

AVEST COMPANY LIMITED

**SMT Assembly
& Clean Room
• Catalog**

AVEST COMPANY LIMITED

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ESD Table Mat

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

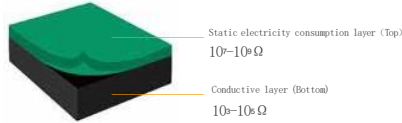
Electrostatic antistatic radio pad can release the human body, make human body with mesa anti-static tweezers, tools, instruments, meter and so on to achieve uniformity of potential, make the electrostatic sensitive components from electrostatic discharge phenomenon of interference, so as to achieve the effect of electrostatic protection, buffer, to avoid device damage effectively.

◆ Specifications

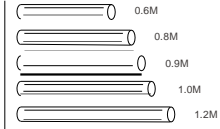
Color



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

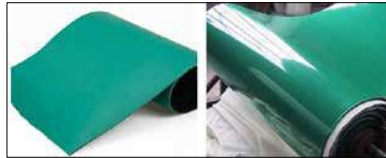


Length



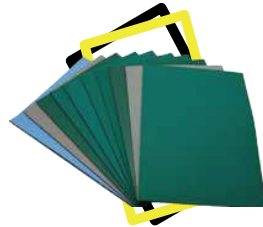
Models	TM181	TM102	TM103	TM202	TM203	TM283
Ratio (mm)	1:1	0.5 : 1.5	0.3 : 1.7	0.45 : 1.55	0.35 : 1.65	0.3 : 1.5

Thickness



◆ 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 lifetime, 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 yellows or whitish
	Scratching	smooth surface, no scratching
ESD Reading	ESD reading in top layer	10 ⁹ -10 ¹⁰ Ω
	ESD Reading in bottom layer	10 ⁹ -10 ¹⁰ Ω
Dimension	Thickness	2.0±0.05mm 1.8±0.05mm
	Width	0.6/0.8/0.9/1.0/1.2+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.



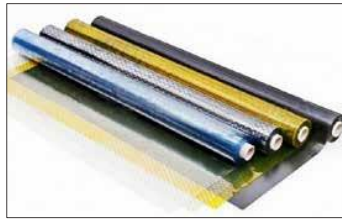
PVC Curtain

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

Widely used in electronics, food industries and clean rooms.

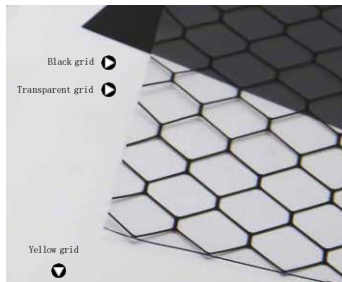
◆Features

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



◆Specification

Item	Model	Color	ESD Reading
PVC Curtain	PC101	Clear	10 ⁶ -10 ⁹
	PC301		
	PC501		
	PC101W	Clear with grid/ Black with grid/ Yellow with grid	10 ⁶ -10 ⁹
	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, 1 roll per outer carton.



Anti-static Shoes

Anti-static shoes are made of a powder material PU or PVC or SPU material to make the soles, and the soles are integrated with the upper part of the shoes, then the lines are reinforced. It can effectively leak static electricity, together with antistatic clothing to form a complete antistatic system.

Applicable fields: electronic, semiconductor, bio-pharmaceutical, food optics and any other clean room or anti-static places, dust-free workshops.



» Anti-static SPU slippers

Anti-static SPU slippers	Anti-static four-hole leather slippers	Anti-static EVA injection slippers
Upper material: SPU Sole material: SPU Color: blue, black Size: 36-46 Ω surface resistance: 10 ⁶ -10 ⁹ Ω Features: soft and comfortable, durable.	Upper material: PVC Sole material: EVA composite Color: blue Size: 36-46 Ω surface resistance: 10 ⁶ -10 ⁹ Ω Features: light and soft, comfortable and convenient.	Upper material: space leather Sole material: PVC, PU color: white Size: 36-46 Ω surface resistance: 10 ⁶ -10 ⁹ Ω Features: easy to clean, comfortable and durable

» Anti-static solid shoes

		
<p>Anti-static canvas shoes</p> <p>Upper material: canvas Sole material: PVC, PU, SPU Color: white, blue Size : 34-46 Ω surface resistance: $10^6 \sim 10^9 \Omega$ Features: breathable and comfortable, durable</p>	<p>Anti-static leather shoes</p> <p>Upper material: space leather Sole material: PVC, PU, SPU Color: white Size : 34-46 Ω surface resistance: $10^6 \sim 10^9 \Omega$ Features: comfortable and durable, easy to clean</p>	<p>Antistatic thin slime shoes</p> <p>Upper material: anti-static striped cloth Sole material: PVC, PU, SPU Color: white, blue, green Size : 34-46 Ω surface resistance: $10^6 \sim 10^9 \Omega$ Features: light and soft, comfortable and convenient</p>

» Anti-static shoes with woles

		
<p>Anti-static canvas / leather shoes with four holes</p> <p>Upper material: canvas + ultra-fiber cloth Sole material: PVC, PU Color: white, blue Size : 34-46 Ω surface resistance: $10^6 \sim 10^9 \Omega$ Features: comfortable, solid, breathable, dustproof</p>	<p>Anti-static leather shoes with six - holes</p> <p>Upper material: space leather Sole material: PVC, PU Color: white Size : 34-46 Ω surface resistance: $10^6 \sim 10^9 \Omega$ Features: comfortable, solid, breathable, dustproof</p>	<p>Anti-static leather porous shoes</p> <p>Upper material: space leather Sole material: PVC, PU Color: white Size : 34-46 Ω surface resistance: $10^6 \sim 10^9 \Omega$ Features: comfortable, solid, breathable, dustproof</p>

» Anti-static mesh shoes

		
<p>Anti-static single-hole mesh shoes</p> <p>Upper material: space leather, canvas, mesh cloth Sole material: PVC, PU, SPU, etc Color: white Size : 34-46 Ω surface resistance: $10^6 \sim 10^9 \Omega$</p>	<p>Anti-static double hole mesh shoes shoes</p> <p>Upper material: space leather, canvas, mesh cloth Sole material: PVC, PU, SPU, etc Color: white Size : 34-46 Ω surface resistance: $10^6 \sim 10^9 \Omega$</p>	<p>Anti-static mesh shoes with magic sticker</p> <p>Upper material: space leather, canvas, mesh cloth Sole material: PVC, PU, SPU, etc Color: white Size : 34-46 Ω surface resistance: $10^6 \sim 10^9 \Omega$</p>

» Anti-static high boots

		
<p>Anti-static leather high boots</p> <p>Upper material: space leather, canvas Sole material: PVC, PU, SPU, etc Color: white, blue Size : 34-46 Ω surface resistance: $10^6 \sim 10^9 \Omega$ Features: comfortable, breathable</p>	<p>Anti-static canvas/mesh high boots</p> <p>Upper material: space leather, canvas, mesh cloth Sole material: PVC, PU, SPU, etc Color: white, blue Size : 34-46 Ω surface resistance: $10^6 \sim 10^9 \Omega$ Features: comfortable and durable, easy to clean</p>	<p>Anti-static high boots with soft soles</p> <p>Upper material: anti-static fabric Sole material: PVC Color: white, blue, pink, yellow, etc. Size : 34-46 Ω surface resistance: $10^6 \sim 10^9 \Omega$ Features: soft and comfortable, economical</p>

Anti-static Clothing



Anti-static clothing is special work clothes with dustless and antistatic features that are suitable for electronic, optical instruments, pharmaceutical, microbial engineering, precision instruments and other industries, the fabric is generally woven by conductive wire embedded synthetic fabrics.

*Application: suitable for dust-free places with high requirements, usually to use with anti-static clothing.

◆Anti-static overcoat



Specifications

Material: anti-static fabric
Optional fabric: 2.5mm stripe / mesh, 5mm stripe / mesh
Collar: stand collar, lapel collar
Closure: zipper, button
Size: S, M, L, XL, XXL, XXXL
Color: white, yellow, pink, blue, etc
Pocket, buckle: optional
Surface resistance: 10⁶Ω-10⁹Ω
Friction voltage: 160-200V
LOGO: can be customized embroidery LOGO
Whether hooded: optional

Features

It is made up of dedicated polyester filament and high-performance permanent conductive fiber, with a permanent anti-static and anti-dust function, Durable cleaning, long service life.

Suitable for the microelectronics, medicine, bio-engineering, food, petrochemical, military industry and other industry that is sensitive to electrostatic dust.



Style 01

Stand collar zipper overcoat



Style 02

Lapel button overcoat



Style 03

Stand collar zipper hooded overcoat

◆Anti-static divided suits



Specifications

Material: anti-static fabric
Optional fabric: 2.5mm stripe / mesh, 5mm stripe / mesh
Collar: stand collar, lapel collar
Closure: zipper, button
Size: S, M, L, XL, XXL, XXXL
Color: white, yellow, pink, blue, etc
Pocket, buckle: optional
Surface resistance: 10⁶Ω-10⁹Ω
Friction voltage: 160-200V
LOGO: can be customized embroidery LOGO
Whether hooded: optional

Features

It is made up of dedicated polyester filament and high-performance permanent conductive fiber, with a permanent anti-static and anti-dust function, Durable cleaning, long service life.

Suitable for the microelectronics, medicine, bio-engineering, food, petrochemical, military industry and other industry that is sensitive to electrostatic dust.

◆Anti-static Coverall



Specifications

Material: anti-static fabric
Optional fabric: 2.5mm stripe / mesh, 5mm stripe / mesh
Collar: stand collar, lapel collar
Closure: zipper, button
Size: S, M, L, XL, XXL, XXXL
Color: white, yellow, pink, blue, etc
Pocket, buckle: optional
Surface resistance: 10⁶Ω-10⁹Ω
Friction voltage: 160-200V
LOGO: can be customized embroidery LOGO
Whether hooded: optional

Features

It is made up of dedicated polyester filament and high-performance permanent conductive fiber, with a permanent anti-static and anti-dust function, Durable cleaning, long service life. Whole body package, dustproof effect is high, cooperated with soft boots, apply to the industry that is sensitive to electrostatic dust.

Anti-static Cap

The anti-static cap is made of polyester filament and high performance permanent conductive fiber woven by a special process, which has a durable anti-static and anti-dust performance. After advanced processing technology, its design and manufacture of various styles and various specifications of antistatic caps, and is the necessary electrostatic protection measures of the human body, can be customized according to customer required specifications and styles.



◆Anti-static small hat



Specifications

Material: anti-static fabric
Optional fabric: 2.5mm stripe/mesh, 5mm stripe/mesh
Color: white, blue, yellow, pink, etc.
Size: S/M/L
Surface resistance: 10⁶Ω-10⁹Ω
Match: with anti-static lab coat/body suit

Features

High quality antistatic anti-dust fabrics, effective anti-dust and anti-static; The brim is strong, the stitching is strengthened, not easy to deform; The back of the cap is elastic belt design, elastic adjustable; The top of the cap has air hole design, comfortable to wear.

It is widely used in industries such as microelectronics, semiconductor manufacturing, photoelectric manufacturing, PCB industry, solar energy, bioengineering and other industries, which are sensitive to electrostatic dust, and have high requirements for cleanliness.

◆Anti-static mushroom cap



Specifications

Material: anti-static fabric
Optional fabric: 2.5mm stripe, 2.5mm mesh, 5mm stripe, 5mm mesh
Color: white, blue, yellow, pink, etc.
Size: one size for all
Surface resistance: 10⁶Ω-10⁹Ω
Match: with anti-static lab coat/body suit

Features

High quality antistatic anti-dust fabrics, effective anti-dust and anti-static; Can effectively wrap the hair, prevent hair and dandruff from falling; The rear of the cap is designed to be adjustable and easy to wear.

It is widely used in electronic, electrical, optical, photoelectric, dust-free room, precision instrument, spray painting, printing etc.

◆Anti-static round cap



Specifications

Material: anti-static fabric
Optional fabric: 2.5mm stripe, 2.5mm mesh, 5mm stripe, 5mm mesh
Color: white, blue, yellow, pink, etc.
Size: one size for all
Surface resistance: 10⁶Ω-10⁹Ω
Match: with anti-static lab coat/body suit

Features

High quality antistatic anti-dust fabrics, effective anti-dust and anti-static; Can effectively wrap the hair, prevent hair and dandruff from falling; The rear of the cap is designed to be adjustable and easy to wear. The top of the cap has air hole design, comfortable to wear.

It is widely used in electronic, electrical, optical, photoelectric, dust-free room, precision instrument, spray painting, printing etc.

◆Anti-static peak cap



Specifications

Material: anti-static fabric
Optional fabric: 2.5mm stripe, 2.5mm mesh, 5mm stripe, 5mm mesh
Color: white, blue, yellow, pink, etc.
Size: one size for all
Ω surface resistance: $10^6\Omega$ - $10^9\Omega$
Match: with anti-static lab coat/body suit

Features

High quality antistatic anti-dust fabrics, effective anti-dust and anti-static; The brim is strong, the stitching is strengthened, not easy to deform; The back of the cap is elastic belt design, elastic adjustable; The top of the cap has air hole design, comfortable to wear.

It is widely used in industries such as microelectronics, semiconductor manufacturing, photoelectric manufacturing, PCB industry, solar energy, bioengineering and other industries, which are sensitive to electrostatic dust, and have high requirements for cleanliness.

◆Anti-static bowknot cap



Specifications

Material: anti-static fabric
Optional fabric: 2.5mm stripe, 2.5mm mesh, 5mm stripe, 5mm mesh
Color: white, blue, yellow, pink, etc.
Size: one size for all
Ω surface resistance: $10^6\Omega$ - $10^9\Omega$
Match: with anti-static lab coat/body suit

Features

High quality antistatic and anti-dust fabrics, effective anti-dust and anti-static; Beautiful, generous, manual regulation of the belt size, easy to wear; The top of the cap has air hole design, comfortable to wear.

It is widely used in industries such as microelectronics, semiconductor manufacturing, photoelectric manufacturing, PCB industry, solar energy, bioengineering and other industries, which are sensitive to electrostatic dust, and have high requirements for cleanliness.

◆Anti-static cape cap



Specifications

Material: anti-static fabric
Optional fabric: 2.5mm stripe, 2.5mm mesh, 5mm stripe, 5mm mesh
Color: white, blue
Size: one size for all
Ω surface resistance: $10^6\Omega$ - $10^9\Omega$
Match: with antistatic coverall

Features

Adopt the magic stick design, easy to use, can adjust the looseness at any time; It can reduce heat, while it is convenient for hearing; The design of the back elastic band is durable and can be flexible adjust according to the size of the head.

Mainly used in microelectronics, photoelectric, biological engineering, food, cosmetics, petrochemical, military industry and other industries that are sensitive to the dust and have high requirements for cleanliness.

PU Gloves

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

◆Features

1. PU Coating is acid-resistant, alkali-resistant and anti-slip.
2. Heat insulating and durable, to avoid fingerprint residue.
3. To avoid hand sweat and particle pollution.
4. Regular cuffs colors (overlock): S: White/pink M: Green L: Grey



◆Models

Regular Models

PU Polyester top fit gloves

MODEL	Item			
WT301	White PU Polyester top fit gloves			
BT302	Black PU Polyester top fit gloves			
WT302	White PU Polyester top fit gloves			
GT302	Grey PU Polyester top fit gloves			

PU Polyester palm fit gloves

MODEL	Item			
WP301	White PU Polyester palm fit gloves			
WP302	Black PU Polyester palm fit gloves			
BP302	White PU Polyester palm fit gloves			
GP302	Grey PU Polyester palm fit gloves			

*Polyester gloves Model X01 collections are comfortable and durable; Model X02 collections are economic and durable.

PU Nylon top fit gloves and PU Nylon palm fit gloves



*Nylon gloves are much more soft&comfortable.

PACKAGE

1. Inner Packing: Single PE bag for each Pair(heat-sealed bag& self-sealing bag are optional), 10Pairs/Bag).
2. External Packing: 300Pairs/Cartron.

ESD Models

ESD Resistance : 10^6-10^9

MODEL	ITEM			
CT3001	White ESD Carbon PU Polyester top fitgloves			
CT3002	White ESD Carbon PU Polyester top fitgloves			
CP3001	White ESD Carbon PU Polyester palm fit gloves			
CP3002	White ESD Carbon PU Polyester palm fit gloves			

*Polyester gloves ; Model X01 collections are comfortable and durable,Model X02 collections are economic & durable.

MODEL	ITEM
CNT3001	ESD Carbon PU Nylon top fit gloves
CNP3001	ESD Carbon PU Nylon palm fit gloves

*Nylon gloves are much more soft&comfortable.



ESD Carbon PU Nylon top fit gloves

ESD Carbon PU Nylon palm fit

MODEL	ITEM
CUT3001	ESD Copper PU Nylon top fit gloves
CUP3001	ESD Copper PU Nylon palm fit gloves

*Copper gloves are with stable ESD property.



ESD Copper PU Nylon top fit gloves

ESD Copper PU Nylon palm fit

Package

1. Inner Packing: Single PE bag with ESD LOGO for each Pair(heat-sealed bag, self-sealing bag are optional), 10Pairs/Bag
2. External Packing: 300Pairs/Cartron.

Anti-static Sewing Gloves

◆Anti-static double-sided striped gloves

Applicable to the optical industry,watches,batteries,electric appliance industry,the electronics industry,precision component assembly,microelectronics,liquid crystal displays and semiconductors,etc.



Specifications

Material: anti-static polyester fabric
Spacing of conductive fibers: 10mm,5mm
Color: white
Size: S/M/L
Weight: 60-90g/m²
Sealing edge method: suture and wrapping
Process: butting,splicing
Ω surface resistance: 10⁶-10⁹Ω
Packing: 10 pairs / bag,1000 pairs / box

Features

Fingertip 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

Applicable to 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 plastic particles
Spacing of conductive fibers: 10mm,5mm
Color: white
Size: S/M/L
Backhand weight: 60g/m²-90g/m²
Palm weight: 140g/m²-220g/m²
Sealing edge method: suture and wrapping
Process: butting , splicing
Ω surface resistance: 10⁶-10⁹Ω
Packing: 10 pairs/bag,1000 pairs/box

Features

Fingertip 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 palms parts to prevent sliding.

◆Anti-static stripe PU gloves

Applicable to 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
Backhand weight: 60g/m²-90g/m²
Sealing edge method: suture and wrapping
Process: butting,splicing
Ω surface resistance: 10⁶-10⁹Ω
Packing: 10 pairs/bag,1000 pairs/box

Features

Fingertip 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-static Wrist Strap

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

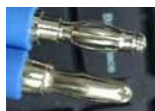


Specifications

Composition: elastic band, active button, spring cord, alligator clip
Wire material: PU, PVC
Wire diameter: 2.05mm, 2.4mm
Conductive fiber spacing: 0.1mm
Conductive yarn: black yarn, white yarn
Line length: conventional 1.8 m, 2.4 m and 3m customizable
Color: blue, black, rose red, etc.
Plug type: four-petal banana head, eight-lobe lantern head or crosshead
Electrostatic discharge time: 0.1s

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 also need to be directly 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: 20 mm
Electrostatic discharge time: 0.1s
Packing: carton

Features

The antistatic characteristics is excellent, low dust and easy to wear, using the principle of physical design of SELGLARD corona discharge, breaking the space system, not tied by the ground line. The static electricity generated by the human body is released through the discharge box. The 12 mu m ultra fine conductive fiber releases static electricity very quickly.

◆Anti - static dual - circuit wrist strap



Specifications

Material: two plastic film (PA6)
Wristband: rubber band adjustable
Conductive yarn: black yarn, white yarn
Conductive fiber spacing: 1mm
Color: blue, black

Wrist strap

Material: PU skin, copper platinum 7 core, within 1 m Ω resistance
Color: blue, black
Coil length: 1.8 m, 2.4 m, 3m etc
Line diameter: 2.05 mm, 2.4 mm

Coil

Head type: audio head
Button type: all copper button, strong elastic copper plug
Button size: 4mm, 7mm, 10mm
Electrostatic discharge time: 0.1s

Features

In actual use process, when one circuit is failure, and the other one still can continue to work, reducing the components insulation probability of electronic electrostatic breakdown caused by the the insulation layer, avoid large quantities of scrap or quality to drop, low use cost.

◆Anti - static cordless metal wrist strap



Specifications

Main part: ABS adhesive material
Wrist strap: stainless steel elastic band, adjustable length
Color: blue
Strap specifications: width 1.7cm, length 16cm
Dissipation time: 0.1 s
Packing: carton

Features

Metal strap, super long life, fast discharge, no ground wire, through the capacitor to reduce static electricity, using the principle of physical design of SELGLARD corona discharge, breaking the space system, not tied by the ground line.

◆Anti - static cord metal wrist strap



Specifications

Main part: ABS adhesive material
Wrist strap: stainless steel elastic band, adjustable length
Color: metal
Strap specifications: width 1.7cm, length 16cm

Wrist strap

Material: PU skin, copper platinum 7 core, within 1 m Ω resistance
Color: blue
Coil length: 1.8 m, 2.4 m, 3m etc
Line diameter: 2.05 mm, 2.4 mm

Coil

Plug type: four-petal banana head, eight-lobe lantern head
Button type: copper button
Electrostatic discharge time: 0.1s

Features

The wire is made of PU material, with better elasticity, stronger bending force and not easy to pull off. Internal wires are 7 core copper wire, discharge static electricity more fast.

◆Anti-static double circuit metal wrist strap



Specifications

Material: two plastic sheets (PA6)
Wrist strap: stainless steel elastic band, adjustable length
Color: metal
Strap specifications: width 1.7cm, length 16cm

Wrist strap

Material: PU skin, copper platinum 7 core, within 1 m Ω resistance
Color: blue, black
Coil length: 1.8 m, 2.4 m, 3m etc
Line diameter: 2.05 mm, 2.4 mm

Coil

Head type: audio head
Button type: all copper button, strong elastic copper plug
Button size: 4mm, 7mm, 10mm
Electrostatic discharge time: 0.1s

Features

In actual use process, when one circuit is failure, and the other one still can continue to work, reducing the components insulation probability of electronic electrostatic breakdown caused by the the insulation layer, avoid large quantities of scrap or quality to drop, low use cost, and extend the service life of the wrist strap; Anti - allergic stainless steel band.

Principle

The anti-static double-circuit metal wrist strap product has a buckle on the outer side of the plastic block which is connected to the conductive webbing on the inner side of the plastic block through the metal connecting member to constitute two independent circuit loops. The plastic block is divided into left and right blocks, two plastic blocks are connected with each other, and the outside buckles of the two plastic blocks were connected with the respective ground line end. Compared with the existing traditional wrist bands, the wrist strap can continue to work even if one circuit fails at any time.

◆Anti-static smart wrist strap



Intelligent (automatic alarm) anti-static wrist strap, using high technology, is a combination of wrist tape and electrostatic detector.

Specifications

Double - loop PU belt: high elastic anti-sway, pure PU adhesive material
Alligator clip: stainless steel clip
Conductive gauze: fine conductive yarn weaving
Automatic detection and alarm device

Features

The reliable alarm of intelligent alarm system can effectively monitor the grounding. The double - loop device can monitor the ground and whether the ground is good! It is more convenient to use the buckle to connect.

Instructions

1. The double loop PU belt is connected with one end to automatically detect alarm device, and the switch is pulled to "ON" position, then it can be used; 2. Use the alligator clip at both ends to connect the grounding system to form an electrical circuit system; 3. In the normal working condition, the red indicator and green indicator light are not bright and no alarm tone is issued. When the body is in bad contact with the tester, the red light is bright and the alarm sounds. When the human body is in bad contact with the earth, the green light is bright and the alarm sounds. When the human body and the wrist band and the earth all have bad conductive contact, the red light and the green light are both bright and alert.

Wrist Strap Monitor

The wrist strap tester can be tested for each wrist strap. It has small volume, light weight and easy to use. Resistance value is not in standard range or low power automatically alarm, red light and alarm.

◆Type:518-1



Specifications

Color: white
Material: ABS.
Weight: 250g
When the human wrist belt ground system works normally: no sound, green light;
When the human wrist is grounded with grounding system, there is a beeping and a red light flashing.

Features:

1. Small appearance and easy to carry.
2. High accuracy, quick response and anti-interference.
3. Small volume, light weight and easy to use.

◆Type:518-2



Specifications

Color: white
Material: ABS.
Weight: 300g
When the human wrist belt ground system works normally: no sound, green light;
When the human wrist is grounded with grounding system, there is a beeping and a red light flashing.



◆HAKK498



Specifications

Power supply: 9V
Ground wire: 2.5m
The external size: 80 (W) *40(H)*117(D)mm
Using the environment: temperature 0 °C to 40 °C,
relative humidity is less than 80%
Low resistance warning: < 800K ohms
High resistance warning: > 10M ohms

Operation instructions

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

Lights and sounds:

- (1) If the green "GOOD" light is on, the grounding system is safe.
- (2) If the red "LOW" light is on, check the resistance of the arm and the ground wire, which is less than 800 thousand euros, which will have an impact on the safety of the body
- (3) 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.

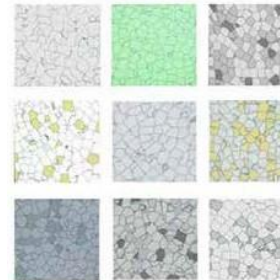
Usage status:

- (1) Normal working state: red ` green warning light is not bright, alarm.
- (2) The detector is not in contact with the human body; the red alarm light is on, and the alarm sounds.
- (3) Bad contact with ground wire: the green alarm lights are on and the alarm sounds.
- (4) When poor contact detector to human body, and contact with the ground wire is bad at the same time, red ` green alarm lights give alarm.

Antistatic Floor

PVC anti-static flooring is the main component of PVC resin, through a special processing technology made of PVC particles due to the interface between the formation of an electrostatic network, making the floor has a permanent anti-static function.

◆Antistatic PVC floor

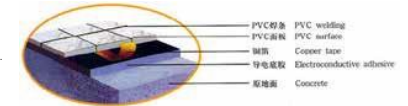


Specifications

Size: 600*600,610*610 (mm).
Thickness: 2.0mm,2.5mm,3.0mm.
Electrical resistance: conductive floor:10⁴ - 10⁶ ohm
Dissipated floor: 10⁸-10⁹ ohm
Electrostatic voltage decay period: average 0.4S
Friction voltage: average 70V
Wear resistance: T group is less than 2.0 cubic mm
Dimensional stability: ≥0.10%

Construction process

1. Surface treatment.
2. The float flat cement leveling.
3. brushing of electroconductive adhesive.
4. laying copper foil into a mesh arrangement.
5. paste the PVC floor.
6. welding.
7. Surface cleaning.
8. Apply anti-static wax.



Installation auxiliary materials: Welding rod, Copper tape, electroconductive adhesive.

(Construction process)

◆Antistatic elevated floor

Specifications	30 with sealing side	35 with sealing side	35 with no sealing side	35 internatona l stand and
Size (mm)	600*600*30	600*600*35	600*600*35	600*600*35
Steel plate thickness (mm)	upper 0.4/lower 0.5	upper 0.4/lower 0.5	upper 0.5/lower 0.6 upper 0.6/lower 0.7	upper 0.6/lower 0.7 upper 0.7/lower 0.8
Load capacity (KG)	700	850	1000	1200
Bracket Thickness (mm)	upper 2 lower 1.2	upper 3 lower 2	upper 3 lower 2	upper 3 lower 2
Beam thickness (mm)	0.8	0.8	1	1
Maximal height (mm)				



(Structure)

Features

1. All-steel structure, high strength, strong bearing capacity and good impact resistance.
2. Surface electrostatic spraying, soft, light, wear-resisting, waterproof, fireproof and anti-corrosion.
3. Anti-pollution, easy to clean, decorative strong.
4. Flexible assembly and long service life
5. easy to install accessories.

Applications

The anti-static floor is widely used in computer rooms, satellite earth station room, radio control room, television station, microwave station computer room, program-controlled exchange room and clean workshop, electronic instrument factory assembly shop, confidential optical instrument manufacturing workshops, hospitals, schools and other places that have requirements of anti-static requirements.

◆Anti-static raised floor



Specifications

Size : 600*600*40/45

Product veneer : 10mm ceramic surface

Plate thickness : upper:0.4mm /lower: 0.5mm

Bracket thickness : On the care: 3mm/Under the care: 2mm

Beam thickness : 0.8mm **Filler :**

High-strength foam cement

Monoblock weight : 18KG

Focus on the load : 300KG

Weigh every square : 1.2~1.8t

Features

1. Ceramic surface, wear-resistant compression is not deformed, pollution-resistant, easy to clean, nice.
2. Filled with high-quality internal foam cement, ceramic plate attached, strong load-bearing capacity.
3. Back with 64 honeycomb ball welded, the floor does not rust bearing capacity.

Anti-static floor is widely used in computer room, satellite ground station room, radio control room, TV transmitter control room, microwave communication station room, program-controlled exchange room, clean plant, electronic equipment factory assembly plant, secret optical equipment manufacturing plant, hospital, Schools and other anti-static requirements of the occasion.

Anti-static Chairs

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 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 Rest-pad), 440-560mm (with Castors)

Heightened model: 200# lift, Adjustable height range 500-680mm

Heightened model: 260# 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 Carbon fiber PC trackless wheel

Fixed wheels: conductive anti-slip rubber rest pad, conductive stainless steel rest-pad, conductive plastic wheels, conductive carbon fiber wheels.



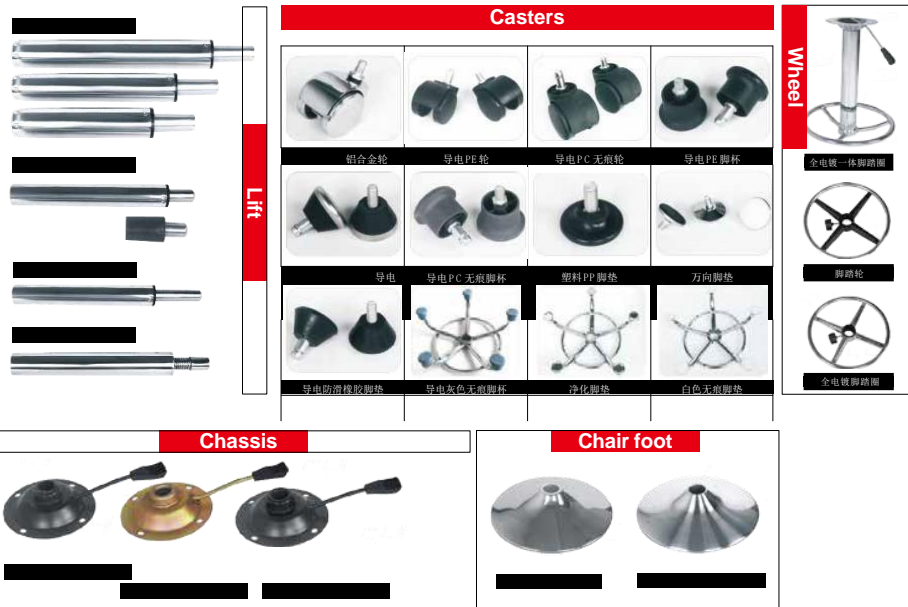
Anti-static PU Leather Chair with Back Rest



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: $10^4-10^6\Omega$; **system resistance:**105-109 Ω
Height adjustable lift:Standard Model:140#lift,Adjustable height range 420-540mm(with Rest-pad) , 440-560mm (with castors)
Heightened model:200#lift,Adjustable height range 500-680mm
Heightened model:260#lift,Adjustable height range 580-840mm
Five-star chair foot:carbon steel chroming,**diameter:**600mm,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.

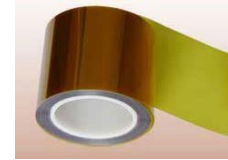


Accessories Series



Tape

◆Anti-static high temperature tape



Specifications

Base material: Polyimide film
Glue: silicone pressure sensitive adhesive
Color: tea brown color
Length (m): 33.66
Width (m): 0.05-1
Base thickness (mm): 0.025
Tape thickness (mm): 0.06
Adhesion (N/25mm): 6.5
Tensile strength (g/25mm): 15
Fracture elongation (%): 55
Temperature resistance (°C): 250°C for 30 minutes without residual glue

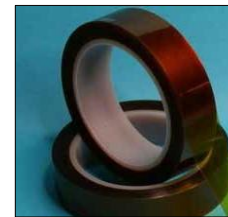
Features

With excellent high temperature resistance,electrical insulation and chemical resistance,Non-toxic,no smell,harmless to the human body and the environment.

Application

this product is used in electronic manufacturing reflow soldering,gold finger protection in wave soldering.

◆FPC high-temperature double-sided tape



Specifications

Base material: Polyimide film
Glue: silicone pressure sensitive adhesive
Color: tea brown color
Length (m) : 10-20
Width (m) : 0-500mm,customizable
Thickness (mm) : 0.95 / 0.20
Adhesion (N/25mm): 6.5
Tensile strength (kg/25mm): 14
Fracture elongation (%): 65
Temperature resistance (°C): 200 °C for 30 minutes without residual glue
Voltage resistance (Volts): 4,000

Features

With excellent dimensional stability under high temperature conditions:has a very long service life,the number of repeated use can reach 500 times;high-performance adhesive at 280 °C high temperature to maintain a stable bond strength;Used for the control of different shapes of

Applications

Soft board FPCB SMT process;thin and soft small board Rigid FPCB SMT process.

◆High temperature resistant green electroplating tape



Specifications

Base material: polyester film
Glue: silicone pressure sensitive adhesive
Color: green
Length (m): 33 ~ 66
Width (mm): 0-500mm,customizable
Thickness: 0.05/0.06/0.07/0.08/0.11
Adhesion (N/25mm): 6.2
Tensile strength (kg/25mm): 124/155
Fracture elongation (%): 120
Temperature resistance (°C): 200 °C for 30 minutes without residual glue

Features

he high - temperature polyester tape is made of polyester film based on imported high temperature organic silicon pressure-sensitive adhesive.The adhesive tape has excellent high temperature resistance,electrical insulation,chemical resistance,high adhesion,soft and no residual adhesion.

Application

suitable for electroplating,ultra-high temperature baking paint and powder spraying etc.

◆High temperature glass cloth double - sided tape



Specifications

Base material: glass cloth
Glue: Silica gel
Color: white
Length (m): 20
Width (mm) : 0.2
Adhesion (N/25mm): 6
Tensile strength (kg/25mm): 380
Fracture elongation (%): 5
Temperature resistance (°C): 200 °C
Pressure resistance (KV): 3

Features

Double-sided glass cloth tape is made of imported glass fabric,combined with high performance organic silicone pressure sensitive adhesive,and made from the composite of transparent and double-sided fluoroplastic material.Excellent heat resistance and complete variety;High temperature resistance,high tensile strength,good chemical resistance and no residues.

Application

In the production process of digital products electronic parts,the pasting of panel.It is widely applicable to high temperature insulation protection and strengthening protection of electronic appliances,instruments and other industries.Can be used in the heating process of temporary fixation,shelter,film parts and other protection,transportation,etc.

◆Black high temperature resistant PI label



Specifications

Glue: permanent acrylic adhesive
Colour: Black
Hierarchy: ink + PI (polyimide) + glue + base paper
Base material thickness: 25±2um
Total thickness: 75±5um
Surface adaptation: heat transfer/free ester ink printing
The temperature resistance performance: > 265 °C,10min

Features

Black polyimide label material to polyimide film as the basic material,then coated with special pressure sensitive adhesive, chemical resistance and abrasion resistance,a maximum of up to 320 °C temperature resistance,resistance to a variety of flux,melting agent and detergent chemicals as well as high temperatures and wear in extreme environments to ensure superior performance in a variety of extreme harsh environments.

Application

designed for printed circuit board characters or bar codes.It can withstand the welding agent,melting agent and so on in the process of printing circuit board.The current thickness is mainly 25u and 50u.

◆Mara tape



Specifications

Base material: polyester film
Glue: acrylic
Color: yellow,red,green,black, white,transparent,etc.
Length: 33M/50M/66M
Elongation:100%
Temperature resistance:130 °C

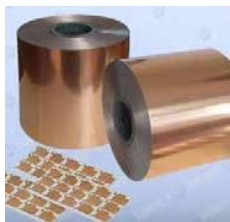
Features

Mara tape,also known as polyester tape,with the polyester film as the basic material,using acrylic fire retardant glue as adhesives,the product from the high shape,excellent resistance to chemicals,anti-melting and moisture resistance,and can withstand cutting and worm.

Applications

Widely used in transformers,motors,capacitors and other electrical appliances,electronic components of the insulation bandage and switching power supply between the motherboard circuit and the high voltage isolation between the shell.Also used for soft bag of lithium battery dressing,such as bandaged between the protection board and the batteries,play a fixed and insulated fire role.

◆Copper foil tape



Specifications

Base material: CU 99.98%
Glue: conductive adhesive (heat sensitive acrylic adhesive)
Base material thickness: 0.018 mm - 0.05 mm
Adhesive thickness: 0.035mm - 0.04 mm
Adhesion: 1.5-1.3 kg / 25mm
Temperature resistance: -10 °C --- 120 °C
Tensile strength: 4.5 - 4.8kg / mm
Elongation: 7% to 10% MIN

Features

A metal tape,mainly used in electromagnetic shielding,divide into two kinds,signal shielding and magnetic shielding conductivity copper itself and magnetic shielding requires the adhesive surface of the conductive copper foil tape material "nickel" to achieve the effect of magnetic shielding.Good electrical conductivity,high shielding efficiency,no rough edges,easy to process,non - plated products,in line with environmental trends.

Application

suitable for electromagnetic shielding of various kinds of electronic products such as transformers,mobile phones,computers,PDA,PDP,LCD monitor,laptop computer,photocopier,etc.

◆Aluminum foil tape



Specifications

Base material: aluminum foil
Color: silver
Glue: high-quality pressure-sensitive adhesive
Thickness: 0.05mm-0.08mm
Width and length: customizable

Features

Waterproof,high temperature,shielding,conductive,anti-interference.

Application

suitable for electromagnetic shielding of various kinds of electronic products such as transformers,mobile phones,computers,PDA,PDP,LED display,laptop computer,photocopier and so on.

◆The American paper tape



Specifications

Base material: American grain paper
Color: beige,red,white
Glue: pressure sensitive adhesive
Thickness: 8mm/10mm/20mm
Temperature resistance: 80 °C

Application

high and low temperature spraying,baking paint,metal bandage,decoration,electronic components,electronic products.

Features

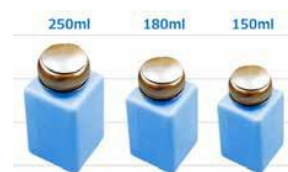
The American paper tape is a US-profile paper and pressure-sensitive adhesive as the main raw material,coated with pressure-sensitive adhesive,the other side coated with anti-sticking material made of roll-like adhesive tape.It has the characteristics of high temperature resistance,high resistance to chemical solvents,high adhesion,soft clothing,and no residual adhesion.

Alcohol Bottle

The antistatic alcohol bottle, 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: 150ml, 180ml, 250ml

Applications

Suitable for assembly line production and repair work.

Features

The lid ensures that the reagent will not be contaminated when it is not used. The stainless steel head design guarantees the use of a strong reagent. Precision machined valves can prevent solvent evaporation and leakage.The bundle part is sealed with a sticky insert to ensure the pure of the reagent.

The type of the bottle cap ▶



◆Anti-static glass alcohol bottle



Specifications

Material: glass
Color: transparent
Capacity: 150ml, 200ml

Features

- 1.Use of anti-corrosive liquid pump and anti-acid anti-corrosion anti-corrosive glass material, with super anti-corrosive.
- 2.Good light transmission, it is easy to see the situation of the liquid inside.
3. Easy to take, save time and improve work efficiency.
- 4.The closed valve can prevent the liquid from being sucked back into the bottle, and can prevent the liquid from evaporating and pollute the working environment.



◆Rosin bottle with a brush



Specifications

Material: plastic
Capacity: 50 ml
Brush height: 2cm
Size: 13cm*3cm
Color: transparent

Features

Brush bottles can control the liquid with the best angle; Can effectively control flux volatilization, spill, etc.; Can be filled with cleaning agents, clean the PCB; The bottle is soft, so can control the flow easily. Anti-acid, anti-alkali corrosion, with brush design, easy to use.

Applications

Component holding flux/rosin water/alcohol solvent, with brush head design, can directly coat the solvent on product surface, can be used to apply paint, clean, and is a very useful tool in welding and cleaning operations.

◆Sharp mouth washing bottle



Specifications

Material: plastic
Capacity: 250ml / 500ml / 1000ml
Color: transparent

Features

Plastic washing bottles are made of imported materials PE (polypropylene), non-toxic, corrosion-resistant, resistance to acid and alkali, the bottle is smooth, without impurities, no bubble, thickness is uniform and elastic, good sealing, filling liquid does not leak.

Applications

For the quantitative transfer of the solution, the washing and transfer of the precipitate.

Anti-static Brush

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
Colour: Black
Brush head width: 12mm
Handle length: 170mm
Bristle length: 16mm
Tufts: 3 rows and 20 bundles
Head glue part length: 40mm
Ω resistance: $10^6-10^9\Omega$

Medium

Handle Material: Carbon, Fiber Synthetic Plastic
Brush material: conductive PA material
Colour: Black
Brush head width: 12.5mm
Handle length: 180mm
Bristle length: 16mm
Tufts: 3 rows and 20 bundles
Head glue part length: 40mm
Ω resistance: $10^6-10^9\Omega$

Large

Handle Material: Carbon, Fiber Synthetic Plastic
Brush material: conductive PA material
Colour: Black
Brush head width: 13.2mm
Handle length: 172mm
Bristle length: 16mm
Tufts: 2 rows and 20 bundles
Head glue part length: 67mm
Ω resistance: $10^6-10^9\Omega$

Extra Large

Handle Material: Carbon, Fiber Synthetic Plastic
Brush material: conductive PA material
Colour: Black
Brush head width: 21mm
Handle length: 225mm
Bristle length: 22mm
Tufts: 3 rows and 34 bundles
Head glue part length: 98mm
Ω resistance: $10^6-10^9\Omega$

◆Anti-static U-type brush



Small

Handle Material: Carbon, Fiber Synthetic Plastic
Brush material: conductive PA material
Colour: Black
Brush head width: 40mm
Handle length: 80mm
Hair length: 21mm
Tufts: 5 rows and 50 bundles
Ω resistance: $10^6-10^9\Omega$

Medium

Handle Material: Carbon, Fiber Synthetic Plastic
Brush material: conductive PA material
Colour: Black
Brush head width: 55mm
Handle length: 80mm
Hair length: 21mm
Tufts: 7 rows and 98 bundles
Ω resistance: $10^6-10^9\Omega$

Large

Handle Material: Carbon, Fiber Synthetic Plastic
Brush material: conductive PA material
Colour: Black
Brush head width: 170mm
Handle length: 80mm
Hair length: 21mm
Tufts: 8 rows and 160 bundles
Ω resistance: $10^6-10^9\Omega$

◆The handle is grooved and the grip feels more comfortable.

◆Anti-static straight handle brush



Small

Material: carbon, fiber synthetic plastic
Colour: Black
Brush head width: 36mm
Handle length: 115mm
Hair length: 25mm
Tufts: 7 bundles
Total length: 140mm
Ω resistance: 10⁶-10⁹Ω

Medium

Material: carbon, fiber synthetic plastic
Colour: Black
Brush head width: 45mm
Handle length: 120mm
Hair length: 25mm
Tufts: 9 bundles
Total length: 140mm
Ω resistance: 10⁶-10⁹Ω

Large

Material: carbon, fiber synthetic plastic
Colour: Black
Brush head width: 60mm
Handle length: 145mm
Hair length: 25mm
Tufts: 12 bundles
Total length: 170mm
Ω resistance: 10⁶-10⁹Ω

◆ Anti-static round handle brush



Small

Material: carbon, fiber synthetic plastic
Colour: Black
Handle diameter: 12mm
Hair length: 18mm
Tufts: 1 bundles
Total length: 142mm
Ω resistance: 10⁶-10⁹Ω

Medium

Material: carbon, fiber synthetic plastic
Colour: Black
Handle diameter: 12mm
Hair length: 18mm
Tufts: 7 bundles
Total length: 123mm
Ω resistance: 10⁶-10⁹Ω

Large

Material: carbon, fiber synthetic plastic
Colour: Black
Handle diameter: 16mm
Hair length: 18mm
Tufts: 11 bundles
Total length: 150mm
Ω resistance: 10⁶-10⁹Ω

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◆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: 33mm
Tufts: 17 bundles
Total length: 250mm
Ω resistance: 10⁶-10⁹Ω

Large

Material: carbon, fiber synthetic plastic
Brush material: conductive PA material
Colour: Black
Handle length: 175mm
Brush head width: 10mm
Hair length: 48mm
Tufts: 33 bundles
Total length: 390mm
Ω resistance: 10⁶-10⁹Ω

◆Anti-static copper brush



Handle Material: Conductive Plastic
Brush material: High temperature resistant copper material
Color: White/Black
Total Length: 17cm
Hair Length: 3.5cm

*Features

The anti-static copper brush handle is made of special conductive plastic material with special copper wool which can withstand high temperature and not produce dust.

*Use

Suitable for cleaning machines, molds and so on.

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

◆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	116mm	HRC40
ESD-16	302	125mm	HRC40
ESD-17	302	115mm	HRC40

◆Anti-static stainless steel tweezers that with changeable point



Model	Material	Specification	Point material
ESD-259	302	130mm	PPS 1×10 ⁹ Ω
ESD-259A	302	130mm	PPS 1×10 ⁹ Ω
ESD-250	302	116mm	PPS 1×10 ⁹ Ω
ESD-249	302	127mm	PPS 1×10 ⁹ Ω
ESD-242	302	125mm	PPS 1×10 ⁹ Ω
ESD-7A	302	130mm	PPS 1×10 ⁹ 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 cloth, 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	116mm	PPS+Carbon fiber synthetic plastic
705	116mm	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	118mm	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.

Anti-static Anti-fatigue Mat

Anti-fatigue pad combines various functions: anti-fatigue, high elasticity, shockproof, help blood circulation, etc. It is very durable for industrial and poor environment; Antifatigue pad can effectively prevent collision and fatal damage, its bottom and surface shape is designed for workers to stand for long time, to minimize fatigue and pain caused by prolonged standing.

Application Environment

Suitable for long time standing operators in the industrial environments such as factory machinery operating area and assembly workshop and other long-term first-line workshop, warehouse inspection offices, cash register, checkout, help desk of the supermarkets and so on.

◆ Steel pattern anti-fatigue pad

Features

- 1.Strong anti-impact and resilience,high performance of anti-fatigue cushion elastic rubber material,providing excellent anti-fatigue resistance and anti-slip safety protection.
- 2.Accord with scientific design of human body power,can effectively prevent the workers feel fatigue and pain due to stand for long time,promote the blood circulation,reduce fatigue,greatly increase the comfort of foot and back of human body,effectively improve the work efficiency.
3. Unique four-sided slope design,preventing the circumference of the pad and avoid tripping.
- 4.High-quality rubber material,the back of the pad is completely attached to the ground and non-slip,not easy to move.
5. Can be repeatedly washed with water,easy to maintain and clean,cost-effective.

Specifications

Material: two layers: the upper layer is antistatic PVC/conductive rubber,and the lower layer is foamed with carbamate resin.

Three layers: The upper layer is anti-static PVC/conductive rubber, the middle layer is EPDM (or carbamate resin) foam and the bottom layer is conductive rubber. Each layers are firmly adhered to by environmentally friendly strong adhesion.

Surface treatment: surface steel pattern

Common specifications: 910 * 610 * 1720mm,710 * 610 * 1720mm,610 * 610 * 1720mm,510 * 610 * 1720mm

Color:black,green,yellow side of black,yellow side of grey (yellow as a warning)

Performance: the static dissipative surface resistance is 10⁶ - 10⁹Ω,conductive (electrostatic) layer surface resistance is 10³-10³Ω,permanently prevent static electricity;

Temperature range: 0 ° C to + 60 ° C

Customization: dimensions can be customized according to requirements

Can add anti-static mark and anti-static grounding button according to customer's requirements.



◆ Spherical anti-fatigue pad

Features

Anti-fatigue: unique arc-shaped bump design to help massage the soles of the feet.

Oil and wear resistance: the use of rubber pressed from high temperature, not easy to be dissolved and corrosion with long-term use in the wet / oil environment, long service life.

Safe and non-slip: The use of high-quality rubber material in the bottom, can firmly attached to the ground, effectively prevent the occurrence of slipping events.

Feet comfortable: Soft and hard moderate arc design, just right to help massage the soles of the feet, there will be no tingling sensation.

Specification

Material: 100% rubber

Surface: spherical

Specifications: 0.6x0.9m, 0.9x1.2m,0.9x1.5m

Thickness: 12.5mm

Color: black

Features: no volatile anti-static agent, permanent anti-static warranty.



Anti-static Circulation Box

Anti-static circulation box, can effectively release the static charge accumulated on the surface of the object, so that it will not produce charge accumulation and high potential difference. With the advantages of tough, abrasion-resistance, moisture-proof, anti-corrosion, heat-insulation, shock-proof, electrostatic, a large number of it used in circulation loading, packaging,storage and shipping during the process of producing electronic devices and production.

It widely used in machinery, automobile, household appliances, light industry and other industries. Base on the standardization,unitization and specialization of logistics containers, it plays a decisive role in the logistics industry.

Specifications

Materials: PE/PP/HDPE		
Colors: black(anti-static)/blue		
Regular Dimensions	External Dimensions(mm)	Internal Dimensions(mm)
Anti-static Circulation Box	360X270X135	320X240X125
Anti-static Circulation Box	420X310X155	380X280X145
Anti-static Circulation Box	500X360X175	440X320X165
Anti-static Circulation Box	530X370X205	490X330X200
Anti-static Circulation Box	510X345X185	464X300X175
Anti-static Circulation Box	480X355X220	430X305X210
Anti-static Circulation Box	476X352X320	430X305X315
Anti-static Circulation Box	565X420X240	510X390X235
Anti-static Circulation Box	565X420X300	510X390X290
Anti-static Circulation Box	565X420X380	510X390X375
Anti-static Circulation Box	620X425X320	580X395X310
Anti-static Circulation Box	610X415X245	580X380X240
Anti-static Circulation Box	560X430X145	515X382X140
Anti-static Circulation Box	585X405X175	538X360X170
Anti-static Circulation Box	600X500X360	560X460X355
Anti-static Circulation Box	610X500X400	560X455X395
Anti-static Circulation Box	720X560X380	675X515X370
Anti-static Circulation Box	380X240X105	340X220X90
Anti-static Circulation Box	600X500X150	560X455X140
Anti-static Circulation Box	600X500X300	560X455X290
Anti-static Circulation Box	660X400X160	620X360X150
Anti-static Circulation Box	720X450X180	680X420X170
Anti-static Circulation Box	600X500X160	560X460X155
Anti-static Circulation Box	580X368X200	535X345X195
Anti-static Circulation Box	580X368X165	535X345X155
Anti-static Circulation Box	620X430X200	580X395X195
Anti-static Circulation Box	620X430X250	580X395X245
Anti-static Circulation Box	615X425X155	580X385X145
Anti-static Circulation Box	615X430X120	555X373X118

Characheristics

Non-toxic, odourless, moisture-proof, corrosion-resistant, light-weight, durable, stackable.



Corrugated Sheet

The hollow board is a kind of plastic material which is light, waterproof, shockproof, moisture-proof, dustproof, tough and resistant to heavy, rich in colors, economic, non-toxic, pollution-free and environmental friendly.



◆ Features

1. Good mechanical properties, light and saving materials.
2. Anti-static, conductive, fire-retardant, heat insulation, sound insulation, chemical stability.
3. The surface is smooth and beautiful, the color is complete, environmental protection.

◆ Specifications

Material: PP, Color Masterbatch, conductive toner and so on
Thickness: conventional thickness of 3-5mm and 2-12mm can be customized.

Width: ≤2300mm

Length: unlimited

Colors: blue, black, white, yellow, green, red, etc. Color can be customized.

Performance: ordinary hollow board, anti-static hollow board, conductive hollow board.

Packing: stretch film

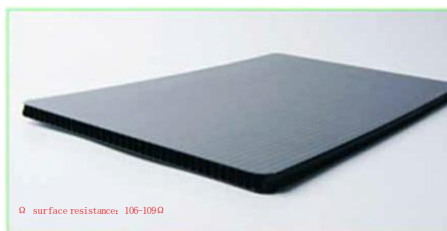
Uses: workshop turnover storage products, warehousing, shipping and transportation.

◆ Applications

electronic components, plastic, metal, machinery, photoelectric, liquid crystal display, household appliances, mobile phone digital, precision instruments, medical equipment, luggage, stroller toys, glass jars, style advertising, home decoration, agricultural packaging.

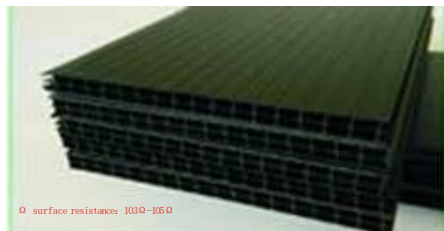


◆ Anti-static hollow board



□ surface resistance: 10⁶-10⁹Ω

◆ Conductive hollow board








□ surface resistance: 10³Ω-10⁵Ω

Anti-static Components Box

Anti-static components box, also known as work bin, widely used in machinery, automotive, household appliances, light industry, electronics and other industries. With the characteristics of acid and alkali resistance, oil resistance, non-toxic and odourlessness, it can be used to hold food for it easy to clean. The parts turnover conveniently and pile up neatly, which easy to manage. Its reasonable design and excellent quality made it suitable for factory production in the transport, delivery, storage, distribution and processing sectors.



◆ Anti-static Bevel Component Box

No.1 Bevel Type	No.2 Bevel Type	No.3 Bevel Type	No.4 Bevel Type	No.5 Bevel Type
Material:PP	Material:PP	Material:PP	Material:PP	Material:PP
External Dimension s: 95*105*50 mm	External Dimension s: 165*95*70 mm	External Dimensions: 175*105*80 mm	External imensions: 195*130*90mm Dimensions:195*130*90mm	External imensions:235*155*120mm
Internal Dimensions: 80*90*45mm	Internal Dimensions: 145*85*65mm	Internal Dimensions: 155*90*75mm	Internal Dimensions: 175*110*85mm	Internal imensions:210*135*115mm
				

◆ Anti-static Flat Component Box

No.1 Flat Type	No.2 Flat Type	No.3 Flat Type	No.4 Flat Type	No.5 Flat Type
Material:PP	Material:PP	Material:PP	Material:PP	Material:PP
External imensions: 155*100*5 5mm	External imensions: 205*135*6 5mm	External imensions: 260*175*7 5mm	External imensions: 300*205*9 0mm	External imensions: 380*240*10 5mm
Internal Dimensions: 135*85*50mm	Internal imensions: 180*120*60mm	Internal imensions: 220*160*70mm	Internal imensions: 270*185*80mm	Internal imensions: 340*220*95mm
Colors: black/blue/red	Colors: black/blue/red	Colors: black/blue/red	Colors: black/blue/red	Colors: black/blue/red
				

◆ Anti-static Components Box with Cover



Specifications

Material: PP
External Dimensions: 202*123*50mm
Internal Dimensions: 193*114*41mm
Color: Black

◆ Anti-static Clamshell Components Box



Specifications

Material: PP
External Dimensions: 56*32*21mm
Internal Dimensions: 40*26*16mm
Color: Black

◆ Anti-static Drawer Components Box



Specifications

Material: PP
External Dimensions: 138*92*48mm
Internal Dimensions: 128*88*40mm

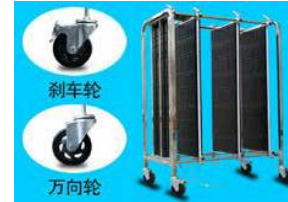
Features

- Flexible. It can be increased or replaced in whatever side according to the need and be combined into different shapes .
- Cost saving. It don't need to take shelves when store in the warehouse.
- Space saving. It can be overlapped and take thing conveniently.

Antistatic Tote Cart

Antistatic tote cart is widely used in SMT processing 材 machinery 材 automotive, home appliances, light industry, electronics, etc. With an acid-and-alkali-resistant, oil-resistant, non-toxic and odourless property, this kind of cart is easy to clean when it is used in PCB storage. The PCB plates can be carried conveniently, stacked neatly and managed easily. Reasonable design and excellent quality make the antistatic tote cart perfect for SMT factory logistics in the transport, distribution, storage, circulation processing and other sectors.

◆ Antistatic Tote Cart/Vertical



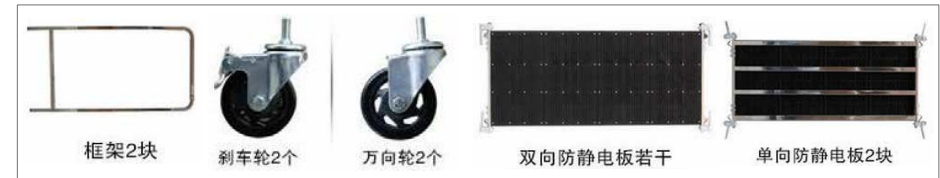
Specifications

Material: 201#stainless steel tube and ABS slot plate.
Wheel: 4*Anti-Static swivel casters (2 with brakes, 2 regular)
Storage: 3 Rows, 100pcs/Row
Surface resistance: 10⁴-10⁶Ω
Slot depth: 5mm
Slot width: 5mm
Slot length: 350mm
Layer gap: 10mm
Contour size: 900*550*1260mm
Total weight capacity: 300kgs
Antistatic measures: Conductive casters and conductive chains

Features

- 1.Large storage capacity offers enough space for 100-500pcs PCB plates to store.
- 2.The 4 antistatic swivel casters, including 2 swivel casters with brakes and 2 regular swivel casters, provide smooth movement and maneuverability.
- 3.Each antistatic plate is equipped with 4 press buckles which can make the plate stronger and more durable.

Accessory



*Note: The number of bidirectional antistatic plates can be configured according to customer requirements.

◆ Antistatic Tote Cart/Horizontal



Specifications

Material: 201#stainless steel tube and stainless steel plate
Storage: 3Rows(Double-side plate addition is allowed), 100pcs/row
Surface resistance: 10⁴-10⁶Ω
Slot depth: 3mm
Slot width: 4.5mm
Slot length: 350mm
Layer gap: 17mm
Thickness of steel plate: 0.7mm
Contour size : 850*550*1300mm
Bearing of each layer : 1kg
Total weight capacity: 100kgs
Antistatic measures: Conductive caster and conductive chain
Temperature bearing: 60°C

Features

- 1.Made of stainless steel plate, the cart is stronger and more durable.
- 2.The 4 antistatic swivel casters, including 2 swivel casters with brakes and 2 regular swivel casters, provide smooth movement and maneuverability.
- 3.This cart has a large storage capacity, and its plates can be increased or decreased according to the actual need.

◆Antistatic Tote Cart with Hanging Basket

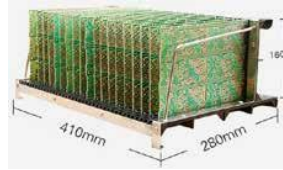


Specifications

Material of tote frame: Stainless steel
Material of hanging basket: Stainless steel with Antistatic PS
Wheel: 4*Anti-Static swivel casters (2 with brakes, 2 regular)
Storage of hanging basket: 8/12/16/20/24pcs
Storage of PCB: 38pcs/basket
Surface resistance: 104-106Ω
Contour size of basket: 410mm*280mm*160mm
Specifications of basket:
Slot depth: 5mm
Slot width: 3mm
Slot gap: 6mm
Contour size: 950mm*540mm*1400mm
Temperature bearing: 60°C
Antistatic measures: Conductive caster and conductive chain.

Features

1. The hanging basket helps save space.
2. The 4 antistatic swivel casters, including 2 swivel casters with brakes and 2 regular swivel casters, provide smooth movement and maneuverability.
3. Each basket can be removed conveniently and used separately.



◆Antistatic Stainless Steel Tote Cart



Specifications

Material: 201#stainless steel tube and PP conductive plate
Wheel: 4*Anti-Static swivel casters (2 with brakes, 2 regular)
Storage: 3Rows(Double-side plate addition is allowed), 100pcs/row
Surface resistance: 104-109Ω
Guide slot: Horizontal
Slot depth: 3mm
Slot width: 4.5mm
Slot length: 280mm
Layer gap: 17mm
Contour size: 900mm*450mm*1260mm/900mm*550mm*1260mm/1000mm*600mm*1260mm/1000mm*800mm*1260mm
Total weight capacity: 300kgs
Temperature bearing: 200°C
Antistatic measures: Conductive caster and conductive chain.

Features

1. Convenient adjustment.
2. Stable storage.
3. Strong and durable property.
4. Wide usage.

Magazine Rack

SMT magazine rack is widely used in automatic loading and unloading board machine, with the characteristics of acid and alkali resistance, oil resistance, high temperature, non-toxic and odourlessness, it can be used for placing PCB board for easy cleaning, convenient turning over, neat stacking, and easy to manage.

Specifications

Top and bottom boards material: plastic/ metal

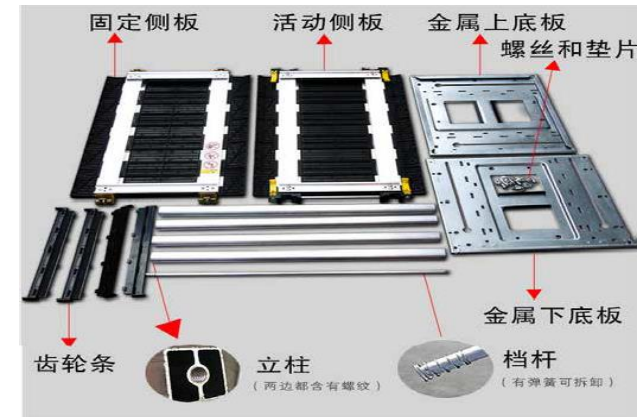
Adjustment method: screw fixed manual adjustment, chain track adjustment, gear track adjustment, screw track adjustment.

Frid Material: PP/PS/ABS/PPE(PPO)/BMC/Aluminum Alloy

Categories(by Dimensions)

External Dimensions : 355*315*580mm	External Dimension : 355*320*563mm	External Dimension : 400*320*563mm	External Dimension : 400*380*563mm
Max. qty to store PCB:50pcs	Max. qty to store PCB:50pcs	Max. qty to store PCB:50pcs	Max. qty to store PCB:50pcs
Suitable PCB Size:350mmX(80-250)mm	Suitable PCB Size:350mmX(50-250)mm	Suitable PCB Size:400mmX(50-250)mm	Suitable PCB Size:400mmX(50-310)mm
Side guide slot:depth 3.5mm, width 8mm, pitch 10mm	Side guide slot:depth 3.5mm, width 5mm, pitch 10mm	Side guide slot:depth 3.0mm, width 5mm, pitch 10mm	Side guide slot:depth 3.0mm, width 5mm, pitch 10mm
External Dimensions : 460*400*563mm	External Dimensions : 535*460*570mm	External Dimensions : 535*530*570mm	External Dimensions : 630*530*570mm
Max. qty to store PCB:50pcs	Max. qty to store PCB:50pcs	Max. qty to store PCB:50pcs	Max. qty to store PCB:50pcs
Suitable PCB Size:460mm*(100-330)mm	Suitable PCB Size:535mm*(50-390)mm	Suitable PCB Size:535mm*(50-460)mm	Suitable PCB Size:630mm*(50-460)mm
Side guide slot:depth 3.5mm, width 8mm, pitch 10mm	Side guide slot:depth 3.5mm, width 5mm, pitch 10mm	Side guide slot:depth 3.5mm, width 5mm, pitch 10mm	Side guide slot:depth 3.5mm, width 6.5mm, pitch 10mm

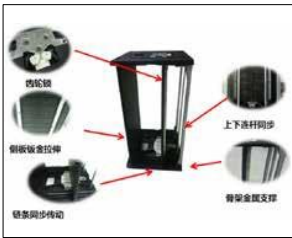
SMT rack accessories





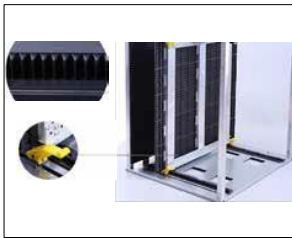
Magazine Rack (screws adjustment)

External Dimensions: 355*315*580mm
Max. qty to store PCB: 50pcs
Suitable PCB Size: 350mm×(50-250)mm
Side guide slot: depth 3.5mm
width 5mm
pitch 10mm
Surface resistance: 10⁶-10⁹Ω
Top and bottom boards material:
plastic
Adjustable: screws
Category: ordinary type, high-temperature-resistant type



Magazine Rack(chain type)

External Dimensions: 352*320*560mm
Max. qty to store PCB: 50pcs
Suitable PCB Size: 350mm×(50-250)mm
Side guide slot: depth 3mm
width 4.6mm
pitch 10mm
Side plate thickness: 10mm
Adjustable distance between the two sides: 40-240mm
Surface resistance: 10⁶-10⁹Ω
Material heat-resistant temperature: 130°C
Top and bottom boards material: plastic
Adjustment method: The chain driving, the upper and lower connecting rod synchronous, so that the movable slot up and down moves synchronously; and when it arrives at the certain place locks the upper and lower internal plate gear to fixed the movable slot.



Magazine Rack(gear tracker)

External Dimensions: 355*320*563mm
Max. qty to store PCB: 50pcs
Suitable PCB Size: 350mm×(50-250)mm
Side guide slot: depth 3.0mm
width 5.5mm
pitch 10mm
Side plate thickness: 10mm
Adjustable distance between the two sides: 40-240mm
Surface resistance: 10⁶-10⁹Ω
Top and bottom boards material: metal
Adjustment method: gear track adjustment

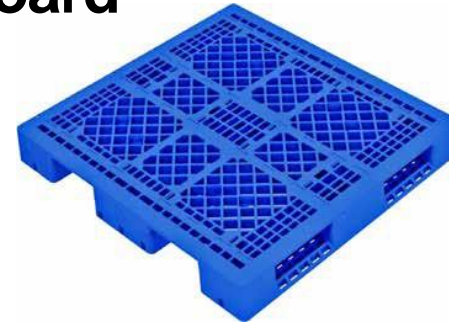
Magazine Rack(All aluminum)



External Dimensions : 355*320*563mm
Max. qty to store PCB: 50pcs
Suitable PCB Size : 350mm×(50-250)mm
Side guide slot : depth : 3.5mm
width : 8mm
pitch : 10mm
Side plate thickness : 10mm
Adjustable distance between the two sides : 40-240mm
Surface resistance : 10⁶-10⁹Ω
Top and bottom boards material : Metal
up and down the floor, all aluminum alloy side panels

Anti-static Card Board

The anti-static card board uses a low-pressure high-density polyethylene (HDPE) to form, and the surface of the material has a resistance under 10⁶ or between 10⁶ to 10¹¹ Ω. It is mainly used for the elimination of static electricity, which is used for the turnover loading, storage and transportation of the stored procedures in the production of electronic devices and products.



◆ Anti-static single-sided card board



Specifications

Material: HDPE
Type: four sides inserted
Dynamic load: 1t
Static load: 3t
Size: 1200*1000*140mm
Color: black,blue

Features

Card board can be inserted into the four sides, flexible and convenient operation; Both suitable for stacking in the warehouse, and various types of shelves; Suitable for all types of truck transport, to facilitate the assembly of materials, modular transport; Long service life, and can be re-use.

◆Grid of nine feet



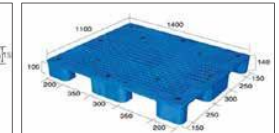
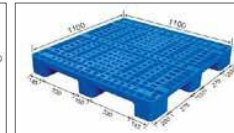
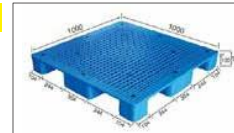
Specifications

Material: HDPE
Type: four sides inserted
Dynamic load: 1t
Static load: 4t
Size: 1200*1000*145mm
Color: black, blue

Features

Card board can be inserted into the four sides, flexible and convenient operation; Both suitable for stacking in the warehouse, and various types of shelves; Suitable for all types of truck transport, to facilitate the assembly of materials, modular transport; Long service life, and can be re-use.

Other appearance ▶



◆Grid shape one side



Specifications

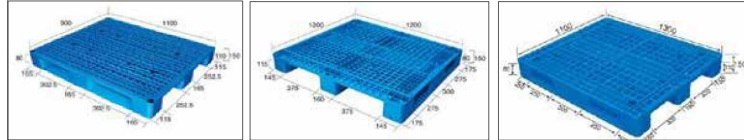
Material: HDPE
Type: four sides inserted
Dynamic load: 1.5t
Static load: 6t
Size: 1200*1000*150mm
Color: black, blue
Insert hole size: 125mm

Features

Card board can be inserted into the four sides, flexible and convenient operation; Both suitable for stacking in the warehouse, and various types of shelves; Suitable for all types of truck transport, to facilitate the assembly of materials, modular transport; Long service life, and can be re-use.

Regular size: 1200*1000*160/1200*800*160/1100*1100*160/1300*1100*160/1400*1100*160/1200*1200*160/1250*1000*160

Other appearance ▶



◆ Grid shape double sides



Specifications

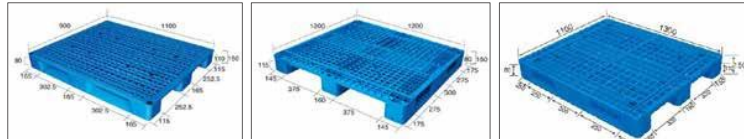
Material: HDPE
Type: four sides inserted
Dynamic load: 0.8t
Static load: 2t
Size: 1200*1000*150mm
Color: black, blue
Insert hole size: 125mm

Features

Card board can be inserted into the four sides, flexible and convenient operation; Both suitable for stacking in the warehouse, and various types of shelves; Suitable for all types of truck transport, to facilitate the assembly of materials, modular transport.

Regular size: 1300*1100*150/1200*1200*150/1200*1000*150/1100*1100*150/1200*800*150

Other appearance ▶



◆Anti-static double-sided card board(Grid shape double sides)



Specifications

Material: HDPE
Type: four sides inserted
Dynamic load: 2 t
Static load: 6 t
Size: 1200*1000*150mm
Color: black, blue
Insert hole size: 125mm

Features

Card board can be inserted into the four sides, flexible and convenient operation; Both suitable for stacking in the warehouse, and various types of shelves; Suitable for all types of truck transport, to facilitate the assembly of materials, modular transport; Long service life, and can be re-use.

Regular size: 1400*1200*150/1200*1200*150/1200*1000*150

Anti-static Label

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 Label (hand-shaped triangle)



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 Label (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

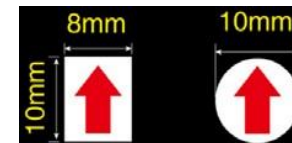
◆High temperature label



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*8mm
circle: 10mm in diameter
Long-term temperature tolerance: 60 °C

Shielding 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 foil bag

Aluminum foil bag also called pure aluminum bag. The aluminum foil bag packaging usually refers to the aluminum-plastic 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 characteristic using three/four layer composite structure, has a good waterproof, oxygen insulation function. It can be made of different specifications of packing bags, such as flat pocket, stereo bag, organ bag and other styles.



Specifications

□ surface resistance: $10^6-10^{11} \Omega$
 Electrostatic shielding residual voltage: $\leq 30V$
 Electromagnetic interference attenuation (EMI): $\geq 25db$
 Three layers: PET/AL/CPE
 Four layers: PET/AL/NY/CPE
 Single layer thickness: conventional thickness 0.1-0.14mm, can be customized
 Edge: 5-10mm
 Sealing edge: fold 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, light-blocking, high temperature sealing, high temperature resistance, 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 packagings of PC board, IC integrated circuit, electronic components, various LED industry SMT patches, lamp strip packaging, precision hardware, auto parts, and so on.

◆ Aluminum-plated bags

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



Specifications

□ surface resistance: $10^6-10^{11} \Omega$
 Electrostatic shielding residual voltage: $\leq 30V$
 Electromagnetic interference attenuation (EMI): $\geq 25db$
 Structure: APET/ CPP, APET/ CPE
 Single layer thickness: conventional thickness 0.1-0.14mm, can be customized
 Edge: 5-10mm
 Sealing edge: fold 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

structures: APET / CPP (semi-aluminum film/polypropylene cast 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 built-in is visible.

Used as anti-static shielding packaging for all kinds of PG board, LED components (light article, patch, light bead, ree l, 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 (vesicle)
 Bubble height: 3mm
 □ Surface resistance: usually between 9 and 11Ω
 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: usually between 9 and 11Ω
 Color: red



Big bubble (Φ10mm)

Raw materials: processed with low density polyethylene
 Bubble specifications: single-sided, double-sided
 Bubble diameter: Φ28mm (big bubble, heavy bubble)
 Bubble height: 10mm
 □ Surface resistance: usually between 9 and 11Ω
 Color: pink

○ 原理解析

单双面解析

单面泡膜为一面膜上面气泡阵列形成。
 双面泡膜为两面膜把气泡包裹起来。

下面为一组平面图。

双面

单面

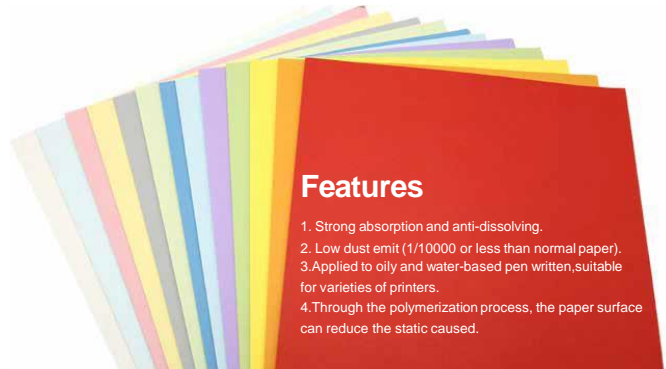
双面气泡图示

面膜 气泡
 上下是膜中间一层泡泡
 (双面气泡膜结构细节)

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 80gsm, 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 stapled 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

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 clean environment, it can remove the dust easily. Sticky mat can effectively prevent pollutant And particle due to personnel'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.

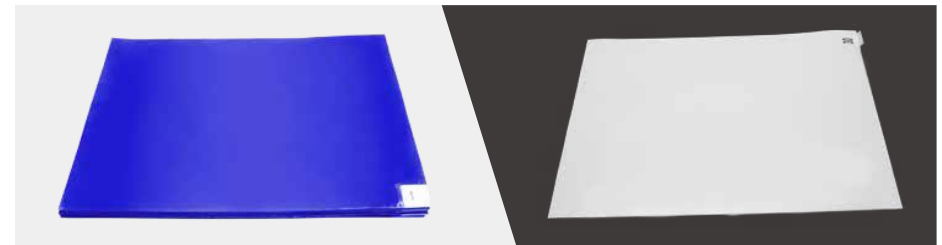
◆Specification

Film Material	Low density polyethylene
Adhesive Material	Water-based acrylic
Film Thickness	3.5C, 4.0C, 4.5C
Layers/sheet	30layers/sheet or 50layers/shhet
Tackiness	Low/Moderate/High
Size	18"x36", 24"x36", 24"x36", 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 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: 4C/4.5C/5.0C
Width: 4"6"8"10"12"
Length: 16m/18m/20m
Color: White/Blue
Package: 50/100/200 rolls/ carton
Collocation: 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 parting type is suitable for the one-way layout cleaning machine, and the reparting 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: 80Um
Width: 600-1300mm (customizable)
Length: 20m (customizable)
Diameter: 38mm/76.2mm/152.4mm (customizable)
Film color: white
Film material: polypropylene/polyethylene terephthalate
Adhesive: polyacrylate
Hardener: iso-oxalate (or fat)
Solvent: ethyl acetate
Packing: 4 pieces/box; PE pipe.

Application

The paper is suitable for the printed circuit board, the light parting type is suitable for the one-way layout cleaning machine, and the reparting 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.

◆ 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
Collocation: the use of the paper with sticky dust paper, with longer life and better dusting effect.

Application

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

◆ Sticky paper



Specifications

Size: 330mm*240mm*50 sheets/Ben
Classification: white background writing paper, yellow background writing paper, white base paper, PVC white base paper, PVC printed paper
Collocation: sticky dust paper is used in conjunction with silica gel dust roller, which can remove dust and particulates absorbed on the manual dedusting rubber roller, so as to maintain the cleaning effect in the working condition of the electrostatic dust roller.

Method of use: tear protection paper, sticky paper dust removal on the rubber roller can be transferred to the sticky paper dust impurities, the purpose of cleaning on the surface of the rubber roller. When the glue surface is serious, 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.

◆ Silica gel stick

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 ion content, does not contain allergens material, has excellent chemical corrosion resistant, anistatic treatment can safely dissipation charge and is not affected by climate change. Suitable for the manufacture and assembly of electrostatic sensitive products.

Application: mainly clean the micro-dust ion on the surface of the exposed coating of the COB process. Clear (10-5000 level clean room) LED/LCD 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
BHY-105B	Silicone low viscosity	Round	2.0mm	Blue	SUS	77mm	10 pcs / box
BHY-105C	Silicone low viscosity	Round	2.0mm	Transparency	SUS	77mm	10 pcs / box
BHY-108	Silicone low viscosity	Point	1.8mm	Blue	SUS	77mm	10 pcs / box
BHY-108B	Silicone low viscosity	Round	1.8mm	透明	ABS	76mm	100 pcs / box
BHY-001	Silicone medium	Round	1.8mm	Transparency	ABS	76mm	100 pcs / box
BHY-100	Silicone low viscosity	Round	1.8mm	Transparency	ABS	76mm	100 pcs / box
BHY-002	Silicone high viscosity	Round	1.8mm	Transparency	ABS	76mm	100 pcs / box
BHY-109	Silicone medium	Round	3.0mm	Transparency	PMMA	170mm	1 pcs / box

PVC Gloves

PVC/vinyl Gloves are mainly made by polyvinyl chloride, applies to cleanroom, semiconductor, hard disk manufacturing, precision optics, optical electron, LCD/DVD manufacturing, biological medicine, precise instrument, PCB printing industry, etc.



◆Feature

1. Curling up wrist, easy to wear.
2. Smooth and comfortable.
3. Soft and good finger tactility.
4. Acid and alkali-resistance, antipollution, anti-penetration and anti-bacterial.
5. Nonallergenic, powder free and low dust.



◆Product models

12" PVC/vinyl gloves				
Model	Size	Weight	Specifications	
VG 2 0 1	12"	S	6.7±0.3g	Soft and goodfinger tactility
		M	7.2±0.3g	
VG 2 0 5		L	7.7±0.3g	Economic and comfortable

9" PVC /vinyl gloves				
Model	Size	Weight	Specifications	
VG 9 0 1	9"	S	4.0±0.3g	Soft and goodfinger tactility
		M	4.5±0.3g	
VG 9 0 2		L	5.0±0.3g	Economic and comfortable



◆Product Packing Info

Vacuum packed, 100pcs/bag, 10bags/carton



Micro Denier Wiper Roll

Scroll cloth is a cloth used for cleaning the ends. The product adopts the highest level of ultrafine fiber knit fabric produced by weaving machine, the cloth surface is flat, the cloth heart is tight, he ultrasonic sealing edge is not dropping particles with excellent wiping and cleaning ability.

Application industry: semiconductor, LCM port terminal cleaning, LCD module cleaning, micro-motor cleaning belt, LED industry, optoelectronics industry.



◆Ultrafine fiber dustless cloth



Specifications

Material: ultrafine fiber dustless cloth
Weaving process: straight line, mesh
Weight: 100-180g/m²
Length: 25m-100m, can be customized
Width: 8mm-250mm, can be customized
Axial diameter: 25-76mm, can be customized
Edge: ultrasonic seal edge
Layer: single layer
Packing: double vacuum bag inside and outside, one roll/bag

Features

It adopts ultrafine fiber material with high absorption and high wear resistance. Ultrasonic sealing edge, sealing edge is smooth; High cleanliness, low residue, low ionic pollution, and good decontamination ability; The dimensions are flexible and can be customized.

◆Steel mesh wiping paper



Specifications

Material: steel mesh wiping paper
Weight: 56g/m², 60g/m², 65g/m², 68g/m² and so on.
Length: maximum 400m, customizable
Width: minimum 10mm, customizable
Axial diameter: 25-76mm, can be customized
Layer: single layer
Packing: double vacuum bag inside and outside, one roll/bag

Features

Natural wood pulp and polyester fiber are used as raw materials, with high efficiency water absorption and oil absorption, soft and not dusting. High cleanliness, low residue, low ionic pollution, and good decontamination ability; The dimensions are flexible and can be customized.

SMT Wiper Roll

SMT steel mesh wiping paper using natural wood pulp and polyester fiber as raw materials, and is processed by unique water spines, forming unique wood pulp/polyester double layer structure. Used for cleaning on the surface of the high standard, is the electronics industry circuit board SMT printing dedicated wiping paper, can effectively remove dust attached to the printer on the stencil, circuit board with excess solder paste, red glue, etc., to keep the electronic circuit board spotless, thus greatly reduce rejection rate, greatly improve production efficiency and product quality.



Specifications	
Material	55% wood pulp + 45% polyester
Color	White
Length	10-20m, customizable
Width	0.2-18m, customizable
Weight	68g /m2, 65g /m2, 60g /m2, 56g /m2, 50g/m2
Paper Type	Plain paper and grid paper
Lining Tube	Paper tube, Hose
Opening	"—"Opening mouth, cross opening mouth, no openings, 12 bars

Features

The appearance is smooth; Extremely low depilation rate, good air permeability; Even thickness, good water absorption; Double layer structure with strong tensile strength and flexibility; Can be used with various cleaning solutions.



一字开口

十字开口

无开口

12根筋槽

纸管

Applicable models and specifications

Can be used for MPM, DEK, KME, YAMAHA, MINAMI, JUKI, EKRA, PANASERT, FUJI, SANYO and all other full-automatic printing models.

Models	Specifications (tube diameter * tube length * paper width * paper length)	Tube features	Opening requirements
MPM	19.5*455*250*10	Hose with 12 bars	No
	19.5*455*300*10		
	19.5*455*330*10		
	19.5*455*330*10		
	19.5*455*350*10		
DEK	20*530*250*10	Hose	Both sides of the "—"opening mouth or one side of "—"Opening mouth
	20*530*300*10		
	20*530*400*10		
	20*530*490*10		
	20*530*500*10		
KME	38*480*480*20	Hose	No
YAMAHA	25.5*360*350*10	Hose	No
	25.5*420*400*10		
MINAMI	8*290*270*10	Hose	Both sides of the "—"opening mouth
	8*410*350*10		
JUKI	38*270*260*15	Hose	No
	38*353*345*15		
	38*408*400*8		
	38*535*520*12		
EKRA	13.5*400*300*10	Hose	Both sides of the "—"opening mouth
	13.5*400*400*10		
FUJI	26*500*500*15	Paper tube	No
Remark	Can be customized according to customer requirements.		

Finger Cot

Finger covers 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.



◆Curling finger cot



Domestic finger cot

Material: Natural latex
Color: white, yellow, pink
Size: S, M, L

Features: no sticky, easy to wear, easy to loose



Import finger cot

Material: Natural latex
Color: white, yellow, pink
Size: S, M, L

Features: no powder, good cleanliness



Nitrile finger cot

Material: natural nitrile
Color: blue, black
Size: S, M, L

Features: no latex, no powder, no chlorine, no silicon

Packaging

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

Applicable

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

◆Textured finger cot cut type



Specifications

Material: Natural latex
Length: 60 ± 2mm
Thickness: 0.12-0.14mm
Weight: 0.35g
Color: transparent
Size: S, M, L
Packing: 144pcs / gross, 10gross / bag

Features

- Ultra-thin, flexible operation.
 - Cut edge, comfortable and not tight.
 - The fingertips are frosted and anti-skid.
- For optical industry, clock, battery, electric appliance industry, electronic industry, precision component assembly, microelectronic liquid crystal display and semiconductor industry, etc.

◆Cut edge finger cot



Specifications

Material: Natural latex
Length: 60 ± 2mm
Thickness: 0.12-0.14mm
Color: transparent
Size: S, M, L
Packing: 144pcs / gross, 10gross / bag

Features

- Ultra-thin, flexible operation.
 - Cut edge, comfortable and not tight.
- For optical industry, clock, battery, electric appliance industry, electronic industry, precision component assembly, microelectronic liquid crystal display and semiconductor industry, etc.

◆Anti-slip finger cot



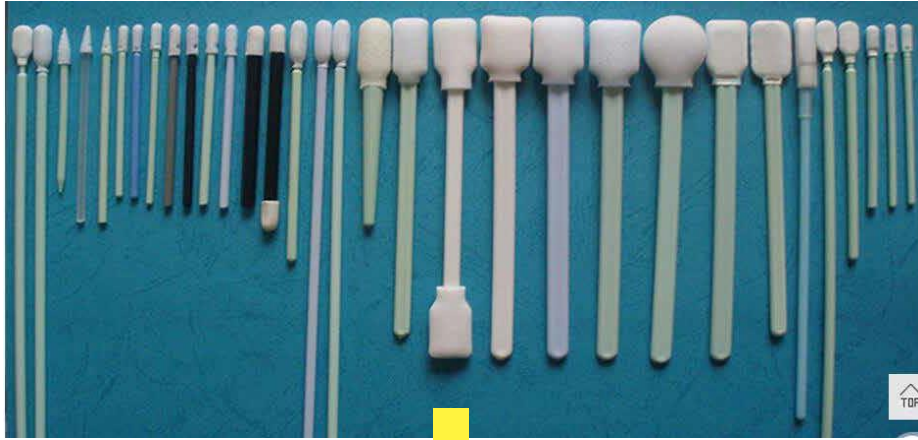
Specifications

Material: Natural latex
Length: 60 ± 2mm
Diameter: S: 25mm / M: 2.7mm / L: 2.9mm
Thickness: 1.5mm
Weight: 1g
Color: orange, beige
Size: S / M / L

Features

- Strong wear and tear resistance.
 - Glue particles, anti-slip effect is good.
- Applicable to semiconductor, microelectronics, LCD display, hardware, machinery, electronics, manual, printing, etc.

Cotton Swabs



Classification

According to the head materials: Absorbent cotton swabs, sponge head cotton swabs, cloth head cotton swabs and foam cotton swabs and soon.

According to head shape: pointed head, small round head, big round head, flat head, big square head, etc.

According to the number of heads:single head, double head.

According to the material of the rod: wooden rod, bamboo rod, ordinary plastic rod, irrigation plastic rod, paper rod, PP rod, etc.

According to the color of the rod: white transparent rod, black rod, green rod, blue rod, yellow rod.

According to the length of the rod: 3 inches, 5 inches, 6 inches, 7 inches, 9 inches etc.

According to the shape of the rod: hollow rod, solid rod, round rod, flat rod, curved pole, etc.

According to the function of the rod: anti-static and not anti-static.

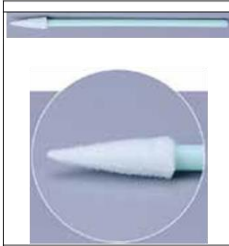
Clean cotton swabs usually have very strong liquid absorption,toughness good wear resistance and other characteristics,will not scratch the device wiped,will not lose particles.The particles and liquid into the cotton hole will not fall out or easily squeeze out,with good locking ability,is a good clean room production material,can eliminating pollutants and keep clean in the production process of special environment (such as:wiping cloth can not wipe the case)After wiping, chemical residue content is low.After wiping,chemical residue content is low. Flammable,easy to handle,environmentally friendly.

◆Sponge head clean cotton swab

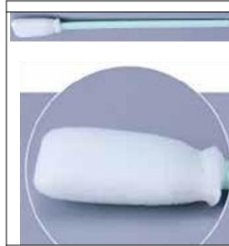
Perforated sponge head, excellent wear resistance, compatibility with most solvents,and good absorption and locking ability of solvent; Low particles and ion content.



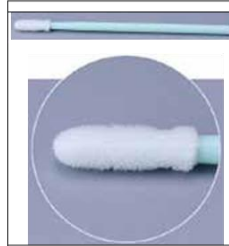
Head material: Perforated sponge
Head length: 13.5mm
Head width: 3.6mm
Rod material: polypropylene
Rod length: 53.5mm
Rod width: 2.4mm
Total length: 67mm
Packing: 5*100pcs/bag



Head material: Perforated sponge
Head length: 11.5mm
Head width: 3.2mm
Rod material: polypropylene
Rod length: 64.5mm
Rod width: 2.5mm
Total length: 76mm
Packing: 5*100pcs/bag



Head material: Perforated sponge
Head length: 24.5mm
Head width: 13mm
Rod material: polypropylene
Rod length: 100.5mm
Rod width: 5.8mm
Total length: 125mm
Packing: 50pcs/bag



Head material: Perforated sponge
Head length: 11mm
Head width: 3.2mm
Rod material: polypropylene
Rod length: 60mm
Rod width: 3mm
Total length: 71mm
Packing: 5*100 pcs/bag

◆Cloth head clean cotton swab



Head material: ultra-fine fiber dustless cloth
Head length: 24mm
Head width: 7.5mm
Rod material: polypropylene
Rod length: 89mm
Rod width: 4mm
Total length: 113mm
Packing: 100pcs/bag



Head material: ultra-fine fiber dustless cloth
Head length: 12*2mm
Head width: 3.5mm
Rod material: polypropylene
Rod length: 68mm
Rod width: 3mm
Total length: 92mm
Packing: 100pcs/bag



Head material: ultra-fine fiber dustless cloth
Head length: 25mm
Head width: 14.5mm
Rod material: polypropylene
Rod length: 102mm
Rod width: 5.8mm
Total length: 125mm
Packing: 100pcs/bag



Head material: ultra-fine fiber dustless cloth
Head length: 10mm
Head width: 3.2mm
Rod material: polypropylene
Rod length: 60mm
Rod width: 2.2mm
Total length: 70mm
Packing: 5*100pcs/bag

◆ Oblique cotton swabs

Swab head has a very soft, slightly porous features all the time, can remove the dirt and dust that invisible to the naked eye, cotton head and rod can be free to separate,polyester head with super absorption, can adsorb the dust from the concave and convex surface; It is not easy to fluff, air permeability, strong absorption ability, good heat resistance, extremely soft and corrosion resistance.



No.	Head material	Head shape	Head width	Head thickness	Head length	Rod material	Rod width	Total length	Packing
T-81	PU	Oblique	8mm	8mm	18mm	polypropylene	5mm	118mm	100 pcs/bag
T-11	PU	Oblique	5mm	5mm	18mm	polypropylene	5mm	118mm	100 pcs/bag
T-31	PU	Oblique	3mm	3mm	15mm	polypropylene	3mm	82mm	100 pcs/bag
T-31	PU	Oblique	3mm	3mm	15mm	paper	3mm	78mm	100 pcs/bag
T-21	PU	Oblique	2mm	2mm	14mm	ABS	2mm	77mm	100 pcs/bag

Humidity 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, $[Co(H_2O)_4Cl_2]$ for blue $[6Co(H_2O)_2 + is pink$, 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.


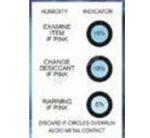



Features

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).

两种指示卡区别

<p>含钴</p> <p>温度指示卡</p> <p>欧盟环保法规将钴列为二类致癌物质</p> <p>吸湿后的变化</p> <p>蓝 变 粉</p>	<p>无钴</p> <p>温度指示卡</p> <p>无毒无害</p> <p>吸湿后的变化</p> <p>蓝 变 粉</p>
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Production specifications

Products	Humidity indication	Application description	The scope of application	Package
	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.	Big packaging, Bottled containers	500 / can
	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/can
	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/can
	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/can
	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/can

Packing



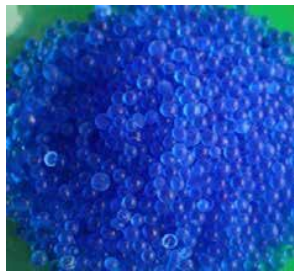
※ humidity card can be customized according to the customer requirements

Desiccant

Desiccant refers to the substance capable of removing moisture from moisture substances such as calcium sulfate and calcium chloride, and is dried by combining with water to form a hydrate; Physical desiccant, such as silica gel and active alumina, can be dried by means of physical water adsorption.



◆Silica gel desiccant



Specifications

Material: silica gel
Color: transparent, blue, orange
Aperture: large hole, thick hole, type B, fine hole
Packing: 0.5g-2000g, can be customized
Packaging materials: composite paper, non-woven fabrics, Aihua paper, etc.

Features

1. High adsorption performance
2. Good thermal stability
3. Chemical stability
4. High mechanical strength, reusable
5. Non-toxic, odorless, non-corrosive, pollution-free

Application

The most suitable moisture absorption environment is room temperature (20°C ~ 32°C), high temperature (60°C ~ 90°C), it can reduce the relative humidity of the environment to about 40%. Widely used in aerospace parts, computer devices, electronic products, leather products, medicine, food and other industries dry moisture.

◆Montmorillonite desiccant



Specifications

Material: natural montmorillonite
Moisture: < 1%
PH value: 7.0 ± 0.5
Particles: 0.5-4mm
Bulk density (g / L): ≥ 950
Saturation moisture absorption rate: more than 50% of its own weight

Features

1. Fast adsorption
2. The moisture absorption performance is stable
3. Excellent compatibility
4. Good moisture absorption
5. Non-toxic, non-corrosive, environmental protection

Application

The most suitable moisture absorption is under 50 °C environment. Widely used to storage dry air for the products such as optical instruments, electronic products, health care, food packaging and military products that cannot be sealed by oil and gas.

◆Active mineral desiccant



Specifications

Material: Natural clay
Moisture: <2%
PH value: 7.0 ± 0.5
Particles: 1-3 2-4 3-5
Bulk density (g / L): 820

Features

1. Environmental protection, safety, renewable use.
2. High moisture absorption, strong ability to remove odor.
3. Non-toxic and tasteless, non-contact corrosion.
4. Good moisture absorption ability under high humidity.
5. High compression strength and stable performance.

Application

This product is widely used in products that cannot be sealed with oil and gas. Optical instruments, electronic products, medical care, food packaging and military products and civilian products.

◆Fiber desiccant



Specifications

Material: natural plant fiber
Moisture: <5%
Thickness: 0.5 mm, 0.8 mm, 1.0 mm
Maximum size: 600 * 300 * 1mm (can be customized)

Inner packing: barrier sealed bag

Outer packing: lined with PE plastic bags

Features

- Natural plant fiber, 100% natural degradation.
- Fast moisture absorption rate and high moisture absorption rate.
- Saturated moisture absorption rate of up to 100% of their weight (25 °C, RH = 100%).
- Can be arbitrarily cut or washed into a variety of shapes, can be directly filled in the bottle or other containers.

Application

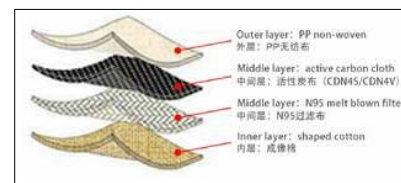
IC circuit board, electronic products, shoes, leather goods, handbags, clothing, handicrafts. Hardware, toys, furniture, cultural relics, photoelectric products, book archive collection.

Masks

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 non-woven or paper.



◆Cup-shaped mask



Specifications

Material: non-woven, high-efficiency filter cotton
Color: white
Type: headloop
Respiratory valve: yes/no (optional)

Features

- Adjustable nose clip to ensure good fit.
- The elastic band ensure flexibility.
- Soft lining.
- Good filtration performance.

◆Non-woven masks



Specifications

Material: non-woven, melt-blown filter layer
Color: white, blue, pink, yellow, etc.
Type: headloop, earloop
Size: Adult: 17.5 * 9.5cm
 Children: 14.5 * 9.5cm
Number of layers: 2 or 3 layers
Packing: 50 pieces / box

Features

Breathable, dustproof, filter bacteria, no particles Ultrasonic sealed edge, comfortable to wear.
 Can better prevent dust and microbes better, it is not tight with long time wear, no allergic reaction, the use of smooth fabric to reduce filter loss, no-clean, maintenance-free, convenient and practical, more safe and sanitary.

Application

For clinical, hospital, pharmacy, restaurant, food processing, beauty salon, electronic industry, etc.

◆Activated carbon masksmasks



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.

◆Fish-shaped masks



Specifications

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

Features

Made by automatic masks machine. stable, beautiful, both sides of the package edge treatment, comfortale, flexible, good sealability.

◆Anti-static masks



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.

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: 36x15cm, 40x15cm, customizable
Gram weight: 30g/GSM, 35g/GSM, 40g/GSM, etc.
Packing: 10 / rolls

Features

Elastic elastic mouth design, free to adjust the size, breathable and comfortable.

Application

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

◆Non-woven antiskid shoe cover



Specifications

Material: non-woven
Color: blue, white, green, etc.
Size: 36x15cm, 40x15cm, customizable.
Gram weight: 30g/GSM, 35g/GSM, 40g/GSM, etc.
Packing: 10 / rolls

Features

The bottom printed with anti-skid line, safe with non-slip.

Application

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

◆PE shoe cover



Specifications

Material: PE
Color: blue
Size: 36x15cm, customizable.
Gram weight: 1.6g / 1.8g / 2.0g / 2.5g, etc.
Packing: 10 / rolls, 10 rolls / bag.

Features

Good toughness, comfortable and transparent, waterproof.

Application

Widely used in electronics, chemical, clean room, food industry, environmental protection industry, purification workshop, hotels, household goods and other places with such high demand.

◆CPE shoe cover



Specifications

Material: CPE
Color: blue
Size: 36x15cm, 40x15cm, customizable.
Gram weight: 1.5g-5g
Packing: 10 / rolls, 10 rolls / bag

Features

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

Application

Widely used in electronics, chemical, clean room, food industry, environmental protection industry, purification workshop, hotels, household goods and other places with such high demand.

◆LDPE boots cover



Specifications

Material: LDPE
Color: blue, transparent.
Size: 38x42cm, thickness 0.02mm, size can be customized
Packing: 10 / rolls, 10 rolls / bag.

Features

The surface has anti-skid lines, good sealing, good waterproof performance.

Application

Widely used in electronics, chemical, clean room, food industry, environmental protection industry, purification workshop, hotels, household goods and other places with such high demand.

◆Shoe cover machine shoe cover



Specifications

Material: PE/non-woven
Color: blue
Buckle type: T-type buckle, G-type buckle, centipede buckle
Packing: 50 / bag, 100/bag.



◆PVC special thermal shrinkable film for intelligent film



Specifications

Material: PVC
Film thickness: 22-28μm
Film width: 22cm
Quantity: 1100 / roll
Vertical and horizontal shrinkage: >40%

Features

Longitudinal shrinkage shrinkage performance; wear-resistant; environmentally friendly recyclable.

*Supporting 61-page intelligent automatic shoe laminating machine use.



Intelligent automatic shoe laminating machine

Shoe Cover Machine

Shoe cover machine is an increasingly popular new product, it's clean, environmentally friendly, stylish, safe and convenient, without electricity, as long as the foot wearing shoes gently step inside, it will automatically put on a shoe cover, thoroughly solve the trouble of visiting customers to change shoes.

◆ Plastic Shoe Cover Machine



Specifications

Material: aluminum alloy?(Plastic) **Specifications:** 420 * 210 * 130mm
Shoe Covers QTY: 50
Colors: silver, gold, purple, blue
Movement: using PP plastic one-time injection molding
Features: Heat-resistant, strong wear-resistant, high hardness and anti-aging.

◆ Aluminum Alloy Shoe Cover Machine



Specifications

Material: aluminum alloy
Specifications: 420*220*140mm
Shoe Covers QTY: 50

- Box:** rectangular series, the border uses 6063 aluminum alloy = oxidation surface treatment, aluminum alloy panels, all corners use 304 stainless steel material, no rust, beautiful appearance and elegant!
- Movement:** using 1.5 cold rolled steel plate to be the floor, solid, durable, steel surface electrophoresis, no rust, no paint, using stainless steel screws, so it can use at least 5 years. Other parts of the backplane are galvanized and paint film to be protected.
- Principle:** adopting the principle of rotation, direct driving horizontal, using gear to drive four-column synchronous rotate, loading amount of 50, size suitable for any crowd, the high-heeled shoes also can use.

◆ Intelligent Shoe Cover Machine



Specifications

Model Number: BT-EG2 (charging and plug-in dual-use)
Voltage: 110V / 220V
Shoe Covers QTY: 60-200
Dimensions: 560*275*375mm
Net weight: 13.3kg

Features

- Large capacity, up to 200 shoe covers at a time.
- Good performance, microcomputer intelligent identification system, practical and convenient.
- Induction fast, built-in sensor module.
- Intelligent alarm, microcomputer control, automatic fault prompt and alarm.
- Microcomputer display, accurate display of the number of shoe covers.
- Long service life.

◆ Intelligent Full Automatic Shoe Covers Machine

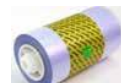


Specifications

Model Number: XT-46C
Life: > 300,000 times
PVC supplies capacitance: > 1200
Use power: 1300w
Warm-up time: ≈ 120 seconds
Standby power consumption: ± 75w / h
Film-out time: 2-3 seconds
Film-cover time: 2-3 seconds
Net weight: 27kg

Features

- Comfort, height 25cm ergonomic easy to cover film and comfortable.
- Bottom pulley and fixed wheel design, easy to move and furnishings.



Intelligent laminating machine PVC thermal shrink film

Ion Fan

The main role of ion fan is to eliminate static electricity, with superior eliminate-static performance, and prevent electrostatic pollution and damage. It is the ideal equipment in electronic production line, maintenance station, and other personal electrostatic protection zone.

Category

1. Current mode: DC, AC, high frequency AC.
2. Number of fans: single head, double head, three heads, multiple.
3. Installation: hanging, desktop, scaffolding.



◆ Desktop Ion Fan



ME200



Model Number: ME100

Features: Protection of sensitive electronic components; Fast electrostatic charge control; Stepless speed control; Built-in fan and power supply; Intrinsic ion balance voltage up to ± 10V.
Current mode: DC
Input Voltage: 110V/60Hz, 220V/50Hz
Current Consumption: 0.28A or 0.04A
Weight: 1.5kg
Air Volume: low speed 50CFM:2.5m/s; high speed 110CFM:4.0m/s
External Dimensions: 180(L)*75(W)*200(H) (mm)
Power: ≤10W

Model Number : ME200

Features: a unique form of high-frequency discharge; with high pressure indicator; made from special alloy, spray point discharge stability; small size, light weight, full-featured.
Current mode: high frequency AC
Input Voltage: AC90-230V
Current Consumption: 220VAC/0.04A
Weight: 0.8kg
Air Volume: 90-120CFM
External Dimensions: 140(L)*75(W)*200(H) (mm)
Power: ≤10W

Model Number : ME300

Features: Quickly eliminate static electricity; Small, exquisite, easy to operate; Continuous wind speed adjustment; Ion balance indicator, with heated wind function; Ion needle cleaning brush, with a filter device, for customers to purchase.
Current mode: AC
Input Voltage: 110V/60Hz, 220V/50Hz
Current Consumption: 0.4A or 0.2A
Weight: 3kg
Air Volume: 45-110CFM
External Dimensions: 150(L)*95(W)*260(H) (mm)

◆desktop Ion Fan



Model Number : ME101

Current mode: DC
Input Voltage: 110V/60Hz , 220V/50Hz
Input Current: 1.5A or 0.25A
Coverage Area: 80cm*120cm
External Dimensions: 420 (L) *160 (W) *170(H) (mm)
Weight: 5.6kg
Air Volume: 70-120CFM
Ion Balance: 0V±10V
Power: 55W



Model Number : ME306

Current mode: AC
Input Voltage: 110V/30Hz or 220V/50Hz
Input Current: 3.3A or 1.65A
Weight: 8.8kg
External Dimensions: 580(L)*230(W)*190(H)(mm)
Air Volume: 45-190CFM
Ion Balance: 0V±10V
Power: 360W



Model Number : ME309

Current mode: AC
Input Voltage: 110V/30Hz or 220V/50Hz
Input Current: 4.0A/2.0A
Weight: 18.5kg
External Dimensions: 800 (L) *225 (W) *190(H) (mm)
Air Volume: 100-240CFM
Ion Balance: 0V±10V
Power: 440W

◆Hanging Ion Fan

Features: Large range of ion fan, adjustable wind speed; with lighting, heating function can be installed; two to eight ion beam output.



Model Number : ME302

Current mode: AC
Input Voltage: 110V/60Hz, 220V/50Hz
Current Consumption: 0.5A or 0.25A
Weight: 8.0kg
Air Volume: 80-220CFM
External Dimensions: 610 (L) *170 (W) *125(H) (mm)
Power: 55W



Model Number : ME303

Current mode: AC
Input Voltage: 110V/60Hz, 220V/50Hz
Current Consumption: 0.6A or 0.3A
Weight: 11.7kg
Air Volume: 120-330CFM
External Dimensions: 1100 (L) *170 (W) *125(H) (mm)



Model Number : ME304

Current mode: AC
Input Voltage: 110V/60Hz, 220V/50Hz
Current Consumption: 0.64A or 0.32A
Weight: 11.7kg
Air Volume: 80-220CFM
External Dimensions: 1100 (L) *170 (W) *125(H) (mm)
Power: 70W

◆Other Ion Elimination



Ionic wind snakes

Model Number: ME405
Operating Voltage: 4.6KV
Current Consumption: 0.35A
Weight: 0.7kg
Length of Serpentiator: 33cm
Compressed Air Pressure: 5-70psi
air velocity: 10m/sec

Compressed air flow	0.8SCFM at 10PSI
	5.5SCFM at 50PSI
	11.5SCFM at 100PSI

Time of eliminate static electricity : <1.5s



Lonizing air gun

Model Number: ME400
Current mode: AC
Input Voltage: 4.6KV
Input Current: 350µA
Weight: 0.6kg
Length of High Voltage Cable: 3m
Working air flow pressure: 40-100psi
air velocity: 10m/sec
Ozone volume: ≤0.03ppm



Ion wind drum

Model Number: ME311
Power Requirements: 220V / 380V (3 phase)
Input Current: 2.3A or 1.4A
Weight: 17.5kg
Ion Balance: 0V±10V
Air Volume: 335-410CFM
External Dimensions: 550 (L) *240 (W) *370(H) (mm)
Airflow area: 60cm*300cm
Built-in transformer: 7.0kV
Time of eliminate static electricity (5kv-500v distance 30cm) ≤0.6s

◆Ion Wind Stick

Features: copper and aluminum material, solid shell, easy to install; strong wind, eliminate static electricity quickly; suitable for a variety of harsh working environment.



Model Number	ME500/ME500A	ME501/ME500B	ME502			
Operating Voltage	5.6kV	5.6kV	5.6kV			
Weight	2.8kg	1.6kg	3.5kg			
Air Consumption	10LPM/hole	10LPM/hole	10LPM/hole			
Input Current	0.5mA	0.4mA	0.4mA			
Effective length of the rod	200-2000mm	200-2000mm	200-2000mm			
Length of High Voltage Cable	3m	3m	3m			
Testing Condition : RH60%		Testing Temperature: 22 °C				
Testing Voltage: 5KV-500V		Operating Voltage: 110V-220V				
Model Number	ME500/ME500A			ME501/ME502/ME500B		
Distance	100mm	150mm	300mm	30mm	90mm	150mm
Decay time	Plus	0.2s	0.4s	0.7s	0.3s	0.8s
	Minus	0.4s	0.7s	1.0s	0.3s	1.8s

PIPE & JOINT



Lean bar is also known as composited tube, or flexible pipe, is made up of high quality steel pipe after surface treatment, welded steel pipe with plastic resin coating, special plastic surface using thermoplastic adhesive layer, a mix of cladding coating on the inner surface.

Features

- 1.Simplicity:the lean tube uses the simplest concept of industrial production that is easy to understand,and the production line workers can design and make bar products according to their position.
- 2.Softness:through simple design,the production of lean material handling system has good softness,which allows you to design,build and adjust according to your special needs.
- 3.flexible:the standard components of the bar products make your changes become very easy,can adapt to the changing process of the site.
- 4.In line with JIT production methods:Lean tube standard components make your changes become very easy,can adapt to the changing process of the site.
- 5.Improve your working environment:the main components of the lean tube are coated with plastic,which can also help you reduce the risk of injury in your workplace.
- 6.Extensibility:Through the needs of different products,you can design new accessories that can be matched with the original lean materials,and increase the use of different production methods or different stations.
- 7.Reusable:when the life cycle of a product or process ends, the original accessories can be reassembled to meet the new requirements by changing the structure of the product.
- 8.Accord with human body engineering:As the lean tube assembly of the equipment is simple and adjustable,it can easily adjust the height of the lean bar products,so that each operator would be in the best working position.

Application

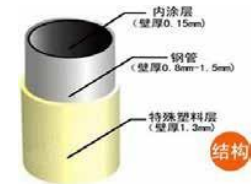
- 1.Various types of workstations or combinations of different unit production systems (lean mode of production).
- 2.Station equipment (production line assembly station or material input point of the distribution system).
- 3.Storage shelves (traditional multi-storey shelves,medium and light multi-storey first-in-first-out fluent shelves,shipping chute system,special application shelves).
- 4.Turnover,material vehicles (general multi-layer material loaders, non-general material distribution,temporary storage vehicles, specially designed mobile appliances).
5. Material rack (fixed type non-general material placement, temporary storage rack).
- 6.Commercial application (display rack,personalized display rack, creative display).

◆Steel - plastic composite pipe



Specifications

Outer resin: PE, ABS
Intermediate adhesive: hot melt adhesive
Core steel: cold rolled steel
Standard Diameter: 28mm
Thickness of steel pipe wall: 0.8/1.0/1.2/1.5/2.0 (mm)
Inner diameter of pipe: 24.5-24.7mm
Length of pipe: regular 4m, 6m, 8m, etc. Can be customized
Color: beige, white, black, green, red, silver, blue, etc.



◆Stainless steel tube



Specifications

Material: 201 stainless steel
Thickness: 0.8mm/1.0mm/1.2mm
Length: 4m/root, can be customized
Outside diameter: 28mm
Color: silver white

Features

Renewable, high strength, durability; light, good strength; oil resistance, good corrosion resistance.

◆Aluminum alloy lean tube



Specifications

Material: aluminum alloy
Thickness: 1.2mm
Length: 4m / root, can be customized
Outside diameter: 28mm
Color: silver white

Features

Easy assembly, light, beautiful, can be reused, multi-functional.

◆Lean tube accessories

Connector

Assembly principle: first installed side and the bottom part, and then install the connecting rod; first load bearing rod, and then install the connecting rod; first install two ends, and then installed the middle; all connectings between chuck and plastic pipe should be installed in place according to the design requirements.



Slide rail (pulley/aluminum skid/fluency)



Material: sheet metal + plastic ABS + iron (the frame is aluminum profile, the wheel is ABS, and the pin shaft is iron)

Outside size: 40 * 33 * 4000 (wide * high * total length, with a total height of 43.5MM)

Wheel color: the most commonly used is black, followed by yellow and white, other colors need to be customized

For other size: the wheel diameter Φ 34 mm, round of 20 mm wide, two rounds of center distance of 45 mm

Application: for gravitational sliding shelves, rails and other sliding devices.

Slide rail (pulley/aluminum skid/fluency)



Material: hot plate

Surface treatment: galvanized zinc / electrophoresis

Color: golden yellow / black

Specification: 94*43*40.4mm/63*43*40.4mm/60*43*40.4mm/154*43*40.4mm

Applications: this product should be used with flexible wire rod and aluminum profile slide rail, gravity and material planing device

Castors



Raw materials: stainless steel, carbon steel, nylon, plastic, rubber, etc.

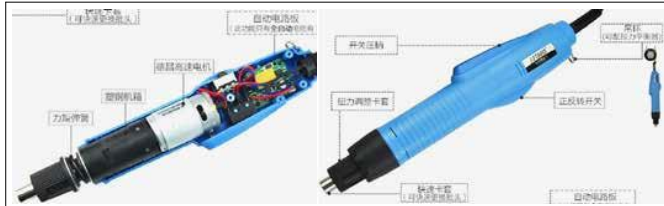
Main technologies: metal and rubber followed by technology; Metal and polyurethane technology

Specifications: 2 inch / 3 inch / 4 inch / 5 inch plunger with brake, plunger without brake, flat type orientation, flat type casters.

Electric Screwdriver

Electric screwdriver is a kind of electric tool which is used to tighten and loosen the screw .

◆Fully Automatic Electric Screwdriver



Model Number: JF-3160TL	Model Number: JF-1080TL	Model Number: JF-6200T
Power(w) : 30	Power(w): 30	Power(w): 30
Type: Fully automatic	Type: Fully automatic	Type: Fully automatic
Net Weight(kg): about 0.6	Net Weight(kg): about 0.6	Net Weight(kg): about 0.7
Suitable Bits (mm) : Φ 5	Suitable Bits(mm): Φ4	Suitable Bits(mm): Φ4
Screw Range (mm) : M 2 - 5	Screw Range(mm): M1-4	Screw Range(mm): M1-4
No-Load Speed (rpm) : 1000	No-Load Speed(rpm): 1000	No-Load Speed(rpm): 1000
Torque Range (kgf.cm) : 3 - 15	Torque Range(kgf.cm): 1-8	Torque Range(kgf.cm): 0.3-2
External Dimensions (mm) : 230*Φ33	External Dimensions(mm): 230*Φ33	External Dimensions(mm): 230*Φ33

◆Semi-automatic Electric Screwdriver

Model Number: JF-3C	Model Number: JF-4C	Model Number: JF-6C
Power(w) : 30	Power(w): 30	Power(w): 30
Type: Semi-automatic	Type: Semi-automatic	Type: Semi-automatic
Net Weight(kg): about 0.5	Net Weight(kg): about 0.65	Net Weight(kg): about 0.65
Suitable Bits (mm) (mm) : Φ 4	Suitable Bits(mm): Φ5	Suitable Bits(mm): Φ6
Screw Range (mm) : M 1 - 4	Screw Range(mm): M2-5	Screw Range(mm): M2.5-6
No-Load Speed (rpm) : 450-1200	No-Load Speed(rpm): 400-1000	No-Load Speed(rpm): 400-1000
Torque Range (kgf.cm) : 1 - 8	Torque Range(kgf.cm): 2-15	Torque Range(kgf.cm): 5-22
External Dimensions (mm) : 200*Φ35	External Dimensions(mm): 200*Φ45	External Dimensions(mm): 200*Φ45



4MM Bits more appropriate to install or dismantle some small screws, such as: the screws of calculator, mobile phone, laptop, small toys, etc.

5MM Bits more appropriate to install or dismantle some medium screws, such as: the screws of desktop computers, LCDs, household appliances, subwoofers, etc.

6MM Bits more appropriate to install or dismantle some large screws, such as: the screws of refrigerators, washing machines, air conditioners, smoke exhaust ventilators, large home appliances, etc.



Electric Screwdriver Bits

Bits usually refers to the screwdriver head installed onto the electric hand drills or electric hammers.

According to the different type of head, bits can be divided into straight-head, cross-head, plum-head, star-head, square-head, hexagon-head, Y-head and so on, and the straight head and cross head are the most commonly used.



◆Straight-Head Bits



Specifications

Material: S2 steel
 Head of Screw Rod: Straight-head
 Handle Diameter: 6.35mm
 Handle Length: 28mm
 Axial Length: 22-122mm
 Tool Bit Diameter: Φ2/Φ3/Φ4/Φ5/Φ6
 Total Length: 50-150mm
 Hardness: 60HRC

Features

High-quality alloy steel, high strength, high torque; with strong magnetism can adsorb screws; easy to operate and quick.



◆Cross-head Bits



Specifications

Material: S2 steel
 Head of Screw Rod: Cross-head
 Handle Diameter: 6.35mm
 Handle Length: 28mm
 Axial Length: 28-178mm
 Tool Bit PH: PH00 / PH0 / PH1 / PH2
 Total Length: 50-200mm
 Hardness: 60HRC



◆Plum-head Bits



Specifications

Material: S2 steel
 Head of Screw Rod: Plum-head
 Handle Diameter: 6.35mm
 Handle Length: 28mm
 Axial Length: 2-122mm
 Tool Bit T: T5-T40
 Total Length: 50-150mm
 Hardness: 60HRC



◆Inner-Hexagon Screwdriver Bits



Specifications

Material: S2 steel
 Head of Screw Rod: Inner-Hexagon
 Handle Diameter: 6.35mm
 Handle Length: 28mm
 Axial Length: 22-122mm
 Tool Bit Diameter H: H1.5-H8
 Total Length: 50-150mm
 Hardness: 60HRC



◆ Spherical Inner-Hexagon Screwdriver Bits



Specifications

Material: S2 steel
 Head of Screw Rod: Inner-Hexagon
 Handle Diameter: 6.35mm
 Handle Length: 28mm
 Axial Length: 37-122mm
 Tool Bit Diameter H: H2-H6
 Total Length: 65-150mm
 Hardness: 60HRC



◆Special-shaped Bits



Soldering Station

Electric soldering iron is an essential tool for electronic production and electrical maintenance, and the main purpose is to solder components and wires.

◆Categories

- According to the mechanical structure it can be divided into internal thermal electric iron and external thermal electric iron.
- According to the function it can be divided into no-suction-tin soldering iron and electric suction tin soldering iron.

◆External Thermal Adjustable Thermostat Electric Iron



Features

Supply Voltage: 110V/220V
 Input Power: 60W
 Temperature Range: 200-400°C
 Heating-up Time: ≤15s
 Temperature Control Accuracy: ± 2 °C (no load status)
 Solder Tip Specifications: 7.8 (outside)/ 5.2 (inside)
 Heating Components: ceramic heating core
 Insulation Impedance: ≥100MQ
 Soldering Iron Length: 245mm
 Soldering Iron Weight: 60g

Features

- 1.High-strength high-temperature PC plastic handle.
- 2.Unique handle with temperature control function, and the knob shows the temperature directly.
- 3.Preset temperature and automatic temperature control in the effective range which is easy to use.
- 4.Ceramic package Exothermic heating core, excellent structure and high insulation.
- 5.Heating rapidly, suitable temperature and comfortable handle.

◆Internal Thermal Adjustable Thermostat Electric Iron



Features

Input Voltage: AC 220V-250V
 Input Power: 60W
 Temperature Range: 200-450°C
 Preheating Time: 45s
 Heating Components: ceramic heating core
 Soldering Iron Length: 220mm
 Wire Length: 1.4m

Features

- 1.Stable and energy saving imported ceramic heater, heating from inside to outside, low power consumption.
- 2.The iron head is made of copper, iron, nickel, chrome and tin, and the inner hollow rapidly conducts heat and warms up quickly.
- 3.Intelligent PTC thermostat chip, free to adjust the thermostat.

◆Thermostat Soldering Station



Model Number: JF-936
 Temperature Range: 200-480°C
 Temperature Stability: ±5°C
 Power: 60W
 Heating core: Plug-in
 Display: None
 Gross Weight: about 1.7KG
 Dimensions: 112*137*80mm
 Features: heating quickly; energy saving and environmental protection; enough power.



Model Number: JF-937B
 Temperature Range: 200-480°C
 Temperature Stability: ±5°C
 Power: 90W
 Heating core: Plug-in
 Display: Digital
 Gross Weight: about 2.0KG
 Dimensions: 112*137*80mm

◆ Intelligent soldering iron

The TMT-2000S is an intelligent soldering iron with Curie temperature control technology. The output power of the TMT-2000S automatically adjusts to the heat absorbed by the solder joint while meeting the thermal sensitivity requirements of components and circuit boards.



K-series Integrated Iron Head



P-series Integrated Iron Head



S-series Integrated Iron Head

Features

1. using Curie temperature control technology, and the operating frequency of main engine is 470KHz.
2. Unique design of K,P,S series of integrated iron head. Lightweight main engine, only 1.3 kg, which occupies a small work surface space.
3. The iron head does not require calibration and the operator does not need training.
4. No extra heating consumption.

Specification

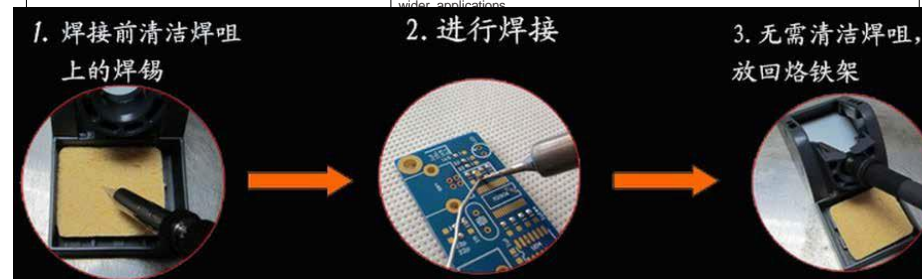
Input Voltage: 100-240 VAC, 55W
Potential to Ground of Solder Tip: <2mV, true RMS 50-500Hz
Resistance to Ground of Solder Tip: <2 Ohms DC
Idle Temperature Stability: +/- 1.1°C (2°F) Maximum internal temperature: 50°C (122°F) **Fuse:** 250V 1A
Output power (max): 50 Watts
Output frequency: 470 KHz
Dimensions (W x H x D): 110mm x 155mm x 92mm
Weight: 1.3 KG
Input frequency: 50/60 Hz
Configuration:
 TMT-2000PS----- Main engine power system
 SHH-4----- Iron handle bracket
 SHP-K1----- Iron handle 1
 RMP-1----- Iron head removal pad
 BC-1----- Copper wire ball
 SPG-1----- Sulfide-free sponge
 CC-1----- Connecting cables

Soldering Tips

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.

Classification	
Type of Soldering iron head	Scope of application
B-type head, also known as round-head, tip size 1.0	Most components on solderable patches and straight circuit boards, most widely used.
I-type head, also known as pointed-head, tip size 0.2	Soldering small patches components and processing solder dots and trace, not commonly used.
K-type head, also known as knife-head.	Welding patches and multi-pin IC; usually used drag welding; wide range of applications.
C-type head, also known as horseshoe-head, model number represents the diameter of the cylinder	Welding larger and faster heat-dissipation straight components, aa wider applications.



Attention

1. In order to be more durable, please always keep the soldering iron head with tin to prevent oxidation.
2. If there are black oxide on the soldering iron head, it must be cleaned promptly to avoid the soldering iron head can not absorb tin.
3. Cleaning soldering iron head please use special cleaning sponge, wiping with a cloth is prohibited.
4. Please avoid rubbing the oxide on the soldering head with file or abrasive paper, which may easy to accelerate the decay of the iron head.

◆ DKT-H series high-power soldering iron head

Material: nickel-copper					
Heating method: External heat type					
Products power	80W	100W	150W	200W	300W
Product height	8cm	8.8cm	9.3cm	10.2cm	13.5cm
Head diameter	10mm	11mm	13mm	19mm	25mm
Bottom diameter	6mm	7mm	9mm	13mm	16mm
Weight	26g	40g	60g	140g	270g

Suitable for DKT-H series electric soldering iron.

Application: welding large components; welding something welding area/soldered dots/terminal is large; welding faster thermal conductivity.

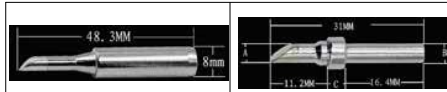
◆ I-Type Soldering iron head



Model Number:T18-I	Model Number: 500-I
Material: red copper	Material: red copper
Soldering iron head(Tip) Length: 14.6mm	Soldering iron head(Tip) Length: 19mm
Soldering iron head(Tip) diameter: 0.1mm	Soldering iron head(Tip) diameter: 0.4mm
Soldering iron head total length: 40mm	Soldering iron head total length: 42mm
Temperature adjustment range: 240-480°C	Temperature adjustment range: 0-600°C
Maximum power: 120W	Maximum power: 150-200W
Operational Soldering iron station: soldering station FX-888/FX-888D/FX-8803/FX-8802	Operational Soldering Station: Quick Soldering Station 205, Soldering Station BK3300A, Soldering Station BK3300L, Soldering Station ULUO205H, and other 150W High-frequency thermostat soldering stations.

Features: the tip of I-type Soldering iron head is taper, which is suitable for refined welding, or for the narrow welding space, it can also be used to correct solder bridge

◆ C-Type Soldering iron head



Model Number : 900L-T-4C (leadless Soldering iron head)	Model Number:200-4C (leadless Soldering iron head)
Material: red copper	Material: red copper
Soldering iron head(Tip) Length:20mm	Soldering iron head(Tip) Length:11.2mm
Soldering iron head diameter:8mm	Soldering iron head diameter:4mm
Soldering iron head total length:48.3mm	Soldering iron head total length:31mm
Temperature adjustment range: 240-480°C	Temperature adjustment range:240-480°C
Maximum power:80W	Maximum power:80W

◆ D-Type Soldering iron head



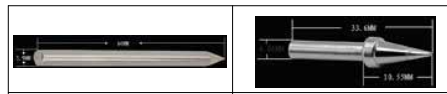
Model Number: 80W-D (leadless Soldering iron head)
Material: red copper
Soldering iron head(Tip) Length: 10mm
Soldering iron head diameter: 3.9mm
Soldering iron head total length: 80.28mm
Temperature adjustment range: 240-480°C
Maximum power: 80W

◆ H-Type Soldering Iron Head



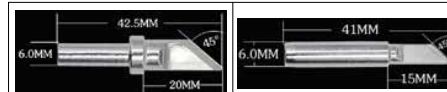
Model Number: 200-H (leadless Soldering iron head)
Material: red copper
Soldering iron head(Tip) Length: 17mm
Soldering iron head diameter: 3.0mm
Soldering iron head total length: 37mm
Temperature adjustment range: 240-480°C
Maximum power: 80W

◆ B-Type Soldering iron head



Model Number:30W-B (thermostat Soldering iron head)	Model Number:200-B (leadless Soldering iron head)
Material: red copper	Material: red copper
Soldering iron head(Tip) Length: 12mm	Soldering iron head(Tip) Length:10.55mm
Soldering iron head diameter: 3.9mm	Soldering iron head(Tip) diameter: 1mm
Soldering iron head total length: 66mm	Soldering iron head total length: 33.6mm
Temperature adjustment range: 240-480°C	Temperature adjustment range: 240-480°C
Maximum power: 30W	Maximum power: 80W
Operational Soldering Station: HAKKO Soldering Station 937/OUTCK Soldering Station 969/ OUTCK Soldering Station 936/China-produced Soldering Station universally.	

◆ K-Type Soldering Iron Head



Model Number:500-K (leadless Soldering iron head)	Model Number : 900M-T-K (leadless Soldering iron head)
Material: red copper	Material: red copper
Soldering iron head(Tip) Length: 20mm	Soldering iron head(Tip) Length: 15mm
Soldering iron head diameter: 6mm	Soldering iron head diameter: 6mm
Soldering iron head total length: 42.5mm	Soldering iron head total length: 41mm
Temperature adjustment range: 200-480°C	Temperature adjustment range: 240-480°C
Maximum power: 150W	Maximum power: 80W

◆ 200M series Soldering iron head



Material: oxygen-free copper
Soldering iron head total length: 3.0-5.0
Soldering iron head(Tip) Length: 1.0-1.8
Soldering iron head(Tip) diameter: 4.0-5.0
Temperature adjustment range: 0-600°C
Maximum power: 120W
Heating method: external heat
 200 series soldering iron is suitable for high frequency welding station of 90-120W (such as BK1000 / 2000 / 2000A / 3200/3500/3800 Quick3202 / 3100/3101/3102 / 203D / 203 / 203H / 204 / 204H / 303 etc.).

Accessoris For Soldering Station

◆ The soldering iron cleans the 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/cm3).
Regular shape: square, rectangle, circle.
Size: Can be customized.



Feature

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



◆ Smoking instrument

Smoking apparatus is very effective in preventing the absorption of toxic flux and lead smoke.

	
Specification: back cover	Specification: no rear cover
Voltage: 220V	Voltage: 220V
Alternating current (ac): 50/60HZ	Alternating current (ac): 50/60HZ
Power: 16W	Power: 16W
Weight: 1.6KG	Weight: 1.6KG

Features

- 1.The smoking apparatus is compact and easy to move.
2. The activated carbon filter can be replaced.
- 3.Adjust the wind direction to change the wind direction.
- 4.Smooth running and low noise;The fan Angle can be adjusted.

◆ Smoking instrument sponge (activated carbon filter cotton)

Smoker sponge has a special foam with refined activated carbon and made, with a high degree of absorption of harmful gases and flux performance.



Specification

Material: EVA foam
Density: 0.08 (g / cm3)
Size: 125mm * 125mm / 14mm * 14mm, size can be customized

Features

Apply to filter and eliminate waste smoke, the impact of exhaust on the human body.

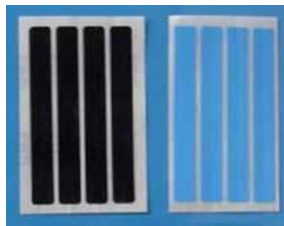
Splice Tape

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 pliers 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: 8mm/12mm/16mm/24mm

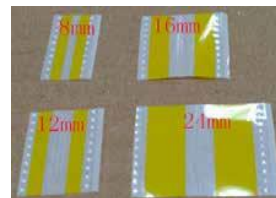
Optional: anti-static (black), not anti-static

Advantages

1. With the splicing way of splice splicer-splice copper buckles, the splice tape is 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, high precision.
5. Make full use of surplus materials.

◆Double sided 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: 8mm/12mm/16mm/24mm/32mm/44mm

Length: 40mm

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

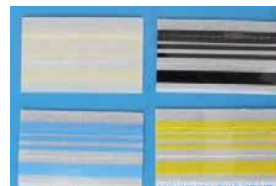
Stripping off the base paper on the dot raised side, then let the SMT component with sealing set to bind the dot raised position, so that the tape is adhere to the SMT components, fold the tape along the center line to adhere the other side of the SMT components, then remove the cocar papaer and press the upper and lower side of the tape to make the components connected in good condtons.



1 在SMT元件上，如此的中心对齐。
2 将背面的基纸取开。
3 将胶内凸起面点胶入再贴头孔内定好位置。
4 沿中心线对折，把元件带到一致之前，请轻轻片叠层胶带上下面板片，元件需要连接完好。

◆Universal splice tape

Universal splice tape with high demand that suitable 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: 8mm

Optional: anti-static (black), not anti-static.

Advantages

Using edge positioning design, positioning fast, high accuracy for splicing.

Splicing design: 19 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, 602 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 Proline-RoadRunner surface mount platform for automated programming implant.

Tape color: yellow, blue, black

Width: 8mm

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




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 splicer pincer car to make it more convenient to operate.

Features

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



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>		

Solder 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 rosin 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.

◆Leadless Solder Wire



Specifications

Material: Sn, Ag, Cu
Product Weight: 800g (can be customized 700-1000g)
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 tin core.

Composition	Melting Point °C	Features
Sn99.3Cu0.7	227	Lower cost, it is currently the most frequently-used and economical environmental solder wire, suitable for the common welding.
Sn96.5Ag3.0Cu0.5	222	Higher cost because of the high content of silver, but the soldered dots are most bright and the welding performance is best.
Sn99Ag0.3Cu0.7	217	Containing a small amount of silver, brighter soldered dots, excellent performance, suitable for higher-requirement welding.

◆Lead Solder Wire



Specifications

Material: Sn-Cu
Product Weight: 800g (can be customized 700-1000g)
Standard diameter: 0.6mm, 0.8mm, 1.0mm, 1.2mm (can be customized 0.5mm-3mm)
Flux content: 1.8%-2.5%
Operating temperature: 260°C-300°C

Features

1. Bright and reliable soldered dots.
2. Good welding performance.
3. Small corrosivity.
4. High insulation resistance;
5. Less residue after welding and the color is light.
6. Seldom splash when welding, less smoke and fog, and no uncomfortable smell.

Model Number	Melting Point °C	Density g/cm3	Uses
Sn63Pb37	183	8.4	For some demanding circuit boards, such as: precision instruments, electronics industry, telecommunications, micro-technology, aviation industry, etc.
Sn60Pb40	183-190	8.5	
Sn55Pb45	183-203	8.7	
Sn50Pb50	183-216	8.9	For some common circuit boards, such as: household appliances, electrical instruments, automotive electronics, general hardware electrical products, etc.
Sn45Pb55	183-227	9.1	
Sn40Pb60	183-238	9.3	For some lower-requirement circuit boards, such as: hardware machinery, automotive water tanks, light bulbs, cable joints, etc.
Sn35Pb65	183-247	9.5	
Sn30Pb70	183-255	9.7	
Sn25Pb75	183-266	9.9	
Sn25Pb75	227	7.4	

Solder Sucker

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

◆ Manual Solder Sucker



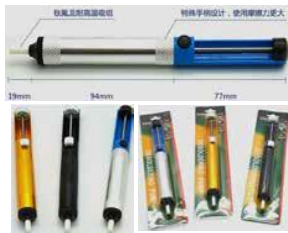
Specifications

Material: Plastic
Material: ABS
Suction: 40cm-Hg
Length: 330mm
Weight: 87g
Package: Blister Card

Features

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

◆ Semi-aluminum solder sucker



Specifications

Material: half of Aluminum and half of plastic
Suction: 1cm-Hg
Length: 190mm
Weight: 200g
Colors: gold, silver, black (anti-static)
Package: Blister Card

Feature

beautiful appearance, good tightness of the suction tube, it's convenient that can be used by one hand.

Usage skill

1. Please ensure the tightness of sucker piston. Before energizing, use your fingers to close the hole in the sucker 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 one timely when the solder sucker head become old.
4. Before touching the solder joints, dip a little bit of rosin each time to improve the flowability of the solder.
5. Touching the soldered dots for a longer time, when the solder melts, please take the solder pins as the center, hand out clockwise drawn a circle, and then press the suction button.

Usage method

Firstly, please press the piston of solder suction down until be jammed.
Please use the electric soldering iron to heat the soldered dots until the solder melted.
Moving away the electric iron, at the same time, put the suction sucker point attached the solder joints quickly, and press the suction button.
Please operate repeatedly until cleaning.

◆ Electric solder sucker (dual-use soldering iron)



Specifications

Model Number: DKT-365
Material: plastic handle, stainless steel casing
Suction: 40cm-Hg
Length: 280mm
Suction mouth diameter: 3mm
Power cord length: 1000mm
Tin needle length: 110mm
Voltage: 220V Power: 30W
Weight: 138g

Feature

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

◆ Electric Solder Sucker



Specifications

Model number: S-998P
Material: Stainless steel
Suction: 65 (cm-Hg)
Length: 200mm
Weight: 1.4kg
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 (stepless)
Relative degree of vacuum: 80kPa (600mmHg)
Insulation resistance: ≥100 MΩ
Work mode: Continuous
Specification of the sucker nozzle: φ1.0mm/1.5mm

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 86kPa (650mmHg); detachable transparent back cover, easy to maintain the vacuum pump; rapid heating function; stable working temperature and instantaneous back to temperature function; tin storage tube is made of high strength and high temperature resistant plastic; suitable for double-sided and multi-layer circuit board.

Tin Stove

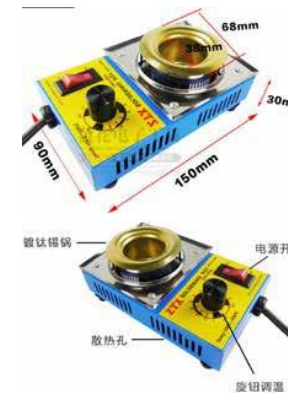
Tin stove refers to the electronic soldering used in a welding tool. Good for discrete components circuit board welding, easy to operate and high efficiency.

◆ Stainless Steel Thermostat Round Tin Stove



Model Number	POT-91CT	POT-98CT	POT-P150	POT-P200
Supply voltage	AC 200V-230V 50HZ			
Input power	100W	150W	150W	200W
temperature range	270°C-500°C		200°C-500°C	
Melting tin time	≈20minutes		≈15minutes	
Machine size	170mm*95mm*75mm		170mm*95mm*75mm	
Tin pot volume	φ36*36mm ³	φ50*34mm ³	φ36*36mm ³	φ50*34mm ³
Solder capacity	≈300g	≈450g	≈250g	≈420g
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 Round Tin Stove



Model Number	11A	21B	31C	41D
Power	150W	180W	280W	350W
No-load stove temperature	100°C-500°C	100°C-500°C	100°C-500°C	100°C-500°C
Tin stove time	about 8min	about 8min	about 8min	about 8min
Capacity	250g	500g	800g	1200g
Tin stove diameter	φ38mm	φ50mm	φ80mm	φ100mm
Depth	30mm	30mm	40mm	40mm

Features

1. easy to operate and understand.
 2. Imported copper switch, long service life.
 3. Hollow out design, excellent cooling effect.
 4. Anti-slip mat, non-slip, insulated, safe.
- 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 adjusts back to the temperature range needed, reasonable tin water working temperature is 300°C-350°C (about 4file-9 file), tin water temperature does not too high, otherwise cause man-made Tin pot aging, and the tin water becomes black or yellow, and if uses the acidic flux, the pot will be faster corroding under the ultra-high temperature due to leak tin.
 - Turn off the power before leaving to avoid accidents.

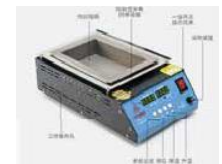
◆ Pure Titanium Lead-free Square Tin Stove



Model number	JF-508A	JF-808A	JF-108A
Capacity	600g	1500g	2000g
Power	250W	400W	500W
Tin pot size	φ50mm*40mm	φ80mm*40mm	φ100mm*40mm
Melting tin time	about 15min	about 15min	about 15min
Dimensions	250*158*110mm		
Material	Pure titanium	Pure titanium	Pure titanium
Temperature range	30°C-600°C	30°C-600°C	30°C-600°C

Features

1. Dual 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 push-type push-button control switch, simple and convenient operation, long service life.
4. High-quality non-slip rubber mat raw materials, non-slip, shockproof, moisture-proof, heat insulation.



Magnifying Lamp

Desktop magnifying glass, similar to the shape of the lamp, suitable for electronic engineers to observe and test circuit board with micro-components and intensive component, or medical staff, beauticians and other who need to light and enlarge on the work.

◆Desktop Magnifier (with clip)



Specifications

Model Number: 16129-A
Magnification: 2X (large magnifier), 6X (small magnifier)
Weight: 645g
Specifications: 210 * 130 * 170mm, the maximum working height: 155mm
Light source: 2 high-brightness LED lights
Material: ABS, metal, acrylic optical lens

Instructions

After the magnifier is assembled and fixed, place it over the observed object (turn on the LED light when there is insufficient light), make the lens parallel to the line of sight (the object is clearly defined and the multiple is maximum is the best), and moving the object to find the most appropriate observation position.

◆Desktop Crank Magnifier



Specifications

Model Number: F-500C
Voltage: 220v / 110v
Material: imported ABS engineering materials
Light source: 30 LED lamp beads / 22w fluorescent tube
Magnification: 3 times, 5 times, 8 times, 10 times, 15 times, 25 times
Power: 22w / 15w
Lens diameter: 127mm
Lens Material: white glass / green glass
White glass: high transparency and clarity, no colour aberration, anti-fatigue, wear-resistant and no impurities.
Green glass: lower transparency and clarity, with a little colour aberration, with slightly cyan.

Features

1. Annular LED light, good visual experience; clear vision, and long service life.
2. Rotating button configuration, the lamp can be rise-and-fall, rotated, and folded, easy to carry.
3. Base with metal counterweight technology, solid and not easy to dump.
4. High magnification, multiple correct, no dispersion, protect eyesight.
5. High brightness and low loss, good circuit vision, no flicker.

◆Desktop Crank Magnifier



Specifications

Model Number: SF-2001
Lens material: ordinary lenses (green glass), optical lens (white glass), selectable
Magnification: 5 times, 10 times
Light Source: Double 7W U-shaped three-color light tube
Lens diameter: 177 * 113mm
Power Supply: AC 220V, 110V (default 220V, 110V can be customized)
Plug: national standard three-pin plug (other standard can be customized)

Features

1. Good magnification effect, clear imaging.
2. Multiple correct, protect eyesight.
3. Can freely adjust the angle and foldable, easy to use.
4. Using wide range of square lenses, smaller deformation around, more clearly.

◆Pinch magnifier



Specifications

Model Number: MA-1205CB
Lens material: ordinary lenses (green glass)
Magnification: 5 times
Lens diameter: 127mm
Power: 22W
Power Supply: AC 220v-240v

Features

1. With strong spring, Angle, length and height adjustable.
2. The lamp is attached with a hatchable mask.
3. Equipped with a firm clamp, suitable for confined Spaces.

Milling Cutter

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 workpiece. Milling cutters are mainly used for machining flat surfaces, steps, grooves, forming surfaces and cutting workpieces on the milling machines.

◆Flat End Mill

Material: Tungsten Steel and Carbide-tipped	Material: carbide-tipped	Material: tungsten steel	Material: tungsten steel
Cutter Diameter: 1-20mm	Cutter Diameter: 1-20mm	Cutter Diameter: 1-20mm	Cutter Diameter: 0.2-0.9mm
Handle diameter: 3-20mm	Handle diameter: 3-20mm	Handle diameter: 4-20mm	Total Length: 50mm
Blade Length: 3-70mm	Blade Length: 3-70mm	Blade Length: 3-70mm	Processing Material Hardness: HRCs45°
Total Length: 100-150mm	Total Length: 100-150mm	Total Length: 100-150mm	Coating ? Yes
Helix Angle: 35°	Helix Angle: 45°	Helix Angle: 35°	
Processing Material Hardness: HRCs45°	Processing Material Hardness: HRCs45°	Processing Material Hardness: HRCs45°	
Number of Blade: 2	Number of Blade: 3	Number of Blade: 4	
Coating ? Yes	Coating ? Yes	Coating ? Yes	

◆Ball Nose End Mill

The ball nose end mill is a tool that is mounted on a milling machine for a variety of curved and circular grooves.

Suitable for milling materials: die steel, cast iron, carbon steel, alloy steel, tool steel, general iron;

Resistance to elevated temperatures: maintain the maximum cutting temperature of 450-550/500-600 degrees Celsius.



Specifications

Material: High speed steel / surface hardened high speed steel
Blade Length: 0.4-18mm
Cutter Diameter: R0.2-R6.0mm
Handle diameter: 4-16mm
Total Length: 50-150mm
Number of Blade: 2/4

◆Keyway End Mill

Keyway cutter is mainly used for processing keyway and slot, and keyway cutter is useful for keyseats.



Specifications

Material: High speed steel
Diameter: 3-20mm
Helix Angle: 20°
Blade Length: 24mm
Total Length: 70mm

◆Roughing End Mill

Roughing End Mill, a rotary tool that use for a roughing machining on milling, has one or more teeth.



Specifications

Material: Tungsten steel, high speed steel
Blade Length: 10-45mm
Blade Diameter: 4-20mm
Handle diameter: 5-20mm
Total Length: 50-150mm
Number of Slots: 2/3/4
Coating: TiCN coating, TiN coating, TiAlN nano super hard coating, uncoated.

Features

Suitable for rough machining.
High efficiency in processing.
A great performance in chip removal.
A large chip removal load.
A high rate of metal removal.

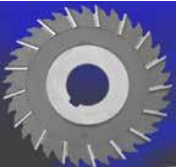

Application: used for slot processing, woodworking cutter, step surface processing.

◆Three-edge Milling Cutter

Features:

All the three cutting edges possesses clearance angles, what makes it possible for the milling cutter to cut easily with its sharp cutting edge.
Three-edge milling cutter is a standard cutter of machine tool.

It is often used on the horizontal milling machine to mill grooves and steps.

	
Staggered Tooth Three-edge Milling Cutter	Straight Tooth Three-edge Milling Cutter
It is used to process deep grooves.	It is used to mill fixed size shallow flute, common slot, step surface as well as side-smooth processing.
Material: high speed steel	Material: high speed steel
Diameter:100-160mm	Diameter:50-160mm
Aperture:16mm/22mm/27mm/32mm	Aperture:16mm/22mm/27mm/32mm
Number of Teeth:16	Number of Teeth:12/14/16/18/20
Customizable	Customizable

◆Saw Blade Milling Cutter



Specification

External Diameter: 20-315mm
Aperture: 5-40mm
Thickness: 0.2-0.6mm
Number of Teeth: Coarse teeth/medium teeth/fine teeth
Way of Teeth Punching: Gear milling/gear grinding
Type of Shape: Sharp teeth/circle-arc teeth/staggered teeth
Saw Blade Surface Processing: Natural/Nitrided/Titanizing
Material: M42/M35/W6/W9/W5

Application

It is mainly used to process or cut off the narrow and deep grooves which is made of iron, aluminum, copper and other middle hard metal materials. What's more, this milling cutter is able to be used for milling on plastic, wooden or other non-metallic material.
Superhard material saw blade milling cutter and carbide-tipped saw blade are primarily used to mill hard cutting materials (such as heat-resistant steel, stainless steel and other high tension steel).

◆T-slot End Mill/T-slot cutter

Category: Taper Shank T-slot Cutter and Straight Shank T-slot Cutter

Application: Used for processing a variety of mechanical countertops or T-slots on other machine.

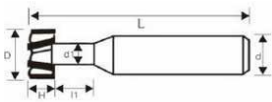
Features and Precision:

T-slot cutter is a professional tool for T-slot process.

It can mill T-slot up to the standard of precision in one time after milling the straight flute.

The end of the cutter blade possesses suitable cutting angle.

With oblique teeth and staggered teeth, the cutting teeth can make stable cutting and small cutting force.

						
Straight Shank T-slot End Mill						
Specification:						
Outer diameter(D)	Blades high(H)	Head diameter (d ₁)	Head diameter (d)	Shank diameter (d)	Full length (L)	Number of teeth (T)
16	6/8/10/12	7	15	12	100	4
20	6/8/10/12	10	15	12	100	4
25	6/8/10/12	13	15	16	120	6
30	6/8/10/12	15	15	16	120	6
32	6/8/10/12	15	15	16	120	6
35	6/8/10/12	15	15	16	120	6
40	6/8/10/12	21	15	25	140	6
45	6/8/10/12	23	15	25	140	6
50	8/10/12	24.5	15	25	140	8
60	8/10/12	30	20	32	140	10

				
Taper Shank T-slot End Mill				
Specification:				
Basic size	Outer diameter(D)	Morse conic	Full length (L)	Number of teeth (T)
12	21	2	98	8
14	25	2	103	8
16	29	2	105	8
18	32	2	111	8
20	35	3	130	10
22	40	3	138	10
24	42	3	140	10
28	50	3	173	10

SMT Nozzle

Model:Yamaha KV7-M7790-A0X 69A/69# Apply mechanical: smt chip mounter 	Model:JUKI 502/40001340 Apply mechanical: SMT chip mounter 	Model:SONY AF12082F1 Apply mechanical: smt chip mounter 
Model: Hitachi PV01 Apply mechanical: smt chip mounter 	Model: Panasonic round hole 1.0 NOZZLE Apply mechanical: smt chip mounter 	Model:Sony AF60400 Apply mechanical:SMT chip mounter 
Model: CASIO H31 H31 H2 H06 H07 Apply mechanical: CASIO chip mounter 	Model: Casio NP1/NP2/NP7 Apply mechanical: CASIO chip mounter 	Model: SUZUKI R1 R2 R3 C1 C13 C15 Apply mechanical: chip mounter 
Model: Panasonic CM82 3216 Apply mechanical:CM82 	Model: Hitachi HA04 Apply mechanical: Hitachi 	Model: Fuji IP3 Apply mechanical: Fuji chip mounter 
Model:Sony AB25200 Apply mechanical:SONY 	Model: CASIO H32 H31 H2 H06 H7 H07 H81 Apply mechanical: CASIO chip mounter 	Model:Philips CPL3 CPL4 O2 4720 4700 Apply mechanical: Philips chip mounter 

Filter Sponge

Model Number: Panasonic BM123 / MSF Applicable machinery: Panasonic BM placement machine 	Model Number: Panasonic 1023710012 Applicable machinery: Panasonic placement machine 	Model Number: Panasonic CM88 Applicable machinery: CM88 
Model Number: Fuji GGPH3020 Applicable machinery: Fuji 	Model Number: Fuji MPH5050 Applicable machinery: FUJI CP4 	Model Number: SONY1100 F130 Applicable machinery: SONY placement 
Model Number: FX-1 (metal filter cotton) Applicable machinery: JUKI / heavymachine 	Model Number: Fuji / Fuji WPH2030WPH0930 Applicable machinery: FUJI placement machine 	Model Number: Fuji XH00120 FUJI NXT H08 Applicable machinery: Fuji NXT H08 
Model Number: Panasonic 1046719117 Applicable machinery: Panasonic MSR filter cotton 	Model Number: Panasonic NPM filter cotton Applicable machinery: Panasonic NPM 	Model Number: DCPH0630 FUJI CP7 bracket filter cotton Applicable machinery: FUJI CP7 
Model Number: Hitachi / Hitachi6301718392-1 Applicable machinery: Hitachi 6301718392-1 	Model Number: Panasonic 1045908018MPAG3 / MPAVIB Applicable machinery: Panasonic 	Model Number: Panasonic / Panasonic NPM filter cotton Applicable machinery: Panasonic NPM 
Model Number: Panasonic UNIVERSAL GSM 	Model Number: Panasonic / Panasonic CM202 Applicable machinery: Panasonic CM202 / CM201 	Model Number: SAMSUNG CP40 

Sole Cleaner

The sole cleaning machine adopts crawler, roller brush structure technology and circulating water cleaning sole mode, which can not only ensure the cleaning effect but also produce extremely low energy consumption.

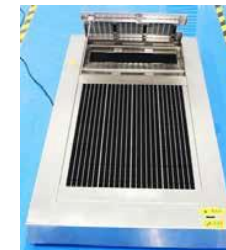
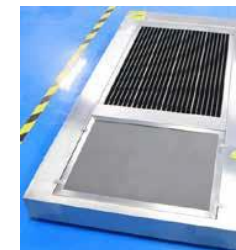
Applicable: suitable for installation in the dust free workshop, purification workshop entrance or purification work area wind shower room.

Working principle

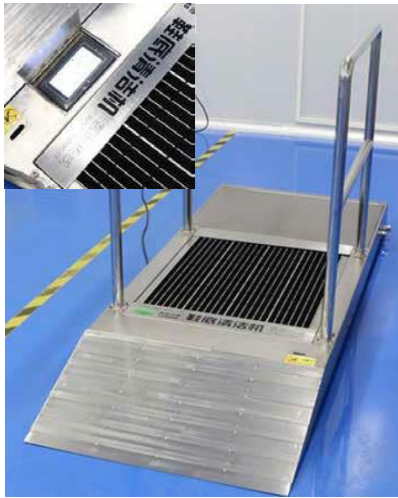
1. Use the motor to drive the shaft body under the brush bar to make the brush rotate clockwise to create friction with the sole to achieve the function of cleaning the sole.
2. Spray the brush with clean water through the electric pump, and clean the stains on the brush to achieve circular cleaning effect.
3. Drain the sole with a polymer sponge.
4. All the stains are discharged from the other side of the water outlet along the current direction, and the larger ones are blocked by the slag basket.

◆Crawler sole cleaning machine

	Type:CLW-T08	Type:CLW-T13	Type:CLW-T18
Overall dimensions (mm)	850*560*130	Overall dimensions (mm) 1300*760*130	Overall dimensions (mm) 1800*760*130
Cleaning area size (mm)	480*390	Cleaning area size (mm) 860*570	Cleaning area size (mm) 1200*570
Dry area size (mm)	260*390	Dry area size (mm) 410*570	Dry area size (mm) 410*570
Work induction switch	Automatic induction	Automatic induction	Automatic induction
Water absorbing pad material	PVA/PU sponge	Water absorbing pad material PVA/PU sponge	Water absorbing pad material PVA/PU sponge
Water temperature	0 ~ 40°C	Water temperature 0 ~ 40°C	Water temperature 0 ~ 40°C
Water tank capacity	7L	Water tank capacity 15L	Water tank capacity 22L
Drainage way	Automatic/manual	Drainage way Automatic/manual	Drainage way Automatic/manual
Motor power	120W	Motor power 140W	Motor power 140W
Pump power	15W	Pump power 30W	Pump power 30W
Pump voltage	220V	Pump voltage 220V	Pump voltage 220V
Working current	1.5A	Working current 1.5A	Working current 1.5A
Safety protection	Overload/leakage protection	Safety protection Overload/leakage protection	Safety protection Overload/leakage protection
Brush rotation speed	10m/min	Brush rotation speed 10m/min	Brush rotation speed 10m/min
Motion noise	<60db	Motion noise <60db	Motion noise <60db
Main body material	SUS304	Main body material SUS304	Main body material SUS304
Largest bearing	150KG	220KG	Largest bearing 400KG
Weight	40KG	Weight 70KG	Weight 90KG



◆Crawler sole cleaning machine (display screen)



Type:T13P	
Overall dimensions (mm)	1300*760*130
Cleaning area size (mm)	860*570
Dry area size (mm)	410*570
Work induction switch	Automatic induction
Water absorbing pad material	PVA/PU sponge
Water temperature	0 ~ 40°C
Water tank capacity	15L
Drainage way	Automatic/manual
Motor power	140W
Pump power	30W
Pump voltage	220V
Working current	1.5A
Safety protection	Overload/leakage protection
Motion noise	<-80db
Main body material	SUS304
Largest bearing	220KG
Weight	70KG

◆Roller sole cleaning machine



Type:CLW-B18	
Overall dimensions (mm)	1000*760*150
Cleaning area size (mm)	530*550
Dry area size (mm)	400*550
Work induction switch	Automatic induction
Sole cleaning mode	Roller wash
Water absorbing pad material	PVA/PU sponge
Water temperature	0 ~ 40°C
Water tank capacity	16L
Drainage way	Automatic/manual
Motor power	140W
Pump power	30W
Pump voltage	220V
Working current	1.5A
Safety protection	Overload/leakage protection
Motion noise	<-80db
Main body material	SUS304
Largest bearing	300KG
Weight	40KG

Safety Shoes

Safety shoes are the general term for safety shoes and protective shoes. They generally refer to shoes that are worn in different workplaces to protect the feet and legs from foreseeable injuries.

◆White safety shoes

Base material: double density polyurethane injection molding	
Material: white super fiber	
Function: anti-crash	
Customizable: antistatic/puncture	
Size: 35-46 code	

◆Black/blue safety shoes

Base material: double density polyurethane injection molding	
Material: imported high quality frosted/crushed cowhide	
Function: anti-crash	
Customizable: antistatic/puncture	
Size: 35-46 code	

◆Safety shoes (with long tube)

Base material: double density polyurethane injection molding
Material: high quality super fiber and anti-static polyester filament 40cm blue/white
Function: anti-crash
Customizable: antistatic/puncture
Size: 35-46 code



THANK YOU