvent with consistent ESD reading and long life time, no smell
TM102	Top and bottom layer with 0.5:1.5 in ratio	
TM103	Top and bottom layer with 0.3:1.7 in ratio	
Mixed rubber		
TM202	Surface thickness is moderate	Anti-acid, anti-alkali, anti-chemical solvent with consistent ESD reading and long life time, higher cost performance
TM203	Slightly thin surface	
TM283	1.8mm in thickness	
Nitrile foamed rubber		
TM301	Nitrile foamed in bottom layer	Anti-acid, anti-alkali, anti-chemical solvent with consistent ESD reading and long life time



## Testing

Testing	Testing Details	Testing Standard
Vision	Yellowish color	No yellowish or whitish
	Scratching	smooth surface, no scratching
ESD Reading	ESD Reading in top layer	$10^9-10^{10}\Omega$
	ESD Reading in bottom layer	$10^8-10^9\Omega$
Dimension	Thickness	2.0±0.05mm 1.8±0.05mm
	Width	0.6/0.6/0.9/1.0/1.2±0.1m
	Length	10±0.05m
Aging test	Aging time	No yellowish or whitish after 24 hours.
		No yellowish or whitish after 48 hours.



## Packaging

1. PE bag and kraft paper.
2. PE bags and cartons.
3. PE bag and kraft paper and carton.





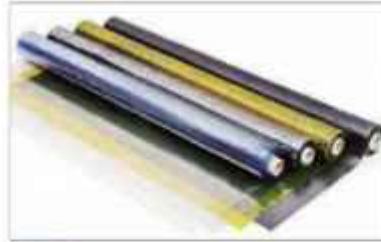
# Anti-static PVC curtains

ESD PVC curtain mainly made of polyvinyl chloride with conductive ink to achieve ESD property.

Widely used in electronics, food industries and clean rooms.

## ◆ Features

1. To prevent dust and ultraviolet.
2. Stable ESD property and better transparency.
3. With noise-isolating function.



## ◆ Specification

Item	No.	Color	ESD Reading
PVC Curtain	PC101	Clear	10 <sup>6</sup> -10 <sup>9</sup> Ω
	PC301		
	PC501		
	PC101W	Clear/blank/yellow with grid	10 <sup>6</sup> -10 <sup>9</sup> Ω
	PC301W		
PC501W			
Length	30m / 50m		
Width	1.37m		
Thickness	0.25mm / 0.3mm / 0.45mm / 0.5mm / 1.0mm		



## ◆ Package

Inner package: PE bag with foamed plastic, trolly/carton.



# Anti-static dispensers

The anti-static dispenser, also known as an ESD alcohol bottle, is an ideal device for using cotton swabs, dishcloth and cotton balls to absorb alcohol, acetone, methanol, diluents and other reagents.



## ◆ Anti-static plastic alcohol bottle



### Specifications

Material: plastic  
Color: White, blue, pink  
Capacity: 100ml, 150ml, 250ml

### Applications

Suitable for assembly line production and repair work.

### Features

The lid ensures that the reagent will not be volatilized when it is not used. The stainless steel fixed design guarantees the use of a strong magnet. Precision machined valves can prevent solvent evaporation and leakage. The handle part is sealed with a sticky cover to ensure the purity of the reagent.

Tap off cap for handle



## ◆ Protective glasses



### Specifications

Lens material: PC polycarbonate  
Lens color: transparent  
Frame color: Blue  
Fit-over: 2-3mm  
Weight: 25g  
Frame adjustment: Yes  
Eye distance: 60mm

### Features

The protective design of eyeline ridge and back prevents the particles coming from above and side, same design provides the comprehensive protection for the eyes. The two-stage buffer and after can adjust the beyond design lens, eg. coordinates the personal profile can adjust the length at will. The foot and ear are equipped with a rope hole, light and convenient, strengthening lens, anti impact, anti scratch.

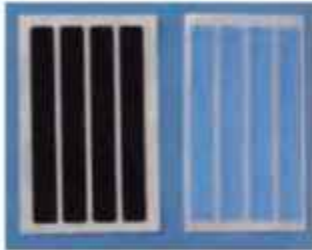
# Splice tape

Splice tape is a kind of tape that used to connect the electronic components to reduce the downtime of the patch machine, while saving time and improving the overall cost effectiveness.



## ◆ Single side splice tape

The single side splice tape has various models, which is usually used combined with the splice plate and the splice copper buckles. The skilled staff can also use the four-sided splice tape to bind tape, which is relatively cheap.



### Specifications

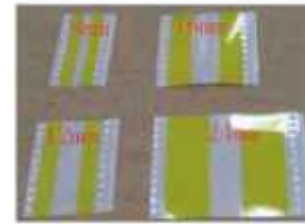
Product structure: using of four tape combination  
Tape color: yellow,blue,black  
Width: 5mm/12mm/15mm/24mm  
Optional: anti-static (black), not anti-static

### Advantages

1. With the splicing way of splice paper and splice copper buckles, the splice tape is fit for suitable for any type and any width of the tape, and can also be used for the connection of loose material.
2. Improve process efficiency.
3. Easy to operate and save labor.
4. Reliability and tape precision.
5. Make full use of surplus materials.

## ◆ Double sides splice tape

This type of splice tape is suitable for the model: JUKI, YAMAHA, panasonic, Fuji, samsung, Siemens, Hitachi, etc.



### Specifications

Product structure: composed of two tapes. The positioning hole is pressed on the edge of the product.  
Tape color: yellow, blue, black  
Width: 5mm/12mm/15mm/24mm/34mm  
Length: 45mm  
Optional: anti-static (black), not anti-static

### Advantages

1. Do not need auxiliary tools.
2. Improve process efficiency.
3. Easy to operate, save labor.
4. High reliability and accuracy.
5. Make full use of surplus material.

### Instructions for use

Striping off the base paper on the dot raised side, then let the SMT components with solder set to bind the dot raised position, so that the tape is adhere to the SMT components, hold the tape along the center line to adhere the other side of the SMT components, then remove the cover paper and press the upper and lower side of the tape to make the components connected in good condition.



## ◆ Universal splice tape

Universal splice tape with high demand that available for Panasonic, Siemens Universal and other chip models.



### Specifications

Product structure: composed of four tapes, two of which can be effectively applied to the World, JUKI, Sanyo, Hitachi and other models.  
Tape color: yellow, blue, black  
Width: 5mm  
Optional: anti-static (black), not anti-static

### Advantages

- Using edge positioning design, positioning fast, high accuracy for splicing.  
Adopting design of series of splice tape with no need of any auxiliary tools and can easily complete the feeding process by the positioning side.

## ◆ Special splice tape

Applicable to Panasonic 402,502 and other high speed models.



### Specifications

Product structure: The overall design idea is to completely cover the surface of the SMT tape hole with the splice tape, and it can be effectively used in the Panasonic CM402 Probe-Road/layer surface mount platform for automated programming module.  
Tape color: yellow,black,black  
Width: 5mm  
Optional: anti-static (black), not anti-static

### Advantages


- The product adopts edge positioning design, which can easily complete the splicing process by using the positioning edge and with no need of any auxiliary tools. The design of the diagonal triangle is easy to fly.

# Splice pliers/scissors

Splice Pincer is a kind of tool for connecting SMT chip components and carrier tapes.

Advantages: improving work efficiency; saving material, which making full use of the remaining material; reducing downtime to extend the service life of the machine.

Usage: Cutting the component and carrier tape, installs the brass buckle on the location pin of splice pincer and presses the carrier tape to the brass buckle. Please ensure the cambuckle is pressed properly on the carrier tape, and then take the carrier tape out. Finished.

Siemens Splice Pincers	Panasonic Splice Pincers	All-round Splice Pincers
		
<b>Features</b> <ol style="list-style-type: none"> <li>1. It's firm when uses the SMT single-sided carrier tape and brass buckle together.</li> <li>2. It's easy for female to operate and it is light and handy for its special materials.</li> <li>3. Its quality is excellent and durable, with long service life.</li> </ol>		

## Stapler-Type Splice Pincers

Using it along with the continuous copper buckle, eliminating the time spent for changing single-sided copper buckle, each piece can be used continuously for 20 times, changing material easily. Continuous copper buckle 25 per box packaged. Splice pincers also can be installed on the splice pincer car to make it more convenient to operate.

### Features

1. Height adjustable.
2. Moving conveniently.
3. Turning splice pincers all-way.



V-type Positioning Scissors	Straight Positioning Scissors	Small Scissors
		
<p>A special positioning column, suitable for a variety of tapes in different width, especially the tapes whose pitch are 2mm or less such as devices 0402 0201. It can be accurately cut in the middle of the two components to reduce waste and the two joints are very consistent; the distance between the two holes is always 4mm, so as to ensure that there will be no mismatch or other problems arising in the Feeder because of splice. Attractive appearance, practical, and long service life.</p>		

# Soldering wire

Solder wire is made of tin alloys and additives, and the alloys are made of Sn-Pb and leadless additives which poured into the middle of tin alloys evenly.

## Categories

### According to the classification of metal alloy material

It can be divided into tin-lead alloy solder wire, pure tin solder wire, tin-copper alloy solder wire, tin-silver-copper alloy solder wire, tin-bismuth alloy solder wire, tin-nickel alloy solder wire and special tin alloy solder wire.

### According to the classification of the chemical composition of solder wire additives material

It can be divided into resin core solder wire, free-cleaning solder wire, solid solder wire, resin solder wire, single-core solder wire, three-core solder wire, water soluble solder wire, Aluminum-welding solder wire, and stainless steel solder wire.

### According to the classification of melting temperature

It can be divided into low temperature solder wire, normal temperature solder wire, and high temperature solder wire.

## ◆ Soldering wire, lead free



### Specifications

Material: Sn, Ag, Cu  
 Product Weight: 80g (can be customized 100-1000g)  
 Standard diameter: 0.6mm, 0.8mm, 1.0mm, 1.2mm (can be customized 0.5mm-3mm)

### Features

1. Good wettability, electrical conductivity, thermal conductivity, easy to solder.
2. Flux distributes evenly, and no broken flux in the Br case.

Composition	Melting Point °C	Features
Sold6 3Cu0.3	227	Lower cost, it is currently the most frequently used and economical environmental solder wire, suitable for the common welding.
Sold6 3Ag3.0Cu0.6	222	Higher cost because of the high content of silver, but the soldered dots are most bright and the welding performance is best.
Sold6Ag0.3Cu0.7	217	Containing a small amount of silver, brighter soldered dots, excellent performance, suitable for higher requirement welding.

## ◆ Soldering wire



### Specifications

Material: Sn-Cu  
 Product Weight: 80g (can be customized 100-1000g)  
 Standard diameter: 0.6mm, 0.8mm, 1.0mm, 1.2mm (can be customized 0.5mm-3mm)  
 Flux content: 1.8% - 2.5%  
 Operating temperature: 280°C - 300°C

### Features

1. Bright and reliable soldered dots.
2. Good wetting performance.
3. Small consistency.
4. High insulation resistance.
5. Less residue after welding and the color is light.
6. Little splash when welding, less smoke and fag, and no incompatible metal.

Model Number	Melting Point °C	Density g/cm3	Uses
S-20P037	193	8.4	For some demanding circuit boards, such as precision instruments, electronic laboratory, telecommunications, micro-technology, aviation industry, etc.
S-20P040	183-190	8.3	
S-20P043	183-203	8.7	
S-20P050	192-216	8.9	For some common circuit boards, such as household appliances, electrical instruments, automotive electronics, general hardware, electrical products, etc.
S-20P055	183-217	8.1	
S-20P060	183-238	8.3	
S-20P065	183-247	8.5	
S-20P078	183-215	8.7	For some lower requirement circuit boards, such as hardware machinery, automotive water tanks, light bulbs, cable joints, etc.
S-20P075	183-268	8.9	
S-20P075	227	7.4	For high-end electronic products, export-quality electronic, electrical, industrial products.

# Desoldering pen

Solder sucker is a tool to repair electrical appliances, collecting the soldering tin that melts when dismantling electronic components on the pads.

## ◆ Manual desoldering pen



### Specifications

Model: Plastic Solder Sucker  
Material: ABS  
Suction: 400m-Hg  
Length: 330mm  
Weight: 37g  
Package: Blister Card

### Features

Plastic solder sucker is lightweight and inexpensive, and the suction of long plastic solder sucker is stronger.

## ◆ Semi-aluminum desoldering pen



### Specifications

Material: half of Aluminum and half of plastic  
Suction: 370m-Hg  
Length: 180mm  
Weight: 200g  
Colors: gold/black (black and silver)  
Package: Blister Card

### Usage method

1. Firstly, please press the piston of solder sucker down until it is jammed.
2. Please use the electric soldering iron to heat the soldered dots with the solder heated.
3. Moving away the electric iron, at the same time, put the suction sucker point attached the solder joints quickly, and press the suction button.
4. Please operate repeatedly until cleaning.

### Features

Good looks, good tightness of the suction tube and it's convenient that can be used by one hand.

### Usage skill

1. Please ensure the tightness of solder piston, before using, use your fingers to close the hole in the suction head and press the button, if the piston does not pop up, it means the tightness is good.
2. The diameter of solder sucker has different sizes, please choose the appropriate to use.
3. Please replace a new piston when the solder sucker head becomes old.
4. Before touching the solder joints, dip a little bit of resin each time to improve the feasibility of the sucker.
5. Touching the soldered dots for a longer time, when the solder melts, please take the solder pipe at the center, hand out clockwise then a circle, and then press the suction button.

## ◆ Electric soldering pen



### Specifications

Model Number: AKT-363  
Material: plastic handle, stainless steel casing  
Suction: 400m-Hg  
Length: 280mm  
Suction nozzle diameter: 3mm  
Power cord length: 1300mm  
Tin nozzle length: 110mm  
Voltage: 220V  
Power consumption: 30W  
Weight: 130g

### Features

Dual-use design, stable performance, high strength heat-resistant handle, stainless steel casing and high-quality durable heating element. With strong suction, long service life, heating quickly, simple operation, good looks and so on.

## ◆ Electric soldering sucker



### Specifications

Model number: S-030P  
Material: Stainless steel  
Suction: 60 (mm-Hg)  
Length: 220mm  
Weight: 1.8kg  
Power supply voltage: AC 200V - 240V 50Hz  
Vacuum pump: vibration type  
Power consumption: 100W  
Heating components: ultra long life imported technology ceramic heater  
Temperature range: 350°C - 450°C (optional)  
Relative degree of vacuum: 80Pa (600mmHg)  
Insulation resistance: >100 MΩ  
Work mode: Continuous  
Specification of the sucker nozzle: φ12mm×30mm

### Feature

Using the printed circuit ceramic heater, long service life, portable integrated design, the overall compact and lightweight, strong suction due to double pump structure, the vacuum is greater than 80Pa (600mmHg), detachable transparent heat cover, easy to maintain the vacuum pump, rapid heating function, stable working temperature and instantaneous back to temperature function, the storage tube is made of high strength and high temperature resistant plastic, suitable for double-sided and multi-layer circuit board.

# Soldering heater

Tin stove refers to the electronic soldering used in a welding tool. Good for discrete components circuit board welding, easy to operate and high efficiency.

## ◆ Soldering heater



Model Number	PCF-80CT	PCF-80CT	PCF-100B	PCF-100B
Supply voltage	AC 200V 230V 50Hz			
Input power	80W	100W	100W	200W
Temperature range	270°C-500°C		200°C-500°C	
Melting tin time	<20seconds		<10seconds	
Machine size	170mm*90mm*75mm		170mm*90mm*75mm	
Tin pot volume	φ30*38mm <sup>3</sup>	φ30*34mm <sup>3</sup>	φ30*38mm <sup>3</sup>	φ30*34mm <sup>3</sup>
Solder capacity	<300g	<400g	<250g	<400g
Performance characteristics	Ceramic insulation technology, high thermal efficiency, fast tin melting, excellent insulation design, the working temperature can be adjusted between 270°C-500°C		Electronic ceramic insulation technology, high thermal efficiency, fast tin melting, excellent thermal design, the working temperature can be adjusted between 200°C-500°C and automatic thermostat	

## ◆ Stainless steel soldering heater



Model Number	11A	21B	31C	41D
Power	55W	102W	280W	330W
No-lead stove temperature	100°C-600°C	100°C-600°C	100°C-600°C	100°C-600°C
Tin stove time	< 8min	< 8min	< 8min	< 8min
Capacity	250g	500g	800g	1200g
Tin stove diameter	φ30mm	φ30mm	φ30mm	φ30mm
Depth	50mm	30mm	40mm	40mm

Power cord length: 1m

### Features

1. Easy to operate and understand.
2. Imported copper switch, long service life.
3. Reliable and design, excellent cooling effect.
4. Anti-static mat, non-etc. insulated, safe.

### Attention

- Input voltage: AC220V 50Hz
- Be sure to ground before use, prohibit working without ground lead.
- Start with the knob transferred to the high end, when the tin melt adjust back to the temperature range needed, reasonable tin water working temperature is 300-350 (about 6-8 min), tin water temperature does not too high, otherwise cause heat make Tin pot aging, and the tin water becomes black or yellow, and if using the acidic flux, the pot will be faster corroding under the ultra-high temperature due to leaked tin.
- Turn off the power before leaving to avoid accidents.

## ◆ Lead free soldering heater



Model number	JF-508A	JF-803A	JF-108A
Capacity	500g	1500g	2000g
Power	200W	400W	500W
Tin pot size	φ100mm*40mm	φ100mm*40mm	φ100mm*40mm
Melting tin time	about 15min	about 15min	about 15min
Dimensions	250*180*110mm		
Material	Pure Titanium	Pure Titanium	Pure Titanium
Temperature range	30°C-600°C	30°C-600°C	30°C-600°C

### Features

1. Clear temperature digital display, precise temperature control accurate to 0.1°C, the temperature is stable and uniform.
2. Safety devices to protect the safe operation of the circuit.
3. Pure copper slip type push-button control switch, simple and convenient operation, long service life.
4. High-quality non-etc. rubber heat raw materials, non-etc. shockproof, moisture proof, heat insulation.



# Anti-static bag

The shielding bag can effectively isolate the goods and the external static electricity field, prevent the static electricity generated within the bag, protect the goods from the electrostatic hazard, and can also prevent the electromagnetic interference.

## • Aluminum bag

Aluminum foil bag also called pure aluminum bag. The aluminum foil bag packaging usually refers to the aluminum-graphite composite vacuum bags. aluminum foil bag is made of aluminum foil and other high barrier material through compound, according to the nature of the aluminum characteristics, using five-layer layer composite structure. Has a good waterproof, oxygen insulation function. It can be made of different specifications of packing bags, such as flat pocket, stand bag, organ bag and other styles.



### Specifications

Surface resistance:  $10^4-10^{11} \Omega$   
 Electrostatic shielding residual voltage:  $\leq 30V$   
 Electromagnetic interference attenuation (EMI):  $\geq 20dB$   
 Three layers: PET/AL/PE  
 Four layers: PET/AL/NO/PE  
 Single layer thickness: conventional thickness 0.1-0.14mm, can be customized  
 Edge: 5-10mm  
 Sealing edge: hot double edge sealing, three edges sealing  
 Opening direction: short side opening, long side opening

### Features

Product Appearance and Features: opaque, silver-white reflective, with good barrier, heat-sealing, high blocking, high temperature sealing, high temperature resistant, low temperature resistance, oil resistance, fragrance, non-toxic and tasteless, soft. The bag has anti-static, anti-magnetic interference, can effectively protect sensitive components to avoid potential electrostatic hazards and prevent static accumulation.  
 Applicable to packing of all kinds of circuit boards, electronic products, precision machinery parts, consumer goods, industrial products and so on. For example: The packaging of PC board, IC integrated circuit, electronic components, various LED industry SMT patches, lamp tube packaging, precision hardware, auto parts and so on.

## • Anti-static shielding bag

Aluminum-graphite bag, according to the unique physical properties of aluminum, its light and shiny has strong reflective ability, can be used for heat insulation packaging good barrier, impermeable gas and water, resist the temperature adaptability is good the shape is stable under high temperature or low temperature excellent shading ability can protect inorganic and so on.



### Specifications

Surface resistance:  $10^4-10^{11} \Omega$   
 Electrostatic shielding residual voltage:  $\leq 30V$   
 Electromagnetic Interference Attenuation (EMI):  $\geq 20dB$   
 Structure: APET/OPP, APET/OPP  
 Single layer thickness: conventional thickness 0.1-0.14mm, can be customized  
 Edge: 5-10mm  
 Sealing edge: hot double edge sealing, three edges sealing  
 Opening direction: short side opening, long side opening  
 Size: conventional: 215 \* 245mm, can be customized  
 Product appearance: silver gray, translucent, packaging

### Features

Structure: APET / CPP (semi-aluminum film/polyethylene coal film) has good transparency, relatively hard, feel tough, tear is relatively weak. APET / PE (semi-aluminum film / polyethylene film) has good heat sealing, good tear, strong pull, feel more soft. The overall color is silver-gray translucent, the bubble is visible.  
 Used as anti-static shielding packaging for all kinds of PC board, LED components (sign article, photo, light bead, reel, etc.), electronics, optical drive, drive, sound card, graphics card and such kind of precision electronic components with electrostatic sensitive.

### Styles



# Anti-static bubble bag

Bubble bags (also known as bubble film, steam beads gum, bubble volume, etc.) is a membrane contains of air bubbles to prevent product collision, by adding different additives in the plastic raw materials, can produce anti-static and other special air cushion film. The anti-static air cushion film is used for packaging electronic components, such as boards, CARDS, etc., which can prevent static electricity and provide a buffer against vibration.

## » Product Features

1. With good shock absorption;
2. Light body, good transparency and flexibility
3. Sound insulation, shock and wear resistance
4. Non-toxic, odorless, moisture-proof, corrosion resistant\*

## » Application Environment

It is widely used in shock-resistance packaging of electronic components, instruments, crafts, household appliances and precision instruments.

## » Specifications



### Vesicle (Φ6mm)

Raw materials: processed with low density polyethylene  
 Bubble specifications: single-sided, double-sided  
 Bubble diameter: Φ6mm (average size)  
 Bubble height: 3mm  
 Surface resistance:  $10^4-10^{11} \Omega$   
 Color: white



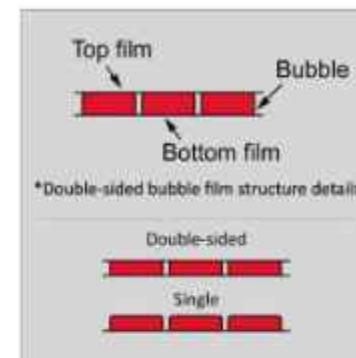
### Medium bubble (Φ10mm)

Raw materials: processed with low density polyethylene  
 Bubble specifications: single-sided, double-sided  
 Bubble diameter: Φ10mm (medium bubble)  
 Bubble height: 5mm  
 Surface resistance:  $10^4-10^{11} \Omega$   
 Color: red



### Big bubble (Φ10mm)

Raw materials: processed with low density polyethylene  
 Bubble specifications: single-sided, double-sided  
 Bubble diameter: Φ10mm (big bubble heavy bubble)  
 Bubble height: 10mm  
 Surface resistance:  $10^4-10^{11} \Omega$   
 Color: pink



# Soldering tip



Soldering iron head is the complementary product of electric soldering iron and soldering station. The main material of soldering iron head is copper, and it belongs to easily-consumed product.

The basic shape is pointed-shaped, horseshoe-shaped, flat-shaped, knife-shaped.

## I-Type Soldering iron head

	
<b>Model Number T16-1</b>	<b>Model Number: 500-I</b>
Material: red copper	Material: red copper
Soldering iron head(Tip length): 14.5mm	Soldering iron head(Tip length): 18mm
Soldering iron head(Tip diameter): 2.5mm	Soldering iron head(Tip diameter): 3.4mm
Soldering iron head total length: 43mm	Soldering iron head total length: 42mm
Temperature adjustment range: 240-480°C	Temperature adjustment range: 0-600°C
Maximum power: 100W	Maximum power: 150-200W
Operational Soldering Station: soldering station FX-880/FX-880C/FX-880D/FX-880E	Operational Soldering Station: Quich Soldering Station 200, Soldering Station SK2300A, Soldering Station SK3300L, Soldering Station JLUO200R, and other 100W/High-frequency thermal soldering stations.
Features: the tip of I-type Soldering iron head is taper, which is suitable for reflow welding, or for the narrow welding space, it can also be used to correct solder bridge produced when welding chips.	

## C-Type Soldering iron head

	
<b>Model Number: 900L-T-4C</b> (leadless Soldering iron head)	<b>Model Number: 200-4C</b> (leadless Soldering iron head)
Material: red copper	Material: red copper
Soldering iron head(Tip length): 28mm	Soldering iron head(Tip length): 11.2mm
Soldering iron head diameter: 8mm	Soldering iron head diameter: 4mm
Soldering iron head total length: 45.3mm	Soldering iron head total length: 21mm
Temperature adjustment range: 240-480°C	Temperature adjustment range: 240-480°C
Maximum power: 80W	Maximum power: 80W

## Milling cutter



### Specifications

Material: Carbide-tipped  
Cutter Diameter: 1-20mm  
Handle diameter: 3-20mm  
Blade Length: 3-70mm  
Total Length: 100-190mm  
Helix Angle: 45°  
Processing Material Hardness: HRC45-50°  
Number of Blade: 2  
Coating: Yes

### Features

Milling cutter can maintain good cutting performance, cutting when can achieve four to eight times higher than the high speed steel cutting speed, ability of high temperature, high hardness at room temperature and good abrasion resistance. Low bending strength, poor impact toughness, very sharp blade.

### Application

Milling cutter is a rotary tool for milling and has one or more teeth. When working, the cutter teeth in turn intermittently cut the excess of the item. Milling cutters are mainly used for machining flat surfaces, steps, grooves, forming surfaces and cutting feed on the milling machines.

## Clean sponge

The soldering iron cleaning sponge is used to wipe off the tin and oxide on the soldering iron.



### Specifications

Material: PVA sponge  
Density: 1(g/cm<sup>3</sup>)  
Regular shape: square, rectangle, circle.  
Size: Can be customized.

### Feature

1.High resilience sponge;  
2.Good soaking, soft and good



## Desoldering wire

The wire is a special maintenance tool which greatly reduces the rework/repair time of electronic products and greatly reduces the risk of thermal damage to the circuit board. It is suitable for the welding of high precision instruments, electronic communication industry, electrical products, micro technology, aviation industry, automobile hardware and electrical appliances etc.



### Specifications

Model: CP-2015  
Width: 2.0mm  
Length: 1.5m  
Knitting method: Plain stitch  
Packing: 10 rolls/bag

### Feature

The precision geometric braid design ensures high surface tension and tin absorbing capacity. Siphon wire is optimized for the heat transfer to the solder joint, thereby accelerating the siphon speed. It is used to absorb excess solder when removing tin, resist oxidation and corrosion, and has good properties of heat conduction and clean absorption of tin.

## Soldering wire holder



### Specifications

Material: Metal, plastic  
Color: Black, yellow  
Length: 90mm  
Width: 90mm  
Height: 60mm  
Weight: 1kg

### Features

The handle of the base and hanging tin wire is neat with metal, firm and durable, the base is stable, the wire shaft can be disassembled and assembled easily, the plastic shaft can bear 1KG of solder, the shaft can be disassembled, the rotation is flexible, the tin wire can be pulled out smoothly, and the operation is convenient.

### Application

It is suitable for the welding of high precision instruments, electronic communication industry, electrical products, micro technology, aviation industry, automobile hardware and electrical appliances, lighting lamps, cable joints and other products.

## Solder paste applicator



### Specifications

Material: Plastic  
Width: 22mm, 25mm  
Length of the handle: 100mm, 130mm  
Total length: 108mm, 200mm  
Color: White

### Features

Light weight, no damage to the steel plate, the printer blade, good flexibility with the steel plate. High mechanical strength, heat resistance, low friction coefficient, wear resistance, oil resistance, weak acid resistance, alkali resistance and general solvent, non conductive, not easily broken, not deformed. No static electricity, no electricity.

### Application

It is mainly used for mixing solder paste of surface resistance, capacitance, IC and other electronic components in SMT industry. Industrial use for solder paste string, other USES for ink mixing.

# Sticky mat

Sticky mat to use as Dust absorbing pad, is suitable to use in the clean room's entrance and buffer. It can effectively remove the dust from the sole and wheel, maximum reduce the dust affect the cleanly environment, it can remove the dust easily. Sticky mat can effectively prevent pollutant And particle due to personnef's flowing entered the strict request working conditions, then keep working conditions is clean.

## ◆ Application

- Widely used in electronics, computer, food, refrigeration industry.
- Clean rooms, labs, semi-conductor industries, instrumentation, aerospace and nuclear industries.
- Surgical rooms, medical device, pharmaceutical and any other dust-free environment.

## ◆ Specification

Film Material	Low density polyethylene
Adhesive Material	Water-based acrylic
Film Thickness	3.5C, 4.0C, 4.5C
Layers/sheet	30layers/sheet or 50layers/sheet
Tackiness	Low/Moderate/High
Size	18"x36", 24"x36", 24"x38", 24"x45", 30"x36" and etc
Color	blue, green, grey, yellow, white, black
Packing	30layers/mat or 50layers/mat, 10mats/box

## ◆ Features

1. Numbered corner tabs for easy tracking of remaining sheets
2. Easy sheet-to-sheet removal
3. Non-transferring adhesive
4. Different tackiness to choose
5. Various colors and sizes are available
6. each layer is attached with high-viscosity or low-viscosity coating layer, smooth and durable.



## ◆ Sticky pad



### Specifications

Size: 130mm\*20mm\*55 sheets/roll  
**Classification:** white background writing paper, yellow background writing paper, white base paper, PVC white base paper, PVC printed paper  
**Collection:** sticky dust paper is used in conjunction with alcohol dust roller, which can remove dust and particulates absorbed on the manual dusting roller roller, so as to maintain the cleaning effect in the working condition of the electrostatic dust roller.

Method of use: use protection paper, sticky paper dust removal roller in single direction, sticky paper dust removal roller roller can be transferred to the sticky paper dust input box, the purpose of cleaning on the surface of the roller roller roller. When the glue surface is surface, the viscosity should be changed in time to ensure the dust removal effect.

### Application

Applicable to semiconductor industry, PCB circuit board industry, food industry, steel plate, LCD and other industries.

## ◆ Silicon bar

ESD sticky glue stick for highly clean, dust-free environment design class - 10-100), the use of raw material for high dust clean, not hair and lan content, does not contain allergens material, has excellent chemical corrosion resistant, antibiotic treatment can safety distribution charge and is not affected by climate change. Suitable for the manufacture and assembly of electrostatic sensitive products.

Application: mainly clean the micro-dust iron on the surface of the exposed coating of the COB process. Clean J10-5000 level clean room) LEDS, CD surface particles. Clean the glass on the surface of the lens.

Model	The first material	Head shape	Head diameter	Color	Rod material	Total length	Packag
BHY	Silicone low viscosity	Round	2.0mm	Red	SUS	77mm	10 pcs / box



Model	The first material	Head shape	Head diameter	Color	Rod material	Total length	Packag
BHY-105B	Silicone low viscosity	Round	2.0mm	Blue	SUS	77mm	10 pcs / box



Model	The first material	Head shape	Head diameter	Color	Rod material	Total length	Packag
BHY-105C	Silicone low viscosity	Round	2.0mm	Transparency	SUS	77mm	10 pcs / box



Model	The first material	Head shape	Head diameter	Color	Rod material	Total length	Packag
BHY-108	Silicone low viscosity	Point	1.8mm	Blue	SUS	77mm	10 pcs / box



Model	The first material	Head shape	Head diameter	Color	Rod material	Total length	Packag
BHY-106B	Silicone low viscosity	Round	1.8mm	Transparent	ABS	76mm	100 pcs / box



Model	The first material	Head shape	Head diameter	Color	Rod material	Total length	Packag
BHY-001	Silicone medium	Round	1.8mm	Transparency	ABS	76mm	100 pcs / box



Model	The first material	Head shape	Head diameter	Color	Rod material	Total length	Packag
BHY-100	Silicone low viscosity	Round	1.8mm	Transparency	ABS	76mm	100 pcs / box



Model	The first material	Head shape	Head diameter	Color	Rod material	Total length	Packag
BHY-002	Silicone high viscosity	Round	1.8mm	Transparency	ABS	76mm	100 pcs / box



Model	The first material	Head shape	Head diameter	Color	Rod material	Total length	Packag
BHY-109	Silicone medium	Round	3.0mm	Transparency	PMMA	170mm	1 pcs / box



# Sticky roller

The dust roller is divided into two types: manual and machine, which are mainly applicable to electronics, semiconductor, LCD, PCB and so on.

## ♦ Application

Widely used in clean rooms, dust-free factories, laboratories, hospitals, high-tech centers, ICU and hospital operating room. Nien dust drum can be used as a clean-room, hospitals and other small dust and small debris powerful cleaning tool.

## ♦ Features

1. Non-toxic adhesive coating
2. Special formulation of water-based adhesive treatment of anti-microbial agents
3. Durable, reusable
4. Efficient cleaning
5. Clean room use



## ♦ Sticky roller



### Specifications

Material: PE film  
Tackiness: Low, medium, high, high viscosity  
Film Thickness: 404-505-55  
Width: 4" 6" 8" 10" 12"  
Length: 15m/18m/25m  
Color: White/Blue  
Package: 50/100/200 rolls carton  
Collaboration: cooperate with roller handle for use

## ♦ PP machine with dust roller/sticky paper roll

The paper is suitable for the printed circuit board, the light paring type is suitable for the one-way layout cleaning machine, and the repeating type is suitable for the repeated layout cleaning machine. It can be used for clean dust removal in LCD panel, guide plate, precision printing and semiconductor. Also can cooperate with silicon rubber machine to use rollers.



### Specifications

Film Thickness: 505um  
Width: 600-1920mm (customizable)  
Length: 25m (customizable)  
Diameter: 33mm/75.3mm/152.4mm (customizable)  
Film color: white  
Film material: polypropylene/polyethylene/terephthalate  
Adhesive: polyacrylate  
Hardener: iso-acetate (or iso)  
Solvent: ethyl acetate  
Packing: 4 pack/carton PE pipe

### Application

The paper is suitable for the printed circuit board, the light paring type is suitable for the one-way layout cleaning machine, and the repeating type is suitable for the repeated layout cleaning machine. It can be used for clean dust removal in LCD panel, guide plate, precision printing and semiconductor. Also can cooperate with a silicon rubber machine to use rollers.

## ♦ Silica gel dust roller



### Specifications

Material: silica gel  
Width: 2" 4" 6" 8" 10" 12" (customizable)  
Conventional outside diameter: 22mm/32mm  
Tackiness: Low, medium, high, high viscosity  
Hardness: regular 25-30 degrees  
Handle: ABS handle, aluminum handle  
Packing: one/bag  
Collaboration: the use of the roller with sticky dust paper, with longer life and better cleaning effect

### Application

Application of silica gel dust roller: semiconductor, PCB, LCD process, guide film, software precision printing, SMT clean room, electronic semiconductor industry

## ♦ Sticky pen

Used in PCB, PCB, backlight, LCD process, optical guide, polarizing film, film precision printing, SMT, dust-free room, dust-free room production line, electronic semiconductor and other industries when producing products, surface cleaning tools required.



### Specifications

Material: Silicon tip+PE plastic  
Pen tip diameter: 5mm, 6mm  
Length of silicone head: 8mm  
Total length: 135mm  
Color: Blue

### Features

Sticky pen is a kind of self-viscous dusting products, which can quickly remove the small particles, impurities, fibers, copper chips, dust, etc. generated in the production process of various electronic products, so as to improve the yield of electronic products and guarantee the long-term effectiveness of the self-adhesive rubber wheel.

## ♦ Sticky roller handle

Sticky roller is suitable for circuit board, PCB, LCD, light guide, electronic semiconductor, film precision printing, etc. Surface cleaning treatment, cleaning glass panel, pressing steel plate, work table and other planes, matching sticky dust, easy to use. All kinds of dust particles, high efficiency and labor saving, can be used in the thousand-grade, 10,000-class clean room.



### Specifications

Handle material: Plastic  
Bracket material: Metal  
Shaft diameter: 200mm  
Width: 4" 6" 8" 10" 12"  
Color: Blue

### Features

Widely used in clean rooms, dust-free factories, laboratories, hospitals, high-tech centers, ICU and hospital operating room. Sticky roller handle is comfortable to use and the roller rotates freely, which can quickly and effectively remove dirt on the floor, wall, table top and other surfaces. It removes dust very well and avoids the secondary pollution caused by traditional utensils such as rags, washing and brooms on products and purification workshops.



# Cleanroom paper/ Cleanroom notebook

## ◆ Cleanroom paper

Cleanroom paper is made from wood pulp, applied to Class 100 and above cleanrooms. Special fiber structure to reduce particles, applied to the written and printing in cleanroom.



### Features

1. Strong absorption and anti-dissolving.
2. Low dust emit (1/10000 or less than normal paper).
3. Applied to oily and water-based pen written suitable for varieties of printers.
4. Through the polymerization process, the paper surface can reduce the static caused.

### Product specifications

Color: white 72gsm, white 80gsm, pink 64gsm, light pink 80gsm, pink 80gsm, red 72gsm, orange 80gsm, light yellow 64gsm, light yellow 80gsm, bright yellow 80gsm, light green 80gsm, green 80gsm, light blue 64gsm, light blue 72gsm, blue 80gsm, dark blue 80gsm, purple 80gsm, gray 80 gsm, black 80gsm

### Packing

A3, 250 sheets/ream	5 reams/carton
A4, 250 sheets/ream	10 reams/carton
A5, 250 sheets/ream	20 reams/carton

## ◆ Cleanroom notebook

Cleanroom notebook is the clean paper with special ink printing lines by a staplited or PVC spring binded, use in clean room for written and printing.



### Specifications

Size	Pages	Binding	Weight	Color code	Color	Packaging
A4	20	Staple	72gsm	341	light blue	20pcs/Shielding bag, 120pcs/carton
	50	PVC spring	72gsm	341	light blue	5pcs/Shielding bag, 40pcs/carton
A5	20	Staple	72gsm	341	light blue	20pcs/Shielding bag, 240pcs/carton
	50	PVC spring	72gsm	341	light blue	10pcs/Shielding bag, 80pcs/carton
A6	20	Staple	72gsm	341	light blue	40pcs/Shielding bag, 480pcs/carton
	50	PVC spring	72gsm	341	light blue	20pcs/Shielding bag, 120pcs/carton

#The size and pages can be customized

## ◆ Clean mop

Applied in electronic dust-free industrial workshop, laboratory, printing industry, dust-free workshop, semiconductor, microelectronics, pharmaceutical industry, biotechnology and medical equipment field design, used for cleaning experiment and operation area.



### Specifications

Length:130 cm  
Mop head: 45\*17cm  
Color: White, blue  
Mop material: Anti-static fabric + ultra-fine fiber dust-free cloth  
Handle material: Stainless steel

### Features

The clean mop with good water absorption and super cleaning power, easy to wash, dry and durable.It is light weight and easy to operate. The bolt wheel can firmly grip the mop head. It is convenient to install or remove the replacement mop head.

## ◆ PE protective film

PP injection molded products, PVC sheets, acrylic sheets, instruments, plastic lenses, paint surface protection;The protection of copper wire with axle and the finished product of coiling, the finished product and semi-finished product of protection should be used in the electronic industry in the production process, and it is not easy to be scratched and damaged on the assembly line.



### Specifications

Material:PE  
Color: Transparent  
Length: 250m  
Width: 450mm  
Thickness: 20um  
The paper core diameter: 75mm  
Weight: 2.5kg

### Features

Appropriate viscosity: easy to stick and tear;  
Stability of stripping force: the change is small during menstruation, that is, the higher the stripping force is, the better; Non-pollution and non-corrosion: the adhesive is inert and will not react with the surface of the adhesive;  
Excellent mechanical properties: tensile strength, elastic modulus, elongation, etc. that meet the requirements of users.

## ◆ Anti-static strapping band

Widely used in wooden industry, paper industry, electrical appliances, metal products, tobacco, chemical fiber, cotton belt and other industries carton packing or other relatively light object packaging, suitable for packing tape machine (semi-automatic, automatic, manual baler).



### Specifications:

Material: PP  
Color: Black  
Width: 8mm, 9mm, 12mm  
Length: 1000m-3000m  
Thickness: 0.6 mm- 0.9 mm  
Resistant temperature: 170 C + 5 C  
Wrapping paper core: 220mm

### Features

Polypropylene (PP) is the main raw material. Due to its good plasticity, strong fracture tension, resistance to bending fatigue, low density and good tensile impact performance.All kinds of strapping machines (semi-automatic, automatic and manual baling machines) applicable to all industries; Strong adhesion, large tensile force, light quality, corrosion resistance, beautiful appearance, high-grade; Bright color, yellow, white, black and other colors; According to customer requirements and samples, we can produce special packing tape such as printing words and ICONS

# Tapes

## ♦ Marking tape

Applicable to the protection of underground pipes such as air pipes, water pipes and pipelines; Twill printing tape can be used for warning signs on the ground, columns, buildings, traffic and other areas. Anti-static warning tape can be used for warning of floor area, sealing of packing cases, packaging of products, as well as prohibiting, warning, reminding and emphasizing on floor, wall and machine.



### Specifications

Color: Yellow  
Material: PVC  
Length: 22m  
Width: 48mm, 55mm  
Thickness: 0.14mm  
Adhesive: Pressure sensitive adhesive

### Features

Strong stickiness, any article can be pasted Simple operation, no taste, long paste can also be easy to clean; Obvious color, play a good warning role; surface wear resistant, able to withstand high flow pedal; Special white adhesive has good adhesion, certain anti-corrosion, acid and alkali resistance, anti-wear.

## ♦ Flooring tape

It is mainly used for signage warning, color coding, warning area, industry, shopping mall, sports place, floor tile, sign of warning object, decoration marking, division of ground (wall) area and electrostatic sensitive product or anti-static area.



### Specifications

Color: Yellow, black, green, red, etc.  
Material: PVC  
Length: 11m, 22m  
Width: 45mm  
Thickness: 0.15mm  
Adhesive: Pressure sensitive adhesive  
Stripping force: 1.8 N/cm  
Tensile strength: 26N/cm  
Elongation rate: 160%

### Features

It has very strong adhesive force, wear-resisting property, excellent elasticity, weather resistance, easy to tear, anti-static, bright and eye-catching, surface wear resistance, can withstand high flow foot, certain anti-corrosion, acid-alkali resistance, no residual adhesive, etc.

## ♦ Sealing tape

It is widely used in carton sealing packing, storage storage goods, container cargo shipping, product sealing and fixation, parts fixing, sharp objects binding, art design, etc. Seal box tapes can be used for international trade sealing boxes, express logistics, online shopping mall, electrical brands, clothing shoes, lighting fixtures, furniture and other well-known brands.



### Specifications

Material: BOPP  
Color: Tauern, transparent  
Thickness: 0.04mm  
Width: 50mm  
Length: 100m

### Features

Sealing adhesive strength, initial adhesion, good adhesion, thin thickness, transparent appearance, non-toxic and tasteless, good safety, good anti-tear performance, great tensile strength, easy to use, with automatic packaging and sealing machine, improve working efficiency and packaging grade.

## ♦ Kapton tape



### Specifications

Base material: PET/PI  
Glue: Silicone pressure sensitive adhesive, silica gel  
Color: Tea brown  
Length: 32m  
Width: 2mm, 4mm, 5mm, 8mm  
Base thickness: 0.025mm  
Tape thickness: 0.025mm  
Adhesion: 6.8 N/25mm  
Tensile strength: 15 g/05cm  
Fracture elongation: 55%  
Temperature resistance: 260 °C for 30 minutes without residual glue  
Silica gel Temperature resistance: 280 °C for 30 minutes without residual glue

### Features

High temperature tape This product has excellent electrical performance, high insulation, high temperature resistance, low temperature, acid and alkali resistance, low electrolysis, good mechanical properties, abrasion resistance, low resistance, special silicic acid treatment, strong adhesion, and is protected after the marking surface is free of residual glue.

### Application

Mainly used in the electronics industry, temperature resistance is usually between 120 degrees and 260 degrees, often used in printing, paint leather processing, coating marking and electronic parts process film, printed circuit board and high temperature processing shielding, electronic manufacturing reflow soldering Gold finger protection in wave soldering.

## ♦ Anti-static tape



### Specifications

Substrate: PET  
Backing material: BOPP  
Glue: Pressure sensitive adhesive  
Color: Black, transparent  
Length: 16m  
Thickness: 0.06mm  
Width: 15, 20mm  
Surface resistance: 10<sup>7</sup>~10<sup>9</sup>Ω

### Features

It has high temperature resistance of 80 °C, good resistance to chemical solvents, high adhesion, softness and no-shipping without residue. It also has anti-static properties and clear transparency, and anti-static treatment on both sides.

### Application

Applicable to parts electrostatic sensitive devices, electronic passive components processing office, clean room, workstation, manufacturing, packing size paste work procedure records, electrostatic shielding sealing pockets, packaging container sealing, to ensure coating surface transfer solvents auxiliary protection, shielding application such as bonding and wiring articles, stacking marks and bag sealing, as well as the certification of anti-static dating.

## ♦ Teflon tape



### Specifications

Base material: Polyimide film  
Color: Brown  
Length: 10m  
Width: 10mm, 15mm, 19mm, 25mm, custom size  
Thickness: 0.13, 0.18mm  
Temperature resistance: 260 °C  
Glue: Silicone  
Substrate: Teflon cloth  
Core material: Fibre

### Features

Teflon tape has a smooth surface, good anti-adhesion, chemical and high temperature resistance and excellent insulation properties. It has high strength, high temperature resistance and normal temperature resistance up to 260 degrees.

### Applications

Soft board FPCB SMT processive and soft board board rigid FPCB SMT process.

# Anti-static stickers

Anti-static labels, the pattern is a hand-shaped triangle or circular arrow; mainly uses yellow with black. Chinese: CAUTION (static sensitive devices or anti-static protection zone, etc.) (contact with electrostatic sensitive components, please take appropriate precautions).

Categories: ordinary type, anti-static type

## ◆ Anti-static warning sticker



### Specifications

Size (single): 25 \* 55mm (can be customized different sizes of squares or rectangles)  
 Number of single sheets: 20pcs/sheet  
 Material: copper stickers  
 Membrane: film coating

## ◆ Anti-static warning sticker (circular arrow)



### Specifications

Size (single): 50 \* 50mm (can be customized different sizes of squares or rectangles)  
 Number of single sheets: 20pcs/sheet  
 Material: copper stickers  
 Membrane: film coating

## ◆ High temperature label



### Specifications

Material: PET  
 Spacing: 2 mm  
 Diameter of tube heart: 40mm  
**Specification:** 15 mm \* 45 mm \* 2000 PCS  
 Features: excellent dielectric properties of PET, good anti-fouling, anti-scraping and high temperature resistance  
 Application: widely used in cell phone battery, computer monitor, air compressor etc.

## ◆ Red arrow label (defective label)



### Specifications

Material: PVC adhesive, coated paper adhesive  
 Glue: water glue  
 Bottom paper: yellow bottom paper  
 Shape: rectangle, circle  
 Thickness: 0.25 mm  
 Size: rectangle: 10mm\*10mm  
           circle: 10mm in diameter  
 Long-term temperature tolerance: 80 °C

## ◆ ESD crocodile clips

### Anti-static alligator clip

is made of high-quality iron sheet and is made of nickel-plated mold, it has the characteristics of not easy to rust, large elasticity, tight crocodile mouth and good electrical conductivity



### Specifications

Material: Stainless Steel  
 Plating: Nickel  
 Length: 50mm  
 Maximum opening distance: 10mm  
 Current: 5A  
 Color: Silver

### Features

It is widely used in high-end and mid-range equipment such as power supply, electronic and audio. It is a must-have for wire manufacturers and it is also used in anti-static products such as anti-static wrist strap, anti-grounding buckle.

## ◆ ESD grounding cord

It is suitable for anti-static equipment such as electronic appliances, LCD/LCM/LED, semiconductor production, instrumentation, microelectronics, pharmaceutical, food and electronics industries.



### Specifications

Cord material: PVC, PU  
 Cord length: 1.8m  
 Color: Black line yellow head, Black line yellow head  
 Conductive fiber spacing: 10  
 Surface resistance:  $0.1\Omega$   
 Static decay time:  $<0.1s$   
 Composition: Star claw buckle, banana plug, crocodile clip

### Features

It is suitable for anti-static equipment such as electronic appliances, LCD/LCM/LED, semiconductor production, instrumentation, microelectronics, pharmaceutical, food and electronics industries.

## ◆ ESD heel strap

Suitable for semiconductor, microelectronics, photoelectric lighting, communication equipment, production line testing and assembly parts, industrial electronics production lines, integrated circuits and other foot wear, used in anti-static areas.



### Specifications

Material: Synthetic Rubber  
 Color: Black/blue  
 Resistor: 1M $\Omega$  ohms  
           Charge decay:  $<0.1s$   
 Surface resistance: Blue  $10^9\Omega-10^{10}\Omega$   
                                   Black  $10^9\Omega-10^{10}\Omega$   
 Ground resistance:  $10^9\Omega$   
 Conductive strip length: 400-450mm

### Features

Suitable for semiconductor, microelectronics, photoelectric lighting, communication equipment, production line testing and assembly parts, industrial electronics production lines, integrated circuits and other foot wear, used in anti-static areas.

# Anti-static chairss

Anti-static chairs are made of PP injection,ESD PU/PVC leather and PU foam materials,Normally,it's composed of chair seat,chassis,lift,five-star foot and also wheels.

Anti-static chair specifically are designed and manufactured to be used in anti-static required environment or clean room.

## ◆ Features

1. They are all with high-strength, high hardness and high toughness, good durability and high impact resistance.
2. Good heat dissipation, soft and comfortable,suitable for anti-static requirements.
3. All the parts are easy to replace and assemble, flexible for combination.
4. Different combination options available according to according to different requirement.

## ◆ Product Category



Anti-static PU Foam Round Stool



Surface: PU foam seat,Color:Black&Blue are optional,Diameter:330mm,Thickness:30-40mm  
 Chassis: Carbon steel paint or carbon steel electroplating  
 Resistivity:  $10^7-10^9\Omega$   
 Height adjustable lift: Standard 140# lift,Adjustable height range: 420-540mm(with foot ring),440-560mm(with castors)  
 Heightened model: 200#lift,adjustable height range 500-695mm  
 Heightened model: 250#lift,adjustable height range 580-840mm  
 Five-star chair foot: Carbon steel chroming five-star-foot,aluminium Die casting foot,carbon steel chroming round-foot,stainless steel round-foot.  
 Flexible wheel: Conducting PE wheel of high strength and resistance,conducting carbon fiber PC trackless wheel  
 Fixed wheels: Conductive anti-slip rubber rest pad,conductive stainless steel rest-pad,conductive plastic wheels and conductive carbon fiber wheels.



## Anti-static PU Leather Chair with Back Rest



Surface:PU leather ; Color:Black/Bluet  
 Chair Seat:400\*480mm/400\*430mm Back Rest:400\*350mm/400\*300mm  
 Chassis:Carbon Steel Paint, resilient steel paint with dust cover.  
 Or chrome electroplated carbon steel, resilient chrome plating curved-back .  
 Resistivity: Surface resistance:  $10^6-10^7\Omega$ ; system resistance: 105-1000  
 Height adjustable lift: Standard Model:140#lift,adjustable height range 420-540mm(with foot ring), 440-560mm ( with castors )  
 Heightened model:200#lift,Adjustable height range 500-680mm  
 Heightened model:250#lift,Adjustable height range 580-840mm  
 Five-star chair foot:carbon steel chroming diameter: 500mm,Aluminium Die casting chair foot,diameter: 640mm  
 Wheel:Flexible wheel:conductive plastic PE moveable castors of high strength and resistance,conductive carbon carbon fiber PC moveable castors.  
 Fixed wheels:conductive anti-slip rubber rest-pad,conductive stainless steel cleaning rest-pad,conductive plastic wheels,conductive carbon fiber wheels.



## Accessories Series



# Humidity indicator card



Humidity indicator card can easily detect relative humidity in a sealed package. It is a convenient and inexpensive way to detect humidity in the environment. The user can quickly judge the environment humidity situation and the use condition of the desiccant by the change of color on the card.

## Classification

1. Cobalt-containing humidity card: to judge the humidity condition directly from color change, its principle is based on color changes that produced by the cobalt chloride after water absorption.  $[Co (H_2O)_4 c l_2]$  for blue  $[6] Co (H_2O)_2 +$  is pink. The card is blue in dry humidity, if the circle color changes from blue to pink, indicate the humidity within the package reach or exceed the circle corresponds to the relative humidity value.
2. cobalt-free humidity indicator card does not contain cobalt chloride, health and environmental protection. It is a convenient and inexpensive way to detect humidity in the environment. The user can quickly judge the moisture and desiccant in the packaging by using the color on the card. If the humidity in the package exceeds or equal to the humidity value, the corresponding point on the card will change from the dry color into the absorbent color, so that the user can easily know the use effect of desiccant.

## Features

1. Easy to use, easy to observe, quickly determine the humidity value.
2. Large humidity indication range (cobalt: RH10% to RH100% no-cobalt: RH10% to RH85%)
3. High sensitivity of humidity indication,  $\pm 5\%$  under relative humidity.
4. Reusable (reuse after drying).



## Production specifications

	Products	Humidity indicator	Application description	The scope of application	Package
One point card		8%	If it shows blue, that means relative humidity is less than 8 percent, then it is in the safe humidity range. If it shows pink, that means relative humidity is above 8 percent, and then it's not safe, and it should change the desiccant in time.	Rg packaging, bottled containers	100/box
Three point card		5% 10% 15%	The color of the points on the card changes as the ambient humidity changes, and each point shows a relative humidity value from 5% to 15%, and the relative humidity can be accurately displayed to determine whether to replace the desiccant.	High sensitivity electronic components, Military equipment, Optical device	200/box
Three point card		30% 40% 50%	The color of the points on the card changes as the ambient humidity changes. The point on the card changes color as the ambient humidity changes. The RH value of 30% is a warning signal. The RH value of 40% informs the user to change the desiccant. The RH value of 50% means that the humidity is too heavy.	High sensitivity electronic components, Military equipment, Optical device	200/box
Four point card		10% 20% 30% 40%	It can accurately indicate 10% - 40% relative humidity to determine whether the desiccant loss of efficacy.	For general packaging protection	200/box
Six point card		10% 20% 30% 40% 50% 60%	The color of the points on the card changes as the ambient humidity changes from blue to pink. It can accurately display the relative humidity level to help determine whether the need to replace the desiccant.	For PCB, IC, microelectronics	200/box

## Pressure Sensitive Paper

Adjust the pressure distribution and balance of all parts of the vehicle LCD control polarizer adhesion, ACF and TCP pressure distribution. Semiconductor on the back of the tape grinding and cutting, adjust the laminated film, adjust the pressure distribution of polishing. The PCB regulates the pressure distribution of the solder paste extruding the PCB, and the pressure distribution of the multilayer PCB's photoresistor film (DFR) lamination.



## Specifications

Type: Double, single  
Size: 210mm\*3m, 270mm\*3m, 270mm\*12m  
Thickness: Single sheet (S) 100um  
Double sheet (W) 100um\*2  
Film type: HS, MS, MW, LW, LLW  
Pressure range measurable: 0.01-0.5MPa  
Temperature range: 20-35 °C  
Humidity range: 35-80%RH

## Features

Conveniently and intuitively check the distribution/uniformity of the applied pressure. The applied pressure expressed by different color concentrations can even be converted into numerical values. No special equipment or device, low cost, fast measurement, the pictures provided are clear and intuitive.