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SHANGHAI LEENOL INDUSTRIAL CO.,LD ESD TOTAL SOLUTION

2025版

Leenol®

ESD Control Solution

ESD Products

Petrochemical Industry ,Aerospace Industry,Food Industry ,
Electronic Industry,Biopharming Industry,Automobile Industry



SHANGHAI LEENOL INDUSTRIAL CO., LTD

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ABOUT US

LEENOL is a "Total Solution" company to fulfill ESD requirements for factories and labs. LEENOL's product range covers LeeRack™ Handling Storage ESD Equipments, LeePak™ Packing Material, LeeBench™ Factory and Lab Furniture, LeePPE™ Personal Protection, LeePur™ Cleanroom Product and LeeStat™ Testing Equipment and Tools etc. Such as ESD Magazine Racks, ESD Trolley, Tote box, Packing Bags, and Shielding Film, ESD Workbench with Table Mats, ESD Chairs, ESD Clothes, Shoes, ESD Masks, Cleanroom Wiper. We are agent of ESD Ionizing Equipments, ESD Inspector and Testers, and so on. More than 200 types products are provided to customer request.

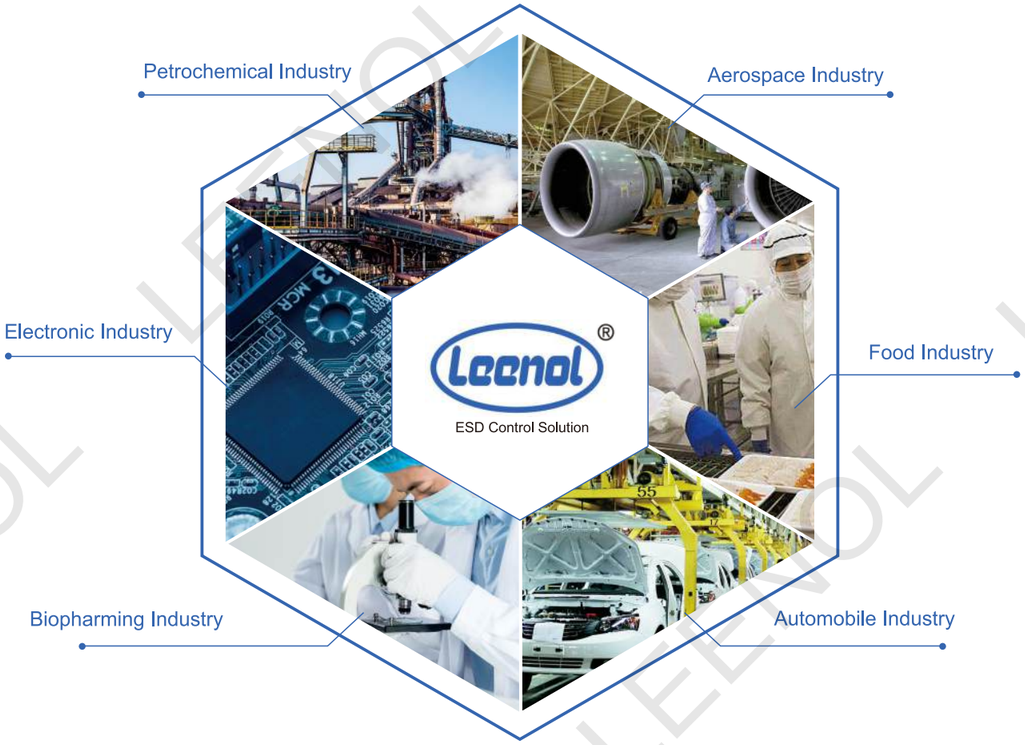
LEENOL has its market office based in Shanghai city, including the International Trade Department with importing and exporting right. Our customers are widely distributed in Southeast Asia, Europe, Americas and Middle East etc. LEENOL has its manufacturing bases in Shanghai and Zhejiang Province, and also have many cooperative OEM enterprises in China. High Quality products are well accepted by global customers and end users.

LEENOL's products are made in accordance with IEC61340-5-1and ANSI / ESD -20.20, and are strictly produced according to ISO 9001 system, SGS and ROHS standards. And LEENOL could also provide user designed products with high quality and short lead time.

We are also sincerely looking for global distributors and partners. We hope to make win-win success and grow together with you.



LEENOL PRODUCT APPLICATION



CERTIFICATE











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LeeRack™

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ESD Bins



- Molding Injection
- Material: PP compound.
- Usage: to store and transportation electronics components, PCBs, and so on.
- Surface resistance: 10^3-10^9 Ω
- ESD corrugated divider can be matched inside.
- Corrugated cover or molded cover is available to prevent dust.
- It can print LOGO, stacking.
- Below size for reference. More size please contact us.

Model	Ext.dim.mm (L×W×H)	Int.dim.mm (L×W×H)	Model	Ext.dim.mm (L×W×H)	Int.dim.mm (L×W×H)
*LN-1526132	615*430*320	580*395*310	*LN-1525342	530*380*420	465*345*410
*LN-1526125	615*430*250	580*395*245	*LN-1525328	530*380*285	465*345*275
*LN-1526120	615*430*200	580*395*195	*LN-1525323	530*380*230	465*345*220
*LN-1526115	615*430*150	580*395*145	*LN-1525316	530*380*165	465*345*160
*LN-1526540	600*500*400	560*460*390	*LN-1525312	530*380*125	465*345*120
*LN-1526535	600*500*355	560*460*350	*LN-1524328	400*300*280	365*265*275
*LN-1526530	600*500*305	560*460*300	*LN-1524323	400*300*230	365*265*220
*LN-1526525	600*500*255	560*460*250	*LN-1524317	400*300*170	365*265*165
*LN-1526516	600*500*160	560*460*155	*LN-1524315	400*300*148	365*265*135
*LN-1526445	600*400*450	565*363*440	*LN-1524312	400*300*120	365*265*115
*LN-1526440	600*400*400	565*363*390	LN-1523215	300*200*148	265*165*135
*LN-1526434	600*400*340	565*365*330	LN-1523212	300*200*120	265*165*115
*LN-1526428	600*400*280	565*365*270	LN-1526941	690*485*410	650*450*400
*LN-1526423	600*400*230	565*365*220	LN-1527418	700*450*180	665*415*170
*LN-1526417	600*400*170	565*365*160	LN-1527423	700*450*230	665*415*220
*LN-1526415	600*400*148	565*365*137	LN-1526544	650*440*350	610*400*340
*LN-1526412	600*400*120	565*365*110	LN-1526640	660*400*165	620*365*160
*LN-1525438	545*425*380	510*390*370	LN-1525426	540*415*260	500*380*250
*LN-1525430	545*425*305	510*390*300	LN-1522107	480*350*175	440*320*165
*LN-1525424	545*425*240	510*390*230	LN-1524215	420*310*150	380*280*145
*LN-1525415	545*425*150	510*390*145	LN-1523613	360*270*135	320*240*125

Model	Ext.dim.mm (L×W×H)	Int.dim.mm (L×W×H)	Model	Ext.dim.mm (L×W×H)	Int.dim.mm (L×W×H)
LN-1525030	500*310*300	465*270*290	LN-1524822	480*355*220	445*318*210
LN-1522150	510*345*185	464*300*175	LN-1524832	480*355*320	445*318*310
LN-1522132	720*560*380	680*515*370	LN-1522136	560*430*145	515*350*140
LN-1522131	720*450*180	680*420*175	LN-1522134	615*430*120	555*373*118
*LN-1522127	580*368*200	535*345*195	LN-1522137	585*405*175	538*360*170
*LN-1522128	580*368*165	535*345*155	LN-1522138	530*370*205	490*330*200
LN-1522101	155*105*55	135*85*50	LN-1522103	255*175*75	220*160*70
LN-1522102	205*135*65	180*120*60	LN-1522104	300*205*90	270*185*80
LN-1522106	380*240*105	340*220*90	*LN-1522119	610*500*400	560*460*390

ESD/Conductive Lid Cover Size Chart

Model	Size(mm)	Model
LN-1524635	465*350*15	LN-1524928/4922/4916/4912
LN-1525839	580*390*15	LN-1526132/6125/6120/6115/2119
LN-1526050	600*500*15	LN-1526540/6535/6530/6525/6516
LN-1526040	565*365*15	LN-1526434/6428/6423/6417/6415/6412
LN-1525139	510*390*15	LN-1525438/5430/5424/5415
LN-1524030	400*300*10	LN-1524328/4323/4317/4315/4312
LN-1523002	550*370*25	LN-1525111/5101/5102/5103/5112
LN-1523010	655*450*20	LN-1525114/5115



ESD Tray Size Chart

Model	Ext.dim.mm (L×W×H)	Int.dim.mm (L×W×H)	Model	Ext.dim.mm (L×W×H)	Int.dim.mm (L×W×H)
LN-1522108	450*300*60	430*280*50	LN-1522135	615*420*95	570*370*90
LN-1522108A	450*300*45	430*280*38	LN-1522140	226*166*29	214*154*25
LN-1522118	440*290*50	400*265*45	LN-1522141	289*195*26	274*183*23
LN-1522121	375*250*65	345*225*60	LN-1522142	315*290*29	136*58*20
LN-1522122	440*295*80	410*265*75	LN-1522144	375*308*30	360*294*23
LN-1522123	560*375*75	525*330*70	LN-1522145	530*365*43	510*350*33
LN-1522126	315*230*43	300*215*37	LN-1522146	350*260*35	315*230*30
LN-1522133	480*328*42	445*292*35	LN-1524435	440*353*50	410*320*45



ESD Component Box Size Chart

Model	Contour Size (mm)	Inner Size (mm)	Type	Model	Contour Size (mm)	Inner Size (mm)	Type
No.1	95*105*50	80*95*40	Hanging	H1	104*104*49	88*87*40	Hanging
No.2	165*95*70	148*86*60	Hanging	H2	140*122*68	125*109*65	Hanging
No.3	175*105*80	158*95*70	Hanging	H3	180*121*79	150*100*76	Vertical
No.4	200*130*90	180*113*80	Hanging	H4	253*155*125	210*132*115	Vertical
No.5	223*155*120	215*140*112	Hanging	H5	352*201*143	303*175*135	Vertical
No.8	400*117*90	360*92*80	8 grids Can be divided				
No.9	400*235*90	360*210*80					
NO.12	500*235*140	460*205*135	9 grids Can be divided				
NO.13	600*235*140	560*205*135	11 grids Can be divided				



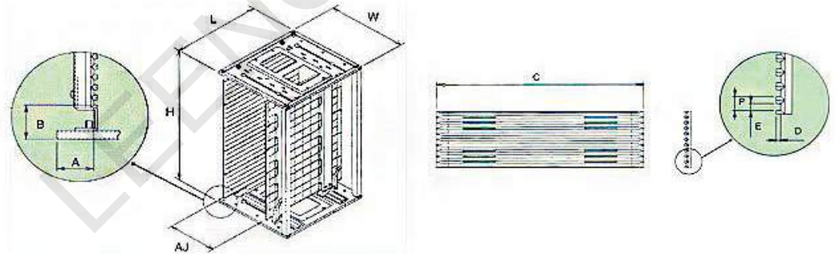
Conductive Foldable Plastic Box

Model	Ext.dim.mm (L×W×H)	Int.dim.mm (L×W×H)	Model	Ext.dim.mm (L×W×H)	Int.dim.mm (L×W×H)
*LN-1526434Z	600*400*340	565*365*330	*LN-1525111	541*365*190	496*331*170
*LN-1526428Z	600*400*280	565*365*270	*LN-1525101	541*366*250	496*331*230
*LN-1526423Z	600*400*230	565*365*220	*LN-1525102	541*366*295	496*331*275
*LN-1526415Z	600*400*148	565*365*137	*LN-1525103	541*366*325	496*331*305
*LN-1525112	541*366*375	496*331*355	LN-1525108	540*423*303	495*395*280
LN-1525107	540*423*421	495*395*392	LN-1525106	607*495*303	558*458*280
LN-1525109	607*495*404	558*458*383	*LN-1525114	647*443*280	602*408*260
LN-1525113	540*423*250	495*395*240	*LN-1525115	647*443*345	602*408*335



ESD SMT Magazine Rack

- Smooth-Width adjustment using our patented rack & pinion system.
- ESD Safe plastic card guides, 50 slots.
- Heat-resistant card guides for board temperature up to 200°C.
- Compatible with all brands of equipment.
- Leenol Rack is RoHS compliance.



型号 Model No.	#1 底板 Base	#2 调节方式 AJ Method	#3 温度 Temp	外径 Outer Dimension				侧板插槽 Card Guide				参考位置 Ref. Position		槽数 Slots	重量 Wight (kg)
				L	W	H	AJ	C	D	E	P	A	B		
LN-A801	P	Screw Adjust.	80°C	355	315	580	80-250	353	4.3	7.3	10	34	34	50	5
LN-A802	P	Screw Adjust.	80°C	355	315	305	80-250	353	3.5	7.0	10	34	35.5	25	3.4
LN-B803	M	Screw/ Gear Track	80°C	355	320	563	50-250	353	3.4	5.0	10	34	34	50	5
LN-B803HT	M	Screw/ Gear Track	120°C	355	320	563	50-250	353	3.4	5.0	10	34	34	50	5
LN-B803HT200	M	Screw/ Gear Track	200°C	355	320	563	50-250	353	3.4	5.0	10	34	34	50	6
LN-B804	P	Gear Track	80°C	355	320	563	50-250	353	3.4	5.0	10	34	34	50	4.5
LN-B804HT	P	Gear Track	120°C	355	320	563	50-250	353	3.4	5.0	10	34	34	50	4.5
LN-B805	M	Screw/ Gear Track	80°C	355	320	563	50-250	353	3.2	7.2	10	34	34	50	6.5
LN-B805HT	M	Screw/ Gear Track	120°C	355	320	563	50-250	353	3.2	7.2	10	34	34	50	6.5
LN-B806	P	Gear Track	80°C	355	320	563	50-250	353	3.2	7.2	10	34	34	50	6.0
LN-B806HT	P	Gear Track	120°C	355	320	563	50-250	353	3.2	7.2	10	34	34	50	6.0
LN-C807	M	Screw/ Gear Track	80°C	460	400	563	50-330	460	3.4	5.0	10	34	34	50	8.0
LN-C807HT	M	Screw/ Gear Track	120°C	460	400	563	50-330	460	3.4	5.0	10	34	34	50	8.0
LN-C807HT200	M	Screw/ Gear Track	200°C	460	400	563	50-330	460	3.4	5.0	10	34	34	50	9.8
LN-C815	M	Screw/ Gear Track	80°C	400	320	563	50-250	400	3.0	5.0	10	34	34	50	6.0
LN-D808	M	Screw/ Gear Track	80°C	535	460	570	50-390	530	3.5	5.0	10	34	37	50	10.5
LN-D808HT	M	Screw/ Gear Track	120°C	535	460	570	50-390	530	3.5	5.0	10	34	37	50	10.5
LN-E809	M	Screw/ Gear Track	80°C	535	530	570	50-460	530	3.5	5.0	10	34	38	50	12.0
LN-E809HT	M	Screw/ Gear Track	120°C	535	530	570	50-460	530	3.5	5.0	10	34	38	50	12.0
LN-F810	M	Screw Adjust.	80°C	630	530	570	50-460	630	3.5	7.1	10	34	37	50	13.0
LN-B811	P	Chain Track	80°C	355	320	560	50-250	353	5.0	3.4	10	34	34	50	6.0
LN-B814	M	Screw/ Gear Track	550°C	355	320	563	80-250	355	3.4	7.3	10	34	34	50	6.8

- #1 “M” 代表 “金属底板” ， “P” 代表 “塑料底板 “。
- #2 “AJ” 标示宽度是齿轮调节或者螺丝调节。
- #1 "M" designates "Metal Base". "P" designates "Plastic Base" .
- #2 "AJ" designates the method of adjusting the width using a screw or with gear adjust system.

ESD SMT Magazine Rack



LN-A801 LN-A802

- Surface Resistance: 10^3 - $10^9\Omega$
- Contour Size (L×W×H)mm: 355×315×580
- 50pcs of Plates can be stored
- The specification of PCB plates: 355×(80 - 250)mm
- Guide slot of side plate: Depth 3.5mm, Width 7mm, Pitch 10mm
- Top and bottom Base is plastic base.
- Fix method: screw adjustable
- Weight: 5.0KG
- 355x315x305mm size magazine rack is available (LN-A802).



LN-B803

- Surface Resistance: 10^3 - $10^9\Omega$
- Contour Size(L×W×H)mm: 355×320×563
- 50pcs of Plates can be stored
- The specification of PCB plates: 355×(50 - 250)mm
- Guide slot of side plate: Depth 3mm, Width 5.5mm, Pitch 10mm
- Top and bottom Base is metal base.
- Fix method: screw or gear track adjustable
- Side plate: five pieces assembled
- Weight: 5.0KG



LN-B804 New Type LN-B804 Old Type

- Surface Resistance: 10^3-$10^9\Omega$
- Contour Size(L×W×H)mm: 355×320×563
- 50pcs of Plates can be stored
- The specification of PCB plates: 355×(50 - 250)mm
- Guide slot of side plate: Depth 3mm, Width 5.5mm, Pitch 10mm
- Top and bottom Base is plastic base.
- Fix method: gear track adjustable
- Side plate: five pieces assembled
- Weight: 4.5KG

ESD SMT Magazine Rack



LN-B805

- Surface Resistance: 10^3 - $10^9\Omega$
- Contour Size(L×W×H)mm: 355×320×563
- 50pcs of Plates can be stored
- The specification of PCB plates: 355×(50 - 250)mm
- Guide slot of side plate: Depth 3mm, Width 5.5mm, Pitch 10mm
- Top and bottom Base is metal base.
- Fix method: screw/gear track adjustable
- Side plate: whole plates
- Weight: 6.5KG



LN-B806

- Surface Resistance: 10^3 - $10^9\Omega$
- Contour Size(L×W×H)mm: 355×320×563
- 50pcs of Plates can be stored
- The specification of PCB plates: 355×(50 - 250)mm
- Guide slot of side plate: Depth 3mm, Width 5.5mm,Pitch 10mm
- Top and bottom Base is plastic base.
- Fix method: gear track adjustable
- Side plate: whole plates
- Weight: 6.0KG



LN-C807

- Surface Resistance: 10^3 - $10^9\Omega$
- Contour Size(L×W×H)mm: 460×400×563
- 50pcs of Plates can be stored
- The specification of PCB plates: 460×(50 - 330)mm
- Guide slot of side plate: Depth 4mm, Width 5.5mm, Pitch 10mm
- Top and bottom Base is metal base.
- Fix method: screw or gear track adjustable
- Side plate: five pieces assembled
- Weight: 8.0KG
- Aluminum alloy material side plate is available(LN C817)

ESD SMT Magazine Rack



LN-D808

- Surface Resistance: 10^3 - $10^9\Omega$
- Contour Size(L×W×H)mm: 535×460×570
- 50pcs of Plates can be stored
- The specification of PCB plates: 535×(50 - 390)mm
- Guide slot of side plate: Depth 4mm, Width 5.5mm, Pitch 10mm
- Top and bottom Base is metal base.
  Fix method: screw or gear track adjustable
- Side plate: five pieces assembled
- Weight: 10.5KG
- Aluminum alloy material side plate is available (LN-D818)



LN-E809

- Surface Resistance: 10^3 - $10^9\Omega$
- Contour Size(L×W×H)mm: 535×530×570
- 50pcs of Plates can be stored
- The specification of PCB plates: 535×(50-460)mm
- Guide slot of side plate: Depth 4mm, Width 5.5mm, Pitch 10mm
- Top and bottom Base is metal base.
  Fix method: screw or gear track adjustable
- Side plate: five pieces assembled
- Weight: 12.0KG



LN-F810

- Surface Resistance: 10^3 - $10^9\Omega$
- Contour Size(L×W×H)mm: 630×530×570
- 50pcs of Plates can be stored
- The specification of PCB plates: 630×(50-460)mm
- Guide slot of side plate: Depth 3.5mm, Width 6.5mm, Pitch 10mm
- Top and bottom Base is metal base.
  Fix method: screw adjustable
- Side plate: two pieces assembled
- Weight: 13KG

ESD SMT Magazine Rack



LN-B814

- Aluminum alloy SMT Magazine Rack
- Contour Size(L×W×H)mm: 355×320×563
- 50pcs of Plates can be stored
- The specification of PCB plates: 355×(80 - 250)mm
- Guide slot of side plate: Depth 3.0mm, Width 8mm, Pitch 10mm
- Top and bottom Base is metal base.
  Fix method: screw/gear track adjustable
- Side plate: five pieces assembled
- Weight: 6.8KG



LN-C815

- Surface Resistance: 10^3 - $10^9\Omega$
- Contour Size(L×W×H)mm:400×320×563
- 50pcs of Plates can be stored
- The specification of PCB plates: 400×(50 - 250)mm
- Guide slot of side plate: Depth 3mm, Width 5.5mm, Pitch 10mm
- Top and bottom Base is metal base.
  Fix method: screw or gear track adjustable
- Side plate: five pieces assembled
- Weight: 6.0KG



LN-D838

- Surface resistance :10^3-$10^9\Omega$。
- Dimensions :(L*W*H)mm: 535*460*570mm
- Can put 50 PCBS.
- Applicable PCB board size 535*(50-390)mm
- Side plate guide groove: Depth 3.5mm, width 7.5mm pitch 10mm
- The upper and lower plates are metal plates
- Fixing method: belt adjustment
- Side panel: all aluminum alloy
- With 2-side H-block

ESD SMT Magazine Rack



LN-D823

- Surface Resistance: 10^3-$10^9\Omega$
- Contour Size(L×W×H)mm: 355*320*563
- 50pcs of Plates can be stored
- The specification of PCB plates: 355×(50-250)mm
- Guide slot of side plate: Depth 3.5mm, Width 5.0mm, Pitch 10mm
- Top and bottom Base is metal base.
- Fix method: Belt Adjustable
- Side plate: two pieces assembled



LN-D827

- Surface Resistance: 10^3-$10^9\Omega$
- Contour Size(L×W×H)mm:460*400*563.
- 50pcs of Plates can be stored
- The specification of PCB plates: 460×(50-330)mm
- Guide slot of side plate: Depth 4mm, Width 5.0mm, Pitch 10mm
- Top and bottom Base is metal base.
- Fix method: Belt Adjustable
- Side plate: two pieces assembled



LN-D828

- Surface Resistance: 10^3-$10^9\Omega$
- Contour Size(L×W×H)mm:535*460*570.
- 50pcs of Plates can be stored
- The specification of PCB plates: 535×(50-390)mm
- Guide slot of side plate: Depth 4mm, Width 5.0mm, Pitch 10mm
- Top and bottom Base is metal base.
- Fix method: Belt Adjustable

ESD SMT Magazine Rack



LN-E829

- Surface resistance :10^3-$10^9\Omega_{\circ}$
- Contour Size(L×W×H)mm: 535×530×570
- 50pcs of Plates can be stored
- The specification of PCB plates: 535×(50-460)mm
- Guide slot of side plate: Depth 3.5mm, Width 5.0mm, Pitch 10mm
- Top and bottom Base is metal base.
- Fix method: Belt Adjustable
- Side plate: two pieces assembled



LN-B803Q

- Surface resistance :10^4-$10^9\Omega_{\circ}$
- Size: 355*320*563mm
- It can put 50pcs PCBs.
- Slot depth: 3.4mm, Slot width: 5.0mm, pitch: 10mm
- Gear Track Adjustable
- Quick adjustable PCB Width
- With 2pcs movable Spring Stopper on Fixed Side plate

Remark: *All regular models can modify into Q series Quick Adjustable Type.

Model No.	#1 Base	#2 AJ Method	#3 Temp	Outer Dimension				Card Guide				Ref Position		Slots
				L	W	H	AJ	C	D	E	P	A	B	
LN-B823	M	Belt Adjustable	80°C	355	320	563	50-250	353	3.4	5.0	10	34	34	50
LN-C827	M	Belt Adjustable	80°C	460	400	570	50-330	460	3.4	5.0	10	34	34	50
LN-D828	M	Belt Adjustable	80°C	535	460	570	50-390	535	3.5	5.0	10	34	34	50
LN-E829	M	Belt Adiustable	80°C	535	530	570	50-460	535	3.5	5.0	10	34	34	50
LN-D838	M	Belt Adjustable	80°C	535	460	570	50-390	535	3.4	7.3	10	34	34	50
LN-B803Q	M	Gear Track	80°C	355	320	563	50-250	353	3.4	5.0	10	34	34	50
LN-C807Q	M	Gear Track	80°C	460	400	570	50-330	460	3.4	5.0	10	34	34	50
LN-D808Q	M	Gear Track	80°C	535	460	570	50-390	530	3.5	5.0	10	34	37	50
LN-E809Q	M	Gear Track	80°C	535	530	570	120-460	530	3.5	5.0	10	34	38	50
LN-F810Q	M	Gear Track	80°C	630	530	570	50-460	630	3.5	7.1	10	34	37	50

ESD Circulation Rack



LN-1530C03

ESD Component Drawer Box

- Surface Resistance:10^4-$10^9\Omega$
- Contour Size: 138x93x46mm
- Interior Size: 127x87x42mm
- Shape: Drawer type Combination

ESD Insert-rack

- Surface Resistance: 10^4 - $10^9\Omega$
- Contour Size: 100x15x14mm
- Width: 2.2mm, 1.8mm



LN-1530C04



LN-1530D01

Anti-static Circulation Rack

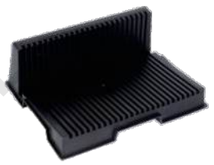
- Surface Resistance:10^4-$10^9\Omega$
- Contour Size: 410x280x165mm
- Use Slot Size: (LxH) 225x140mm
- 38pcs PCB can be stored
- Slot width: 2.8mm, depth:5mm
  Pitch: 10mm



LN-1530D02

Anti-static Circulation Rack

- Surface Resistance:10^4-$10^9\Omega$
- Contour Size: 480x140x35mm
- Slot one: 2.2 x 4mm Slot two: 3x7mm
  Slot three: 3x7.2mm Pitch: 15mm
- Two side can be used, each kind of slot can put 25pcs PCB



LN-1530D03

Anti-static Circulation Rack

- Surface Resistance:10^4-$10^9\Omega$
- Contour Size: 265x205x95mm
- Use Slot Size: (LxH) 155x75mm
- Width 3.2mm, Depth 5mm, Pitch 9mm
- 25pcs PCB can be stored
- Other size can be provided
  LN-1530D03-2 355x268x128m
  LN-1530D03-3 270x205x130m



LN-1530D04

Anti-static Circulation Rack

- Surface Resistance:10^4-$10^9\Omega$
- Contour Size: 410x140x22mm
- Slot Size: 2.8*5mm, pitch: 10mm
- 42pcs PCB can be stored

LN-1530D04-280
Contour Size: 410x280x22mm

ESD Circulation Rack



LN-1530D05

Anti-static Circulation Rack

- Surface Resistance:10^4-$10^9\Omega$
- Contour Size: 437x160x30mm
- Slot size: 3x7mm Pitch:16mm
- 25pcs PCB can be stored

Anti-static Circulation Rack

- Surface Resistance:10^4-$10^9\Omega$
- Contour Size: 485x175x50mm
- Slot size: 3x7mm ,
  Slot size: 2.2x4mm
- Pitch:16mm
- 25pcs PCB can be stored



LN-1530D07



LN-1530D08

Conductive Pallet

- Surface Resistance:10^3-$10^9\Omega$
- Contour Size: 1200x1000x145mm
- Material: HDPE/PP
- Dynamic Load: 800kgs
  Static Load: 2000kgs

Anti-static Circulation Rack

- Surface Resistance:10^4-$10^9\Omega$
- Size: (50-350) x175x355mm
- Slot Width: 3.7mm, Depth: 4.2mm, Pitch 10mm, Slot qty: 32
- Any specification can be ordered

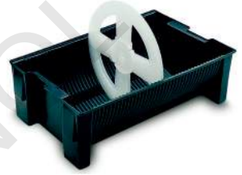


LN-1530D09

SMT reel box tray



LN-1530D10



LN-1530D11



LN-1530D12

Model No.	Size	Reel Dia.	Reel QTY	Surface Resistance
LN-1530D10	410 x 190 x 110mm	170-180mm	26pcs	10^4-$10^9\Omega$
LN-1530D11	450 x 190 x 110mm	170-180mm	30pcs	
LN-1530D12	550 x 350 x 175mm	330-340mm	33pcs	

ESD Circulation Trolley, Cart



LN-1530601



LN-1530602

Model	LN-1530601	LN-1530602
Surface Resistance	10^4—$10^9\Omega$	
Load Capacity	100kgs (200kgs option available)	
Contour Size	660×480mm/720×520mm	Can be customized



LN-1530603A



LN-1530603C



LN-1530604

Model	LN-1530603A	LN-1530603C	LN-1530604A	LN-1530604B
Size	900×550×1260mm/900×620×1300mm		950×675×1300mm	900×450×1300mm
Flashboard Width	350mm/460mm		515mm	280/350mm
Slot width	5mm		5mm	
Depth	4mm		5mm	
Pitch	10mm		19mm	
Slot NO./row	100		60/120	50/100
Side plate structure	4pcs panel joined		One whole piece side plate	
Adj. method	Handle adjustable	Screw adjustable	Handle adjustable	
Remark	Volume resistance: 10^6-$10^9\Omega$, Any size can be customized according to customer request. adding double flashboard, it can insert more PCBs.			



LN-1530605

Model	**LN-1530605**
Contour Size	950×600×1400mm/950×600×1590mm
Surface Resistance	10^4—$10^9\Omega$
Storing Qty of LN-1530D01	16pcs/20pcs/24pcs
Remark	Any specification can be customized

ESD WIRE SHELF

Model	LN-1530608
Raw Material	Carbon Steel: Q195-F# Stainless Steel: 202# /304#
Surface Treatment	Electroplate /Electrolytic



Wire Diameter

- A: Φ4.0mm ~ Φ7.0mm, Normal Dia.: Φ6.0mm
- B: Φ4.0mm ~ Φ7.0mm, Normal Dia.: Φ6.0mm
- C: Φ2.5mm ~ Φ4.7mm, Normal Dia.: Φ3.0mm
- D: Φ3.0mm ~ Φ6.0mm, Normal Dia.: Φ4.5mm

Products

- Structure can be DIY and free installation. It can use space better and free as you need.
- Can be easily assembling even without any tools and expertise.

Wire Shelf Type



Industrial Wire Shelf



Single Peak Shelf



Double Peak Shelf

Industrial Wire Shelf Size

Width (mm)	Length (mm)	Chrome-plated Wire Shelves	Stainless Steel Wire Shelves	Width (mm)	Length (mm)	Chrome-plated Wire Shelves	Stainless Steel Wire Shelves
350	600	C 1424	S 1424	530	900	C 2136	S 2136
	750	C 1430	S 1430		1050	C 2142	S 2142
	900	C 1436	S 1436		1200	C 2148	S 2148
	1050	C 1442	S 1442		1500	C 2160	S 2160
	1200	C 1448	S 1448		1800	C 2172	S 2172
	1500	C 1460	S 1460	600	600	C 2424	S 2424
	1800	C 1472	S 1472		750	C 2430	S 2430
450	600	C 1824	S 1824		900	C 2436	S 2436
	750	C 1830	S 1830		1050	C 2442	S 2442
	900	C 1836	S 1836		1200	C 2448	S 2448
	1050	C 1842	S 1842		1500	C 2460	S 2460
	1200	C 1848	S 1848		1800	C 2472	S 2472
	1500	C 1860	S 1860	750	900	C 3036	-
	1800	C 1872	S 1872		1200	C 3048	-
530	600	C 2124	S 2124		1500	C 3060	-
	750	C 2130	S 2130		1800	C 3072	-

Single/Double Peak Wire Shelf Size	
450mm*900mm	450mm*1200mm

Assemble Instructions



Optional Accessory



Pad Collar Wheels N type Handle U type Handle

ESD WIRE SHELF TROLLEY



LN-1530606A

(L) / (W)	24″	26″	36″	42″	48″
14″	350×600	350×750	350×900	350×1050	350×1200
18″	450×600	450×750	450×900	450×1050	450×1200
21″	530×600	530×750	530×900	530×1050	530×1200
24″	600×600	600×750	600×900	600×1050	600×1200
(H)	940mm				



LN-1530607

(L) / (W)	24″	30″	36″	42″	48″
14″	350×600	350×750	350×900	350×1050	350×1200
18″	450×600	450×750	450×900	450×1050	450×1200
21″	530×600	530×750	530×900	530×1050	530×1200
24″	600×600	600×750	600×900	600×1050	600×1200
(H)	600-2200mm				



LN-1530609

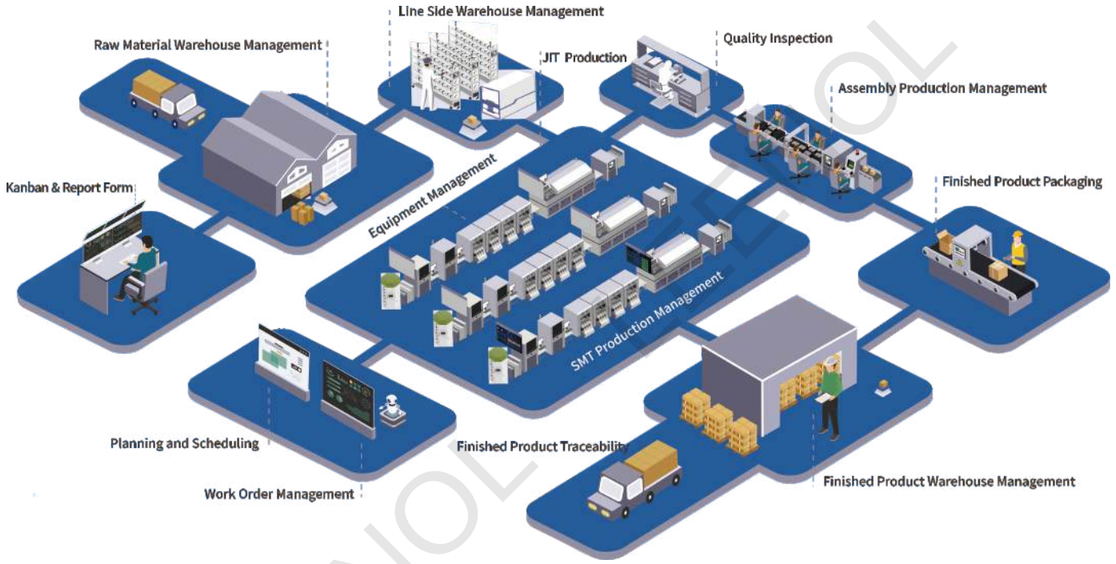
Item	Size (mm)	Line Space(mm)
Single Peak	450×900	50
	450×1200	50
Double Peak	450×900	20
	450×1200	20
(Height)	940mm	



LN-1530610

- ESD trolley for trays, suit for store and transport trays.
- Size can be customized according to tray size.

INTELLIGENT MANUFACTURING SOLUTION



SMT INTELLIGENT ELECTRONIC RACK

Intelligent Material Rack for 7inch Reels

● 7 layers of doub le-s ided storage, each layer has 200 standard storage pos it ions, and each group has 1400 standard storage pos it ions ;
● The standard storage space is 16mm wide, the storage space barrier can be inserted and removed, and the storage space width can be adjusted;
● The storage position is multi-color LED aluminum alloy lamp group can be quickly plugged and unplugged;





Multicolor storage intelligent lamp(Red, yellow, green, blue, pink, white)



Non-contact collimated grating detection

MODEL	RACK-G3-SMDS-ST-A7
Applicable Tray	7 inch thick plate material
Storage Quantity	1400 standard storage positions/inner width 16 mm
Shelf Weight	100KG
Shelf Load	100KG/ layer
Length	2096*380*1940mm
Storey Lights	Smart bus multi-color lights, supporting 7 colors
Induction Mode	Non-contact mutual photoelectricity
Take The Height of The Top Layer	1787mm
Storage Compartment Partition	Flexible design, can be plugged and unplugged to adjust the width of the storage space
Protect The Fins	Protective fins are optional for vacuum packaging materials
Working Voltage	DC 24V
Power Rating	0.1KW
Network	Uplink network cable communication, downlink 485 communication.
Operational Environment	Humidity 40-70% temperature 20-28℃

SMT INTELLIGENT ELECTRONIC RACK

Intelligent Material Rack for 13inch Reels

● 5 layers of single - sided storage, each layer has 50-100 standard storage positions, and each group has a total of 250-500 standard storage positions ;
● The standard storage space is 16mm wide, the storage space barrier can be inserted and removed, and the storage space width can be adjusted;
● The storage unit is a multi-color LED aluminum alloy lamp group that can be quickly plugged and unplugged.
● The overall material is 4040 industrial aluminum profile frame + aluminum prof intelligent lamp group + stainless steel wire grille/ Plug-in adjustment to store the inner width of the whole
● Scan type/pairing induction is optional





Multicolor storage intelligent lamp(Red, yellow, green, blue, pink, white)



Non-contact collimated grating detection

MODEL	RACK-G3-SMDS-ST-B5
Applicable Tray	13 inch plate material of various thicknesses
Storage Quantity	500 standard storage positions with an inner width of 16mm
Shelf Weight	100KG
Shelf Load	100KG/ layer
Length	2096*380*1940mm
Storey Lights	Smart bus multi-color lights, supporting 7 colors
Induction Mode	Non-contact mutual photoelectricity
Take The Height of The Top Layer	1619mm
Storage Compartment Partition	Flexible design, can be plugged and unplugged to adjust the width of the storage space
Protect The Fins	Protective fins are optional for vacuum packaging materials
Working Voltage	DC 24V
Power Rating	0.1KW
Network	Uplink network cable communication, downlink 485 communication.
Operational Environment	Humidity 40-70% temperature 20-28℃

SMT INTELLIGENT ELECTRONIC RACK

Intelligent Material Rack for 15inch Reels

● 4 layers of single-sided storage, each layer has 50-100 standard storage positions, and each group has a total of 200-400 standard storage positions ;
● The standard storage space is 16mm wide, the storage space barrier can be inserted and removed, and the storage space width can be adjusted ;
● The storage position is multi-color LED aluminum alloy lamp group can be quickly p lugged and unplugged;
● The overall material is 4040 industrial aluminum profile frame + aluminum profile intelligent lamp group + stainless steel wire grille/ Plug-in adjustment to store the inner width of the whole





Multicolor storage intelligent lamp(Red, yellow, green, blue, pink, white)



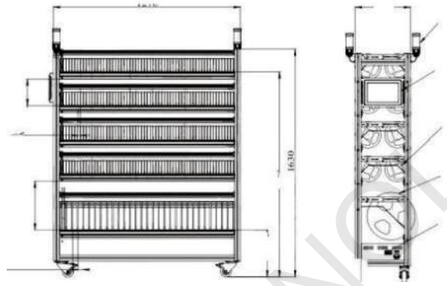
Non-contact collimated grating detection

MODEL	RACK-G3-SMDS-ST-C4
Applicable Tray	15 inch plate material of various thicknesses
Storage Quantity	400 standard storage positions/inner width 16mm
Shelf Weight	100KG
Shelf Load	100KG/ layer
Length	2096*380*1940mm
Storey Lights	Smart bus multi-color lights, supporting 7 colors
Induction Mode	Non-contact mutual photoelectricity
Take The Height of The Top Layer	1619mm
Storage Compartment Partition	Flexible design, can be plugged and unplugged to adjust the width of the storage space
Protect The Fins	Protective fins are optional for vacuum packaging materials
Working Voltage	DC 24V
Power Rating	0.1KW
Network	Uplink network cable communication, downlink 485 communication.
Operational Environment	Humidity 40-70% temperature 20-28℃

SMT INTELLIGENT ELECTRONIC RACK

Intelligent Movable Material Storage Cart

- The material truck can choose wire less controller and 10-inch Android touch tab let computer, which supports WiFi and Bluetooth communication ;
- Comes with a 24 V20 Ah lithium battery to power tab lets and smart lighting units
- 4 brake casters for easy movement;
- Layers 1~4 are 7-inch double-sided storage with 120 standard storage slots per layer;
- The fifth layer is 13/15 inch single-sided storage, with 60 standard storage locations per layer ;
- The 6th layer is the battery layer, which is generally used for batteries, and the other half can be used for some irregular materials or other;
- The standard storage space is 16mm wide, the storage space barrier can be inserted and removed, and the storage space width can be adjusted;
- Scan type/ irradiation sensing type is optional



MODEL	RACK-G3-SMDSC
Applicable Tray	7-15 inch trays/tray plates/irregular materials, support customization
Storage Quantity	540 standard storage positions with an inner width of 16mm and customization support
Shelf Weight	80KG
Shelf Load	100KG/ layer
Length	1296*380*1680mm
Storey Lights	Smart bus multi-color lights, supporting 7 colors
Induction Mode	Non-contact mutual photoelectricity
Take The Height of The Top Layer	1500mm
Storage Compartment Partition	Flexible design, can be plugged and unplugged to adjust the width of the storage space
Protect The Fins	Protective fins are optional for vacuum packaging materials
Working Voltage	DC 24V
Power Rating	0.1KW
Network	Uplink network cable communication, downlink 485 communication.
Operational Environment	Humidity 40-70% temperature 20-28℃

INTELLIGENT ELECTRONIC DRY CABINET

SELECTION INSTRUCTIONS

Model	Reel category	Number of layers	Location/ layer	Total storage capacity
Type A	7"reel	8	40	320
Type B	1 3"reel	4	20	80
Type C (Mixed reel type)	7"reel	4	40	192
	1 3"reel	1	20	
	Tray	2	6	

PRODUCT PARAMETERS

Voltage	220V
Current	3.6A
Power consumption	800W
Movement	3
Humidity range	1%-10%RH
Humidity accuracy	±2.5%RH
Temperature accuracy	±2℃
main structure	cold rolled plate



SMT INTELLIGENT STENCIL CABINET

SMD Intelligent ight-guided Stencil Rack is a product of Yoraysmart Control's Tera intelligent equipment brand. It follows Yoraysmart Control's exquisite and outstanding industrial design, combined with ultra-high-quality component materials, and hopes to provide you with extraordinary products! SMD intelligent equipment is an intelligent storage equipment specially designed for the SMT industry. By installing intelligent lighting guidance equipment on modular structural shelves, it provides accurate, fast and clear instructions for picking personnel, effectively improving work efficiency. efficiency and reduce error rates.



Product Model	Stencil Size	Thickness of Stencil	No.of Layer	Qty of Storage	Outbound Model
RACK-G3-STM-F-585*585-20-3	585*585	≤16mm	3	300	Photoelectric response
RACK-G3-STM-G-585*585-40-3	585*585	≤36mm	3	150	Photoelectric response
RACK-G3-STM-G-585*585-50-3	585*585	≤46mm	3	120	Photoelectric response
RACK-G3-STM-F-550*650-20-3	550*650	≤16mm	3	300	Photoelectric response
RACK-G3-STM-G-550*650-40-3	550*650	≤36mm	3	150	Photoelectric response
RACK-G3-STM-F-550*650-50-3	550*650	≤46mm	3	120	Photoelectric response
RACK-G3-STM-F-650*650-20-3	650*650	<16mm	3	300	Photoelectric response
RACK-G3-STM-G-650*650-40-3	650*650	≤36mm	3	150	Photoelectric response
RACK-G3-STM-F-650*650-50-3	650*650	≤46mm	3	120	Photoelectric response
RACK-G3-STM-F-736*736-20-2	736*736	≤16mm	2	200	Photoelectric response
RACK-G3-STM-G-736*736-40-2	736*736	≤36mm	2	100	Photoelectric response
RACKG3-STM-F-736*736-50-2	736*736	≤46mm	2	80	Photoelectric response

X-RAY INTELLIGENT COUNTING MACHINE

Equipment Overview

X-Ray intelligent material counting machine with SMT factories for the unused raw materials inventory and warehouse inventory on a regular basis, it can count four trays of materials at the same time, automatically scanning the code, to play the purpose of reducing the number of people and increase efficiency. X-Ray intelligent material counting machine can dock with the MES system according to the needs, so that the unused raw materials counting, material warehousing is more efficient, and more with the ability to data management. It would be widely used in EMS, ECM, home appliances, consumer electronics and other electronic manufacturing enterprises.

Strong Det Ection Performance

- Based on AI intelligent recognition algorithm, the detection accuracy is excellent, the accuracy of conventional device calculation reaches more than 99.99%, realizing full-automatic counting.
- Scanning code adopts Hikvision high-definition camera and self-developed intelligent algorithm, the accuracy reaches up to 99.9%.
- Detection speed is fast, and the fastest speed can be up to 8s.



Easy To Use

- Automatic statistical output of material counting data, support for interfacing with ERP, MES and WMS systems.
- Humanized software operation, guided menu structure, convenient foremployees to operate.
- Simple software interface, easy to operate Designed with reference toergonomics, seated operation, the monitor and the human eye level, to protect the cervical spine, large legroom, good comfort.

Strong Detection Adaptability

- High product compatibility, can be 7-15 inch trays / Jedec Tray / IC moisture sensitive packages and other materials for fast and accurate detection.
- Applicable to all kinds of SMD components above 01005.
- Material labeling error prevention mechanism, tray inductive identification，real-time docking with the printer, take any tray of material, it will print the tray of material information.

FULLY AND ACCURATELY SCAN WITH QR CODE

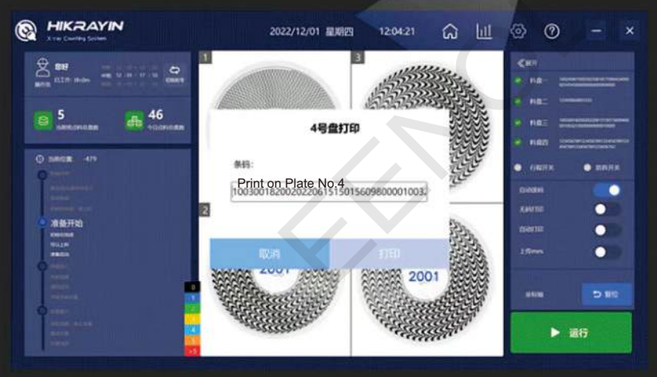
Scan Accuracy Rate > 99.9%

The scanning system adopts a fully automatic scanning method.
It is equipped with a 2000W scanning camera developed by Hikvision and uses AI scanning algorithm.
The scanning accuracy rate is > 99.9%. There is no blind spot detection at any position.



Auxiliary Scanning

For some specific scenarios, such as when the material labels are damaged or wrinkled, the Hikvision barcode scanner can be used for supplementary scanning.



HIGHER HARDWARE CONFIGURATION

Radiation source



Standardly equipped with a sealed radiation source. The light tube is maintenance-free and has a long service life; the tube voltage is 80kv, providing greater penetrating power.

Imaging is clearer



Using amorphous silicon detectors, it offers excellent 140um pixel resolution and outstanding detail resolution; imaging becomes clearer.

Imaging size is larger



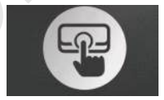
430mm * 430mm imaging size, a larger imaging size, compatible with 17-inch materials

24-inch touch screen



It features a 24-inch touch screen LCD display, with a larger screen for better viewing. The touch function eliminates the need for a keyboard and mouse, making it more convenient.

Touch-based startup



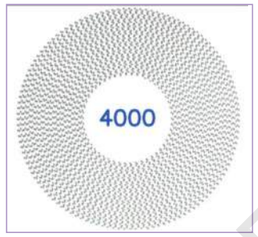
The material selection startup method uses a touch-based startup switch, which offers faster response and a better operation experience.

Greater storage area



Can hold 4 7-inch materials at the same time, and the maximum capacity is 17-inch material tray.

AI PRECISE COUNTING



Fully self-developed AI intelligent recognition algorithm

The detection accuracy is excellent. The calculation accuracy of conventional devices is ≥ 99.99%. It realizes fully automatic counting.

Not Afraid 0f Complex Material Scenarios

Suitable for complex scenarios involving irregular materials, long-shaped components, oversized components, and stuck components, etc.



AI PRECISE COUNTING

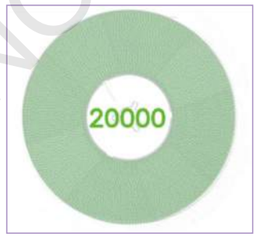


Both Bulk Material Laying And Winding Can Be Inspected.

Suitable for scenarios involving flat-batch materials and rolled-batch materials

01005 Package-type Devices

Applicable to 01005 package type devices



HIGH PRODUCT COMPATIBILITY



It can be applied to 7-17 inch trays, with tray heights ranging from 3 to 90 mm.



Jedec Tray materials



Materials with moisture-proof bags



01105 And above this, the surface mount components



Bulk materials(laid out flat -/wound up)
Material label error prevention mechanism

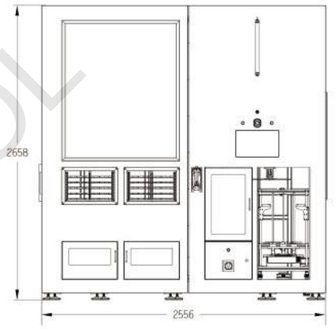
MATERIAL LABEL ERROR PREVENTION MECHANISM

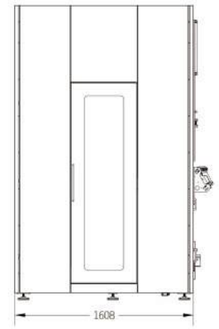
Material label error-proof mechanism, tray sensing recognition, real-time connection with the printer, printing the information of any tray of materials when taking out any tray of materials.



NESTS-SMD-CBM-A6B8-L6 DOUBLE EXTENSION HYBRID ELECTRONIC MATERIAL CABINET







PARAMETER NAME

PARAMETERNAME	NESTS-SMD-CBM-A6B8-L6 DOUBLE EXTENSION HYBRID ELECTRONIC MATERIAL CABINET
Dimensional Specifications	Length: 2556mm Width: 1608mm Height: 2658mm, support customization
Electrical Parameters	Voltage: AC220V, power: 1600W (MAX), optional UPS
Storage Capacity	7"12mm reels: 1500 reels, compatible with other thickness reels combination configurations. supports customization.
Throughput Capacity	Minimum 600 reels/hour, 6 seconds/reels
Access Duplex	Dual material caching mechanism (default skewer type)concurrent duplexing of material retrieval and storage
Recognition System	Machine vision recognition, deep self-learning optimization algorithm
Static Protection	Anti-static level: 106Q~109Q,system-level electrostatic protection
Humidity Sensitive Monitoring	Support online monitoring of temperature and humidity
Material Up And Down Mechanism	Automatic palletizing, automatic docking, automatic caching. Buffer capacity: 120 reels (7" 12mm reels)
AGV Automatic Docking	The material caching mechanism is automatically connected to the AGV. AGV positioning accuracy requirements:±10mm
System Interfaces	Standardized interfaces such as equipment infommation, storage location infommation, and operationinforation can be equipped with an optional WIS system to achieve seamless integration with ERP or ES.
Intelligent Operation And Maintenance	Real-time electronic control, accurate self-diagnosis of worn parts, support fault alarm, safe shutdown and automatic recovery. One-stop intelligent equipment operation and maintenance platform supports online equipmentmonitoring and operation and maintenance prediction.