



KINGRAY LAND

Edge and Accuracy





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INTRODUCTION TO KINGRAYLAND

Shenzhen Kingray Land Technology Co.,Ltd. is a high-tech enterprise which engaged in agent,selling and technical service of comprehensive PCB consumables.Aiming at providing high-accuracy electrical material products to PCB industry.Since its establishment it has built long term strategical relationship with overseas brand PCB manufacturers.

Our catalogue covers brush series,filter series,film series,plastic series,lab consumable material,pin series,packing material series.These 7 categories have a wide range of over 100 kinds of products that are used by PCB and other industry.

We believe on the basis value of “find the perfect balance between quality,price and speed”,being customer-centered and market demand-oriented,we can be always devoted to help our customers to win their customers and markets in PCB industry.



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Vision



We are devoted to becoming your one-stop service for PCB Consumables, carried out by our team of experts



Mission



To keep providing you cutting-edge and accurate product with handsome cost and implement your global business strategy



Values



We aim to find the perfect balance between quality, price and speed, bringing you consistent value



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BRUSH SERIES

We introduce Japanese supplier who have technology research and development of manufacturing ceramic brush, The products are suitable for multiple technological process include removal tapehole and grinding resin by PCB; reduced copper etc. The advantage of the products is excellent quality, strong grinding power, timely delivery etc

Ceramic Brush Roll

Features:

Provide super grinding power, can be grinding all kinds of resin ink and hooking resin, can keep surface leveling of baseboard ; removal protrusion , no bad performance like hole falling , uneven grinding , scuffing etc. can be remain stable quality

Application:

1. permanent buried via resin grinding removal
2. line structure of uniformity grinding for layer insulation resin
3. soluble resin grinding
4. copper scale grinding after electroplating
5. removal coated grinding after oxide treatment
6. burrs grinding after tapping
7. surface grinding of ceramic and stainless steel

Model:

Grit/Mesh: 320# 400# 600# 800# 1000# 1220# 1500#





BRUSH SERIES

High Shearing Force&Shrimp Non-woven Brush

Features:irradiation type

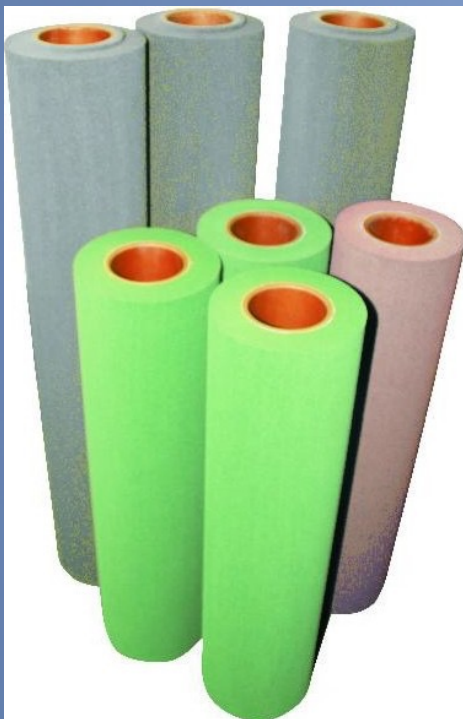
Brush wheel containing four characteristics which is High temperature resistant resin; compressive resistance; abrasion resistance and good elasticity. Brush wheel hardness can divided into threetypes: H (Very hard), L (Hard) , M (Generally). Brush wheel have long life and good grinding quality, has already accepted and used by the all customer of the PCB industry

Application:

- 1,excess taphole ink removal
- 2,leveling laminatingresin
- 3,decrease and remove the copper slag & copper scrap when finished electroplating
- 4,remove surface scale after oxide treatment
- 5,deburring after drilling
- 6,removal the PP resin point on the steel after lamination

Model:

Grit/Mesh:320# 400# 600# 800# 1000# 1200# 1500# 2000#





BRUSH SERIES

PU/PVA/PVC Absorbent Sponge

Features:

Brightness & spotless surface without air vent, good flexibility, it can absorb as 5-10 times weight of water as themselves.

Specifications:(mm)

| OD | LENGTH | ID |
|-----|----------|----|
| 40 | 650 | 16 |
| 45 | 610 | 16 |
| 50 | 650 | 20 |
| 55 | 300-1500 | 20 |
| 60 | 300-1500 | 20 |
| 65 | 300-2500 | 20 |
| 75 | 700 | 20 |
| 100 | 300-3000 | 25 |





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FILTER SERIES

Features:

This filter was made of PP yarn by weaving around the multi-hole, framework, which control the density of the filter layer weaved, and shape of the filter hole so as to possess high filtering pressure, with small diameter, excellent deep filtering effect and the suspended obstacle in the liquid can be removed.

Accuracy Range: 0.5-100 μ m

Length: 10", 20", 30", 40"

Filter Cartridge



PP Filter



Features:

This filter was made of PP yarn by weaving around the multi-layer framework, which achieves different filter with different filtering precision by controlling the density of the filtering layer and shape of the filtering hole. The wrap filter does have excellent filtering pressure with filtering holes inside small and outside big which remove the suspended obstacle in the liquid effectively.

Specification:

10", 20", 30", 40"

Range of Accuracy: 1 μ m-100 μ m

ties from the surface of products of industry such as electronics, semi-conductor, LCD and, PCB and etc.



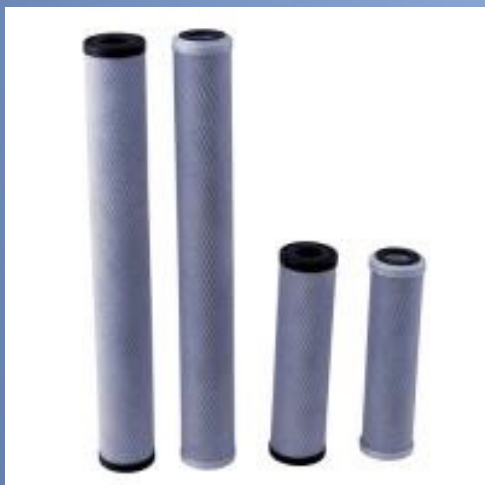
FILTER SERIES

Activated Carbon Filter

Application: Used to pre-filter drinking water; pre-filter RO osmosis ; industrial water ,electronics and electroplating liquid's filtering and decoloration; air purification treatment

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Specification: Length: 10"、20"、 30"



Carbon Filter



Application: It is used to filter pure water、petrochemical、medical and pharmaceutical、food、beverage and any other industries.

Features: The product is made of activated carbon fibers carrier, which has good absorbability and can adsorb organic substance、heavy metal ion and charged ion in the liquid.

Specification: Length: 10"、20"

OD: 64mm±1mm

Accuracy: 5μm、10μm

Specification: Length: 10"、20"

OD: 64mm±1mm

Accuracy: 5μm、10μm



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FILTER SERIES

Features:

- 1, Membrane filter cartridge is made from macromolecule material, structure including microporous membrane filter, support layer, shell and sealing ring;
- 2, Large filtering area, high efficiency, can effectively reduce the cost; But many times back flush, sterilization
- 3, International common interface forms: horizontal pressure type, snap-in type, insert type.

Specification:

- 1, Accuracy: $0.15\mu\text{m}$ 、 $0.22\mu\text{m}$ 、 $0.3\mu\text{m}$ 、 $0.45\mu\text{m}$ 、 $0.65\mu\text{m}$ 、 $0.8\mu\text{m}$ 、 $1.0\mu\text{m}$ 、 $3.0\mu\text{m}$ 、 $5.0\mu\text{m}$ 、 $10\mu\text{m}$ 、 $20\mu\text{m}$ 、 $30\mu\text{m}$ 、 $50\mu\text{m}$;
- 2、outer diameter: $\Phi 70\text{mm}$;
- 3、inner diameter: $\Phi 28\text{mm}$;
- 4、length: 10"、20"、30"、40"



Membrane Filter

Anode Bag



Application:

It is commonly used in PCB plating and metal plating anodes filter to prevent leakage into the mud bath in the anodes.

Features:

Made of polypropylene & silk cloth, high strength, acid-proof and alkali resistance, abrasion resistance, steady and good quality, long life span and pollution-free, can prevent the mud in the positive pole from leaking out. polypropylene heat resistance $<120^{\circ}\text{C}$



FILTER SERIES

Titanium Anode Bar

Description:

Titanium Anode mesh Basket with coating

Product Description

1. Grade: GR1, GR2, Gr3 And other grade as your request
2. Standard: ASTM B265
3. Processing: Punching or pulling
4. Type: Square or round or triangle
5. Technique: Hot Rolled
6. Specification: Thickness: 0.5-1.5mm
Width: 100-1.2mm Length: 500-2000mm

Other info:

Grade: Gr1, Gr2, Gr3, Gr5, Gr7

Standard: ASTM B265, F136, F67, AMS 4928



We also can make the Titanium net basket as your requests; There are many different kinds of the sizes and shapes, so we will do according to the requirements!



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FILM SERIES



Film Protection Coverlay

- It is used to provide against scratch and chemical injuries when film is used.



Release Film

- Used for lamination FPC when separated
- Used as PCB inner partitions



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CLEANING SERIES

Features:

It is made of low density polyethylene with an intensity grade lengthening coefficient of above 250%, and a viscosity of 100-1200g/ 25 mm, which is easy to fold and free of pollution, easy to peel off, with strong viscosity and durability.

Specification:

24"×36"、24"×26"、18"×36"、
18"×45"、31"×35"、
26"×45"(30 layers /pieces)

Sticky Mat



Application Area:

PCB , FPC , LCD processing, LGF, flexible precision printing, glass cleaning manufacturing, SMT, dust free room, electronic semi-conductor processing, etc.

Specifications:

Different depends on different specifications and models.

Anti-Static Dust Removal Roller

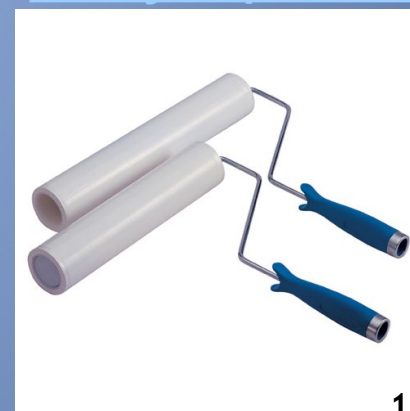


Features:

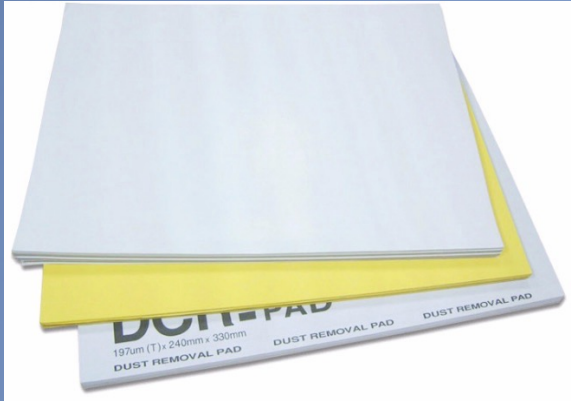
A sticky paper roll consists mainly of a PE substrate with polyacrylate adhesive. And in addition, the sticky film is provided with a pre-cutting line which is convenient for use and does not incur any outer matters.

Specification: 6"、12"

Sticky Paper Roll



CLEANING SERIES



Dust-adhesive Book

Features:

The surface is smooth with a granularity below 2um. It can effectively stick hair, scurf, dust and any other impurities so as to remove the foreign bodies easily.

Specification:

330 mm × 240 mm × 50 //layers
(PVC.WHITE YELLOW PRINTED
BACK AVAILABLE)



Sticky Roller

Application:

It is applicable to remove the impurities from the surface of products of industry such as electronics , semi-conductor ,LCD and , PCB and etc.

Specification:

650、620mm×20m



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CLEANING SERIES

Features:

normally made of special fiber (polyester). It has high water absorption with high flexibility, no wear is caused to and no besmirch or water marks remain on the surface when used.

Specification:

4" x4" 、 6" x6" 、
9" x9" 、 12" x12"

Dust-free Clothes



Features:

It has a pure composition and strong liquid absorption with a splendid dynamic wiping efficiency (98.3%) and static particles removal capability (99.3% of each 10 thousand particles). Dust-free paper has anti-static function and super strong anti-solubility.

Specification:

4" x4" 、 6" x6" 、
9" x9" 、 12" x12"

Dust-free Paper



CLEANING SERIES

ESD PU Palm Coated Glove



Application:

These PU gloves are particularly good for the precise work, inspection, processing food, laboratory, agriculture, gardening, assembling, Micro Electronics, Assembly packing Automotive, chemical processing, examination, handling seals, metal treatment, oil refining, paint manufacturing, petrochemical, varnish manufacturing, etc.

Specification:

S/M/L or customized

Other specification gloves available as well



PLASTIC SERIES

Polyester Film Tape

FeaturesOther Tapes Series :

- 1.Initial bonding strength and adhesion is excellent;
 - 2.No warp and no adhesive move for long term;
 - 3.Various color available
- As surface protection for metal materials during high temperature powder painting and coating process

OTHER TAPE SERIES :

PET GREEN TAPE

PVC TAPE

ALUMINUM TAPE

MASKING TAPE





PLASTIC SERIES

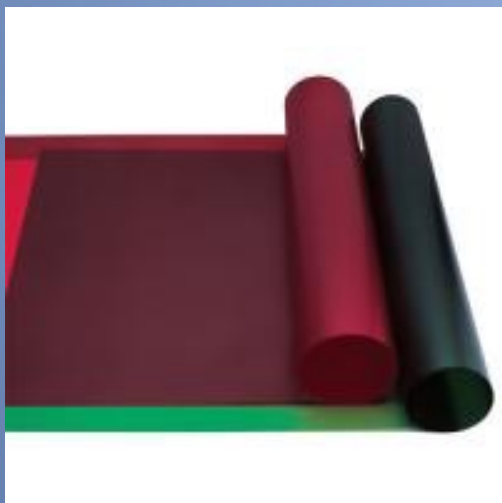
Features:

This product is used to locate the hole position of the board in hole-drilling, which has the characteristic of comparative crimple resistance, heat resistance, difficulty burning & out of shape.

Specification: 24''*48''*0.25mm

Dimension(mm) a×b: 24Φ×48' ×0.25mm

Red / Blue Plastic Card for In hole-drilling Positioning



Plastic Card



Features: This PCB slip sheet are exclusively designed for printed circuit board, it is used to separate the board so as to avoid scratching, damaging or quality going bad.

Tolerance: +2/-1mm

Dimension(mm) a×b×1:

It can be tailor-made according to customer's requirements, such as color and size.



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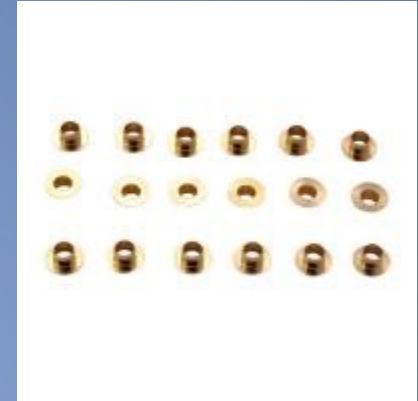
PIN SERIES



Positioning Pin



Silk Screen Copper Pin



Standoff Rivet Pin



Single/double-sided Guide Pin

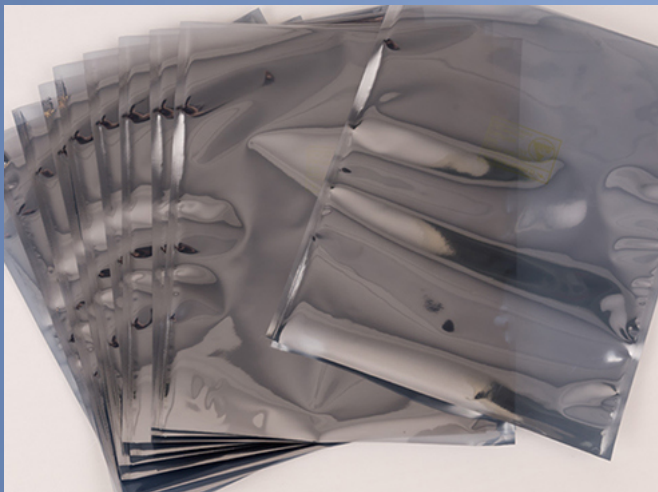


Piercing Pin



Exposure Pin

Moisture Barrier Bag



Features:

Moisture-proof bag, vacuum bag is laminated with four single layers, PET/AL/NY/PE. it is widely used in vacuum packing of static sensitive electronic components such as PCB, WAFER, CHIPS, REELS in SMT industry etc. For chemical raw material and medical intermediate packing, it is undoubtedly a very good choice. Various bag shapes can be produced such as open-end bag, zip-lock bag, upright bag, organ bag and so on.

Application:

PC board, Electronic component modem, CD-driver, IC integrated circuit, hardisk, electronic equipment, sophisticated hardware, auto parts, etc



PACKING MATERIAL SERIES

Humidity Indicating Card



Features:

Humidity indicator card is a convenient and economical humidity detection products, it can monitoring environment humidity to those which need mould proof and anti-oxidation items, such as most of the electronic components, precision optical components, and other high-end electronics, instruments and equipment, PCB circuit board industry, etc.

Specification:

| | Emulsion in dry condition | Emulsion in wet condition |
|-----------------------------------|---------------------------|---------------------------|
| With cobalt (standard film) | Blue | Pink |
| Without cobalt (standard film) | Brown | Sea blue |
| Without cobalt coated | Yellow | Water color |



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CONTACT US



Address: Room 1704, Tower B, Xing He Ming Ju, Fumin Road, Futian District, Shenzhen, Guangdong, China



+86-138-7593-6810



www.kingrayland.com



viola@kingrayland.com





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We Look Forward to Welcoming You!

Shenzhen Kingray Land Technology Co.,Ltd.