



# One-Stop-Solution


to all ESD Control & Cleanroom Products

*Customizing Solutions for all Electrostatic Challenges !!!*

**Regd. Office**

 **Highstar Technology Private Limited**  
(Formerly Statclean Technology India Pvt Ltd)

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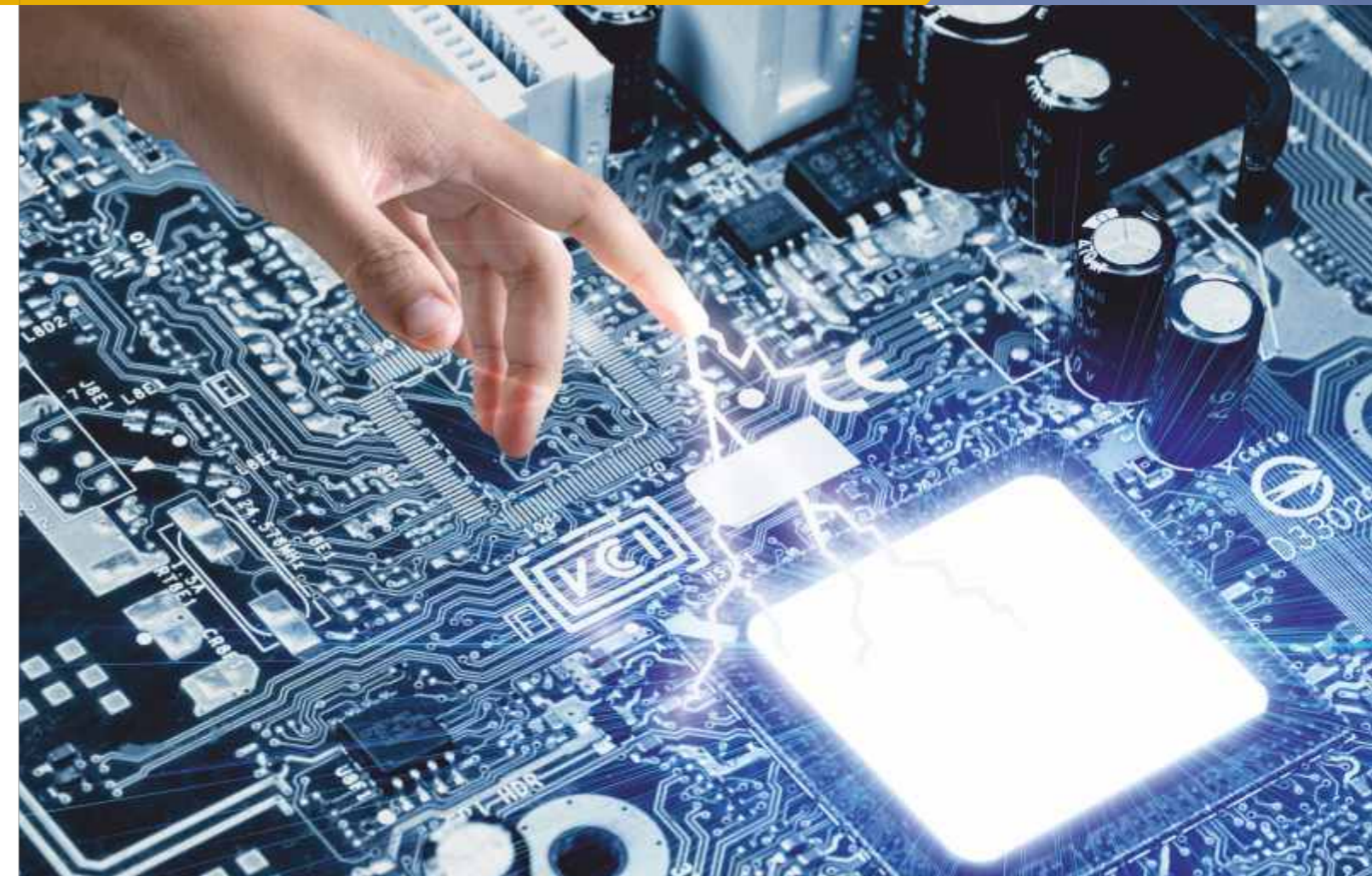
 **Branches: Chennai | Pune**



SCAN ME



 [www.highstartechnology.com](http://www.highstartechnology.com)





## Our Company

Since establishment in 2005, Highstar Technology has been recognised as the leading manufacturer & supplier of Electrostatic Discharge (ESD) Control & Clean Room products. These products for Hard Disk Drives, Semiconductor, Electronic Manufacturing facilities & Services, Space Applications, Avionics, Pharmaceutical, Medical Equipment manufacturing industries. Our consistent quality products provide peace of mind to all our customers.

## History

• **Founded 20th June 2005.**

• **Core Business**

Manufacturing & Supplies of ESD Control & Clean Room Products.

• **May 2007**

Awarded ISO 2001:9000

• **June 2008**

Chennai Branch Office

• **April 2010**

Started own production of ESD & Clean Room Apparels

• **April 2015**

Awarded ISO 9001:2015 & ISO14001:2015

Got exclusive Dealership for Alkon Plastics Pvt Ltd products for Karnataka

• **Jan 2019**

Pune Branch Office

• **Feb 2020**

Shifted to a bigger premises of 7500 Sq ft.

• **Dec 2020**

Company name changed to HIGHSTAR TECHNOLOGY PVT. LTD.



### Strength & Capabilities

With our expertise & experience we are capable of providing a total turnkey solution to set up ESD Control shopfloors & Clean Rooms. We also undertake ESD audits & trainings.

### Peace of Mind

We ensure that all outgoing goods are certified and accompanied by our own reports and conformance certificates. Certificates of quality assurance when required. With our ISO certifications customers are assured of traceability, accountability & reliability.

### Technology Driven

With our expertise in the field of ESD Control & Clean Rooms, we offer turnkey solutions to all our customers. The core management team having experience in the field for about 30 years. This has helped us to come nearer to most of the countries with exporting our products.

### Manufacturing Capabilities

With the new premises of additional 7500 sq.ft. area we are now capable of manufacturing ESD Work Stations, ESD Chairs etc. Future plans being to manufacture in-house ESD & Clean Room Packaging.

### Moving Forward

Highstar Technology will continue to enhance the quality of its products & services. We are committed to delivery cost effective solutions to our customers.

### Think Highstar Technology

We provide One Stop Solutions & Service to our customers worldwide.

## Corporate Mission and Strategic Goals

At Highstar Technology, we strive to uphold our corporate Vision and Mission statements while exhibiting the company's values in our everyday tasks.



### OUR VISION

Our Vision provides directions for all our undertakings.

We strive to remain a market leader in ESD Control & Cleanroom products by delivering state-of-the-art solutions & setting the industry standard for quality, security & value in intellectual services worldwide.

We exist in a market environment that is characterized by innovations and is subject to constant change.

This encourages us to continue to innovate, further developing and expanding our product and services range beyond the basic service.

We have grown as a company globally as a result of his continuous development.



### OUR VALUES

Integrity - Strive to do what is right and do what we say we will do.

Innovation - Apply the creative ingenuity necessary to make us better, faster, first.

Delivering Superior Results, Exceed expectations consistently.

Corporate Responsibility – Serve & Improve the communities in which we live.

Diversity – Embrace the diverse perspectives of all people and honour with both dignity and respect.



### CORE COMPETENCE

Extend support and assist customers in building a Total ESD Control Plan.

Explore, Study & Analyse the ESD related problems and effectively draw a fool proof, permanent solution.

Be ahead of technology, gain knowledge and share the same with customers.

Supply quality products on time as required by customers.



### OUR MISSION

Motivating people act like owners working together.

Exceeding customer expectations by always being first market with the best products.

Partnering with our customers to make sure that they succeed.

Demanding that everything we do leads to a cleaner, healthier & safer environment.



Everything we do at Highstar Technology is dedicated to two things.



## Quality Policy

**“ Excellence Through Quality Commitment”**

**“ We are committed to product Total Solutions of ESD Control, Clean Room products, Total Packaging Products to our Customers meeting their Quality Standards & their Delivery Schedules, with emphasis On continual improvement of the Quality Management System & Long Term Relationship To achieve Total Customer Satisfaction.”**

## Quality Objectives

**To minimise customer complaints not exceeding 12 cases per year.**

**To minimise incidents of late deliveries from supplies not exceeding 10% of Total shipments per year.**

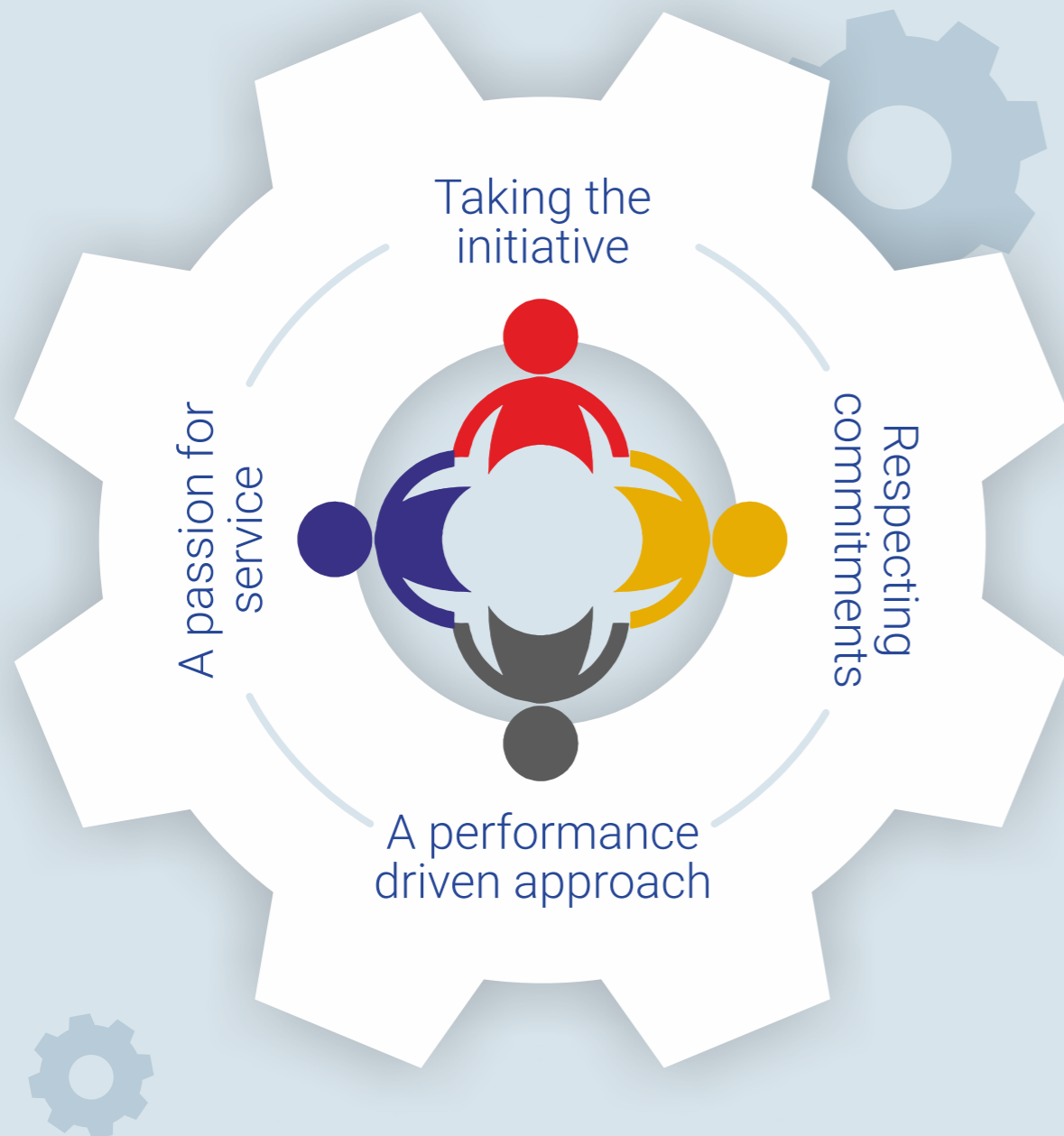
## Clientele

With our steady growth and commitment over the years, we pledge to serve our worldwide customers in the industry with excellent services and superior products.

### Our Worldwide Customers Include.

1. AMD
2. American Power Conversion
3. Aeronautical Development Establishment
4. Avalon Technologies
5. Astra Microwave
6. Ananth Technologies
7. Amararaja Electronics
8. Amararaj Batteries
9. Aasti Electronics
10. Alcatel Lucent
11. Bharat Electronics (Pan India)
12. B Braun Medical
13. Bhavya Banu Electronics
14. Celestica
15. Centum Electronics
16. Cypress Semiconductor
17. Cyient
18. C-DAC
19. C-DOT
20. Continental Automotive
21. CG Power
22. D-Link
23. Danlaw Electronics
24. Defence Research & Development Organisation
25. Delta Electronics
26. Dell
27. Electronics Corporation of India Ltd
28. Elcoteq
29. Flextronics
30. Foxconn
31. Foxteq
32. GE Health Care
33. GE Medical
34. GATEC
35. Hitachi Global Storage Technologies
36. HCL Group
37. Hella Automotive
38. Honeywell
39. Heuco Automotive
40. Hindustan Aeronautics Ltd
41. IBM
42. Indian Institute of Science
43. Indian Institute of Astrophysics
44. ISRO
45. India Nippon
46. Indic EMS
47. Incap CMS
48. Jabil Circuits
49. Juniper Networks
50. JCB
51. KOMAG
52. Krypton
53. KELTRON
54. Kaynes Technologies
55. Kenna Metal
56. LG Electronics
57. L & T group
58. Liard Technologies
59. Lenovo
60. LEOS
61. Matsushita
62. Motorola
63. Minda Group
64. Nokia
65. Nokia Siemens Networks Solutions
66. NASSCOM
67. National Dairy Development Board
68. Ordnance Factories
69. Pricol
70. Rossel Tech
71. R-Logic
72. Research Centre Imarat
73. Robert Bosch Engineering
74. Siemens
75. Sivantos
76. Schneider Group
77. Sanmina
78. Sunfiber Optics Group
79. SHAAR
80. Tyco
81. Tata Power
82. TCS
83. Titan
84. Tessolve
85. TE Connectivity
86. UR Rao Satellite Centre
87. Varroc Group
88. Vikaram Sarabhai Space Centre
89. Wipro GE
90. WISTRON

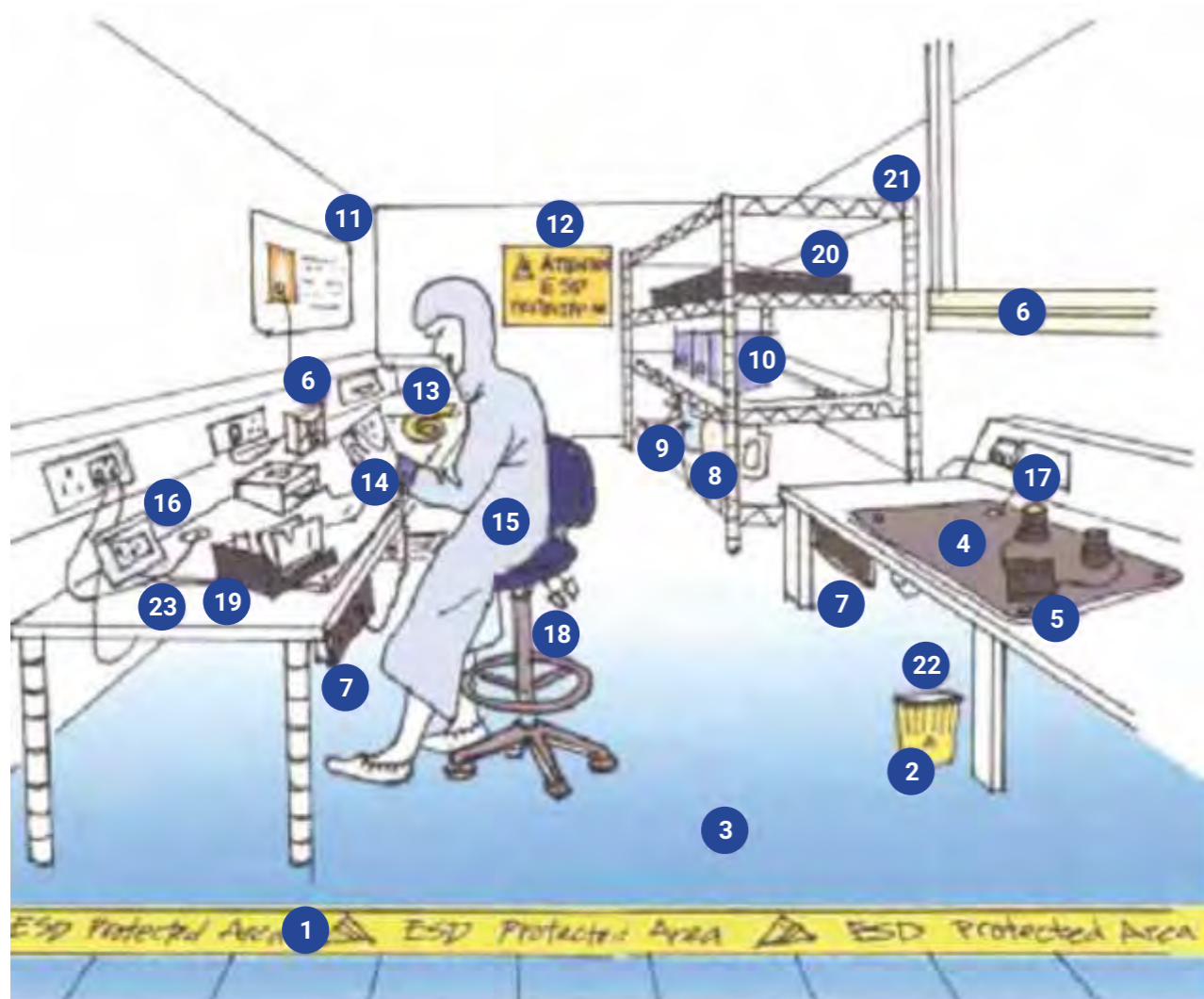
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# Complete ESD Protected Area - Work Station

We provide the total solution for a complete setup of a ESD Protected Area / Work Station that is critically required in today's manufacturing environment, we provide workbenches, matting, material handling. ESD bags, ionizers and personal grounding to ensure that the work area maintains a low and acceptable level of electrostatic charges.

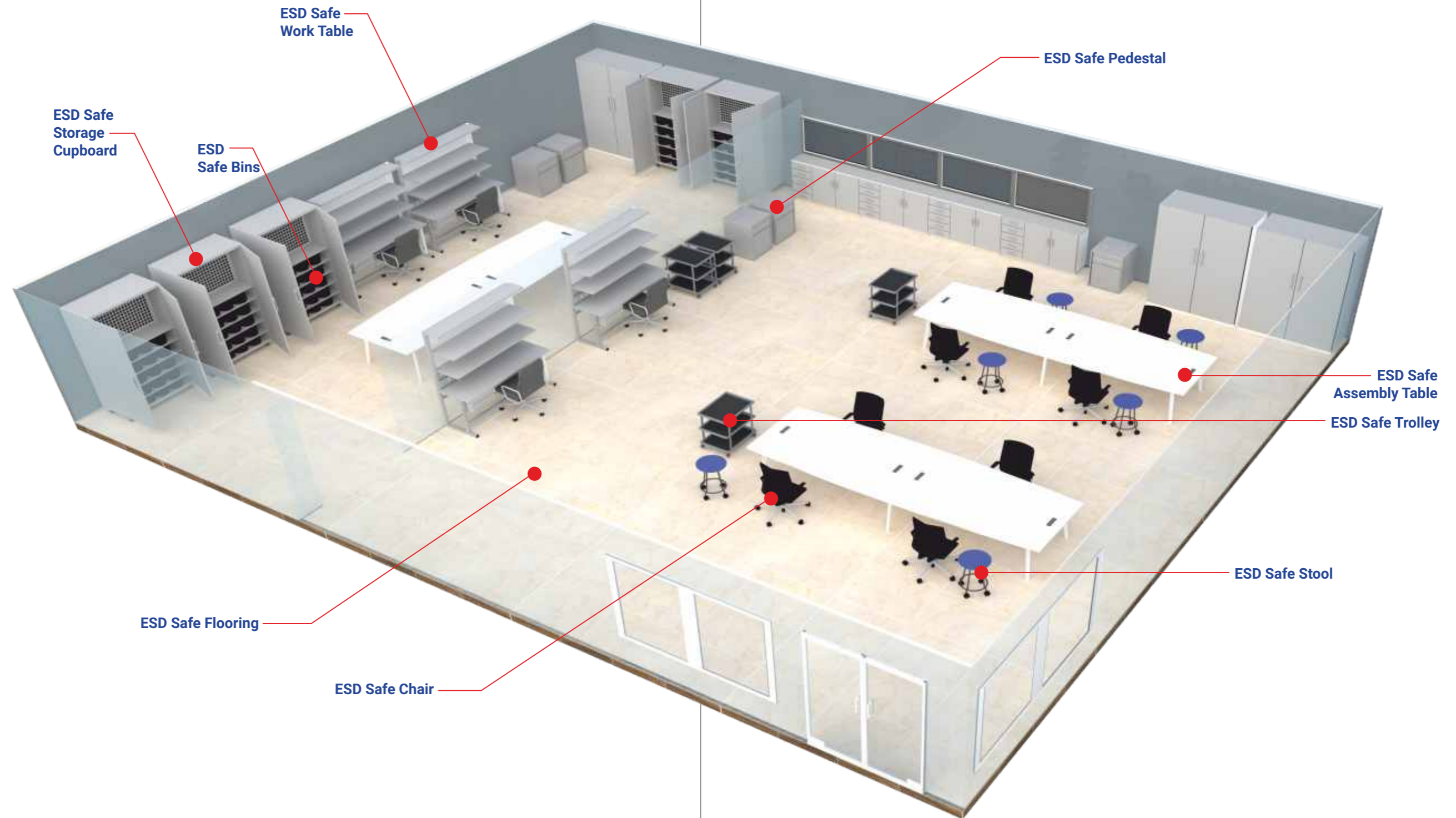


- |                              |                             |                        |
|------------------------------|-----------------------------|------------------------|
| 1. ESD Caution Floor Tape    | 9. Antistatic Concentration | 17. Grounding Cords    |
| 2. ESD Paper Basket          | 10. ESD Ring Binder         | 18. Seatings           |
| 3. ESD Flooring              | 11. Wrist Strap Tester      | 19. PCB Racks          |
| 4. ESD Mat                   | 12. Signage                 | 20. Corrugated Box     |
| 5. Measuring Equipment       | 13. ESD Labels              | 21. Furniture          |
| 6. Ionizer                   | 14. Wrist Strap             | 22. Bin Liner          |
| 7. Wrist Strap Grounding Box | 15. ESD Garments            | 23. ESD Hard Laminates |
| 8. Mat Cleaning Solution     | 16. ESD packaging           |                        |



- |                              |  |
|------------------------------|--|
| C1. Cleanroom Tapes          | E3/E4. Static Shielding Bags with Bubble Sheet |
| C2. Cleanroom Bags           | E5. Silica Gel                                 |
| C3. Silica Gel               | E6. Strapping Machine                          |
| C4. Vacuum Sealer            | E7. Conductive/Antistatic PP Strapes           |
| C5. Moisture Barrier Bags    | E8. Jedec Tray                                 |
| C6. Transparent Barrier Bags | E9. ESD Rubber Bonds                           |
| E1. Conductive Tapes         | E10. Conductive Corrugated Box                 |
| E2. Conductive Bags          | E11. ESD Foams                                 |

# ESD Lab Setup

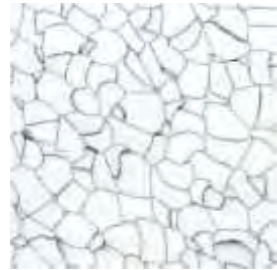


# ESD Safe / Cleanroom Floorings

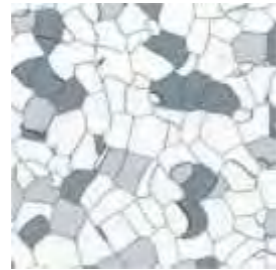
## Conductive Tiles

P/N: HS-CDTL

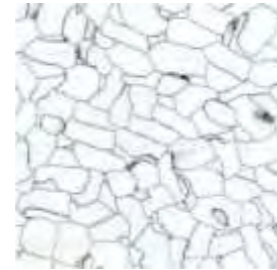
Conductive / Dissipative tiles is the best solution for ESD (Electrostatic Discharge) floor. The properties are permanent and does not depend on any ambient humidity. High Vinyl content and High Pressure manufacturing process guarantees excellent physical properties. Smooth and non-porous surface of Tiles has strong Chemical resistance properties. Cleaning and maintenance is easy.



HS-1103



HS-1101



HSD-01

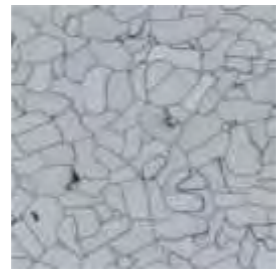


Welding Rod

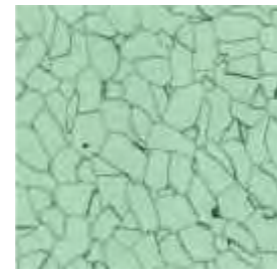
- White >
- Grey >
- Blue >
- Pink >
- Green Grey >
- Green >



HS-1104



HSD-06



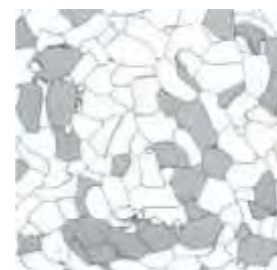
HSD-901



HSD-903



HSD-9022



HSD-909



**Material:** Poly Vinyl Chloride (PVC)

**Colour:** wide range of colours are available

**Finish:** Glossy / Matte

**Size:** 600 x 600mm / 610 x 610mm / 900 x 900mm

**Thickness:** 2mm / 3mm / 5mm

**Surface Resistivity:**  $10^4$  to  $10^6 \Omega / Sq$

### Accessories:

**Copper Tape:** 0.25mm Thick

**Welding Rod:** 3-4mm Dia.

Conductive Adhesive

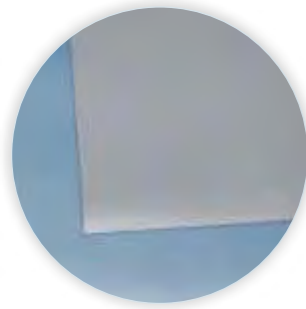


## ESD Epoxy Flooring

ESD / Dissipative epoxy floorings provide wide range of benefits. These epoxy floorings can withstand spilled chemicals & high abrasions. The seamless design of these floors prevents the problems of grouted lines which can harbour dirt and bacteria. Available in various thicknesses. Maintenance of these floors are easy.







### ESD Safe 3 Layered Vinyl Mats

**P/N: HS-3LAMA**

Static Dissipative mats are ergonomic solution for ESD Safe Flooring / Table Mats. It is a Homogeneous composition with Conductive layer is sandwiched between two static dissipative layers.

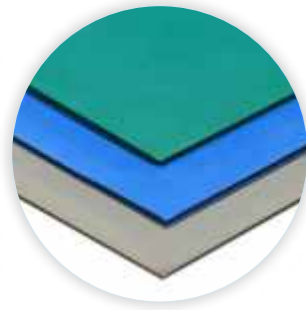
**Material:** Poly Vinyl Chloride (PVC)

**Colour:** Blue / Grey / Almond Brown

**Thickness:** 2mm / 3mm, **Finish:** Matte

**Size:** 1.5 mtrs (w) x 20 mtrs (l) / 2.0 mtrs (w) x 15 mtrs (l)

**Surface Resistivity:**  $10^7$  To  $\leq 10^9 \Omega / Sq$



### ESD Safe 2 Layered Rubber Mats

**P/N: HS-2LAMA**

ESD Safe rubber mats is the best solutions of ESD Safe work surfaces. Made from high quality rubber having 2 layers. Top Layer Static Dissipative and Bottom layer conductive.

**Material:** Rubber

**Colour:** Green / Black, Blue / Black, Grey / Black

**Size:** 1.0 mtrs (w) x 10 mtrs (l) / 1.2 mtrs (w) x 10 mtrs (l)

**Thickness:** 2mm, **Finish:** Glossy / Matte

**Surface Resistivity:** **Top Layer** :  $10^7$  to  $\leq 10^9 \Omega / Sq$ ,

**Bottom Layer** :  $10^4$  to  $\leq 10^6 \Omega / Sq$



### ESD Safe Laminates

**P/N: HS-LAM**

Static dissipative laminates are ideally suited for a wide range of electronically sensitive applications. The laminate provides controlled paths to ground, protecting ESD sensitive products from static electricity. When properly installed on workbenches or any other surfaces.

**Specification:**

- Surface Resistivity (point-to-point):  $10^6$  to  $10^9 \Omega / sq$
- Surface to Ground Resistance:  $10^6$  to  $10^9 \Omega / sq$
- Buried Conductive Layer:  $< 10^6 \Omega / sq$
- Decay Test: 5KV - 0V less than 0.01 second

**Color:** Blue, Beige, Almond, White, Grey

**Size:** 36" x 120" x 0.04"; 60" x 120" x 0.04" (Other customized sizes available upon request)



### ESD Safe Anti-Fatigue Mat

**P/N: HS-AFM**

These mats are designed to reduce fatigue during long standing operations on hard surfaces. These mats are available in different sizes & thickness.

# ESD Safe Workstations / Tables

## ESD Safe Workstation / Table

**P/N: HS-ESDWS**

ESD Safe workstation / tables are specifically designed to provide an effective, convenient & reliable ESD Safe Production set up. These workstations / tables are available in modular format for easy transportation and hassle-free assembly. Workstations / tables are designed and manufactured as per customer requirement / specifications & design. These are available in MS Tubular Sections, Aluminium Profiles, Pipe based etc. Conductive powder coated frames are also available.



# ESD Safe & Cleanroom Seatings

ESD Chairs dissipates static potential created during day to day activities in the Electronic Assembly Shopfloors. Available in various models, various ESD Safe Upholsteries. These ESD Chairs can be made to customer specific needs and designs.



## Conductive Comfort Seating

P/N: HS-FABCH-TC

### Area of Application:

- Manufacturing, Assembling, Inspection labs
- Computer Rooms
- Production, Assembling, Laboratory and Test Area of Electronic Products
- Handling areas of Explosive
- Raised Access Floor

**Material:** Conductive TC Fabric

P/N: HS-CDSTL



P/N: HS-CH-ECC

## Economical Seating

### Features:

- IPA resistance Conductive PU Fabric
- Adjustable height with Gas Cylinder
- Conductive Castors that provide Effective Grounding
- Economically designed for Reduced Fatigue

**Material:** Conductive PU Fabric



## Class 10 Stainless Steel Seating

P/N: HS-SSSTL

### Features:

- Recommended for Ultra Clean Environment
- Full Stainless Steel Material
- No Particulation
- Good Durability
- Winder Seating Area

## ESD PU Moulded Chair

P/N: HS-CH-PU



## Conductive Cleanroom Seating

P/N: HS-CCRC



### Features:

- IPA resistance Conductive PU Moulded
- Adjustable height with gas cylinder
- Conductive castors that provides effective grounding
- Economically designed for reduced fatigue
- Economical and Durable

### Features:

- IPA resistance Conductive PU Fabric
- Recommended for ultra clean
- Adjustable height with gas cylinder
- Conductive castors that provides effective grounding
- Economically designed for reduced fatigue
- Economical and Durable

## Accessories

### Heavy Duty Castors (available in various sizes)



HS-HDC

### Plastic & SS Castors



HS-ESDC HS-MC

### Conductive Studs (HS-CDS)



### SS Studs (HS-SSS)



# Personnel Grounding System

Wrist Straps are the first line of defence against Static charges. Used to ground the operator safely while working at Static sensitive areas to prevent the build up of static charges on human body. Available in various models.



**Adjustable Economical Wrist Strap**  
P/N: HS-WS-STD

**Specification:**

- Surface Resistivity  $8 \times 10^5 \Omega/\text{sq}$
- Decay Time – End of the Tube: 0.08
- Float voltage observed: 0V to 3V
- Peel of Voltage observed: 0V to 3V



**Adjustable Metal Strap**  
P/N: HS-WS-ECON

**Wrist Band:**

- Durable metal cleanroom band are designed for comfort, does not pinch or pull hair
  - Provide a safe and effective path to ground
  - 10mm Stainless Steel snap stud
- Color: Dark blue and black



**Dual Wrist Strap**  
P/N: HS-WS-DUAL

**Specification:**

- Surface Resistivity  $8 \times 10^5 \Omega/\text{sq}$
- Decay Time – End of the Tube: 0.08
- Float voltage observed: 0V to 3V
- Peel of Voltage observed: 0V to 3V



**Cordless Wrist Strap**  
P/N: HS-WS-CDLS

Cordless wrist strap is a device used to prevent electrostatic discharge (ESD) by safely grounding a person working on electronic equipment. It consists of a stretchy band of fabric with fine conductive fibers woven into it. The fibers are usually made of carbon or carbon-filled rubber, and the strap is bound with a stainless steel plate. This works on corona discharge phenomenon.

The ESD heel grounder provides effective grounding for mobile personnel in ESD sensitive areas. For remote areas where wrist straps are not applicable, the ESD heel strap ensures maximum protection of your products from electrostatic charges.



**Heel & Toe Grounder Material**  
P/N: HS-HS

- Provides a path- to- ground & will not generate charge
- Highly Visible Yellow Polyester Fabric
- Will not leave any marks on floor or operator shoes



**Disposable Heel Grounder**  
P/N: HS-DHS

- Tear – resistant conductive rubber cup
- 24" woven conductive ribbon for skin
- Contact Conductive Elastic Velcro
- Strap Closure
- Surface Resistivity:
  - Less than  $10^6 \Omega/\text{Sq}$
- Other Enhanced Features:
  - Reversible sole for double durability



**Non-Woven Shoe Cover with Conductive Stripe**  
P/N: HS-NHSC-ESD

**Material:** Non Woven Fabric  
**Colour:** Blue only

# ESD Grounding System



**Grounding Cords**  
P/N: GC-01 / GC-02

Every ESD Safe work surfaces, ESD Safe floorings requires grounding to dissipate the static charges. Available in various models, sizes. Can also be made to customer requirements.



**Grounding Cords**  
P/N: HS-GC-01

- Low Profile Design
- Two meter standard copper wire ground cord.
- Both sides 10mm female snaps for easy attachments to mats.

(custom designs also available)



**P/N: HS-GC-02**

- Low Profile Design
- Two meter standard copper wire ground cord.
- Includes 10mm female snap for easy attachments to mats.
- Built in 1MΩ, provides a safe level of isolation from being grounding directly.
- 5.4mm (Internal Diameter) eyelet at end of cord for attachment to earth ground.

(custom designs also available)



**P/N: HS-GC-02A**

- Low Profile Design
- Two meter standard copper wire ground cord.
- Includes 10mm female snap for easy attachments to mats.
- Built in 1MΩ, provides a safe level of isolation from being grounding directly.
- With Alligator clip

(custom designs also available)



**P/N: HS-CPG-2P**



**P/N: HS-CPG-4P**

### Common Point Ground

#### Features

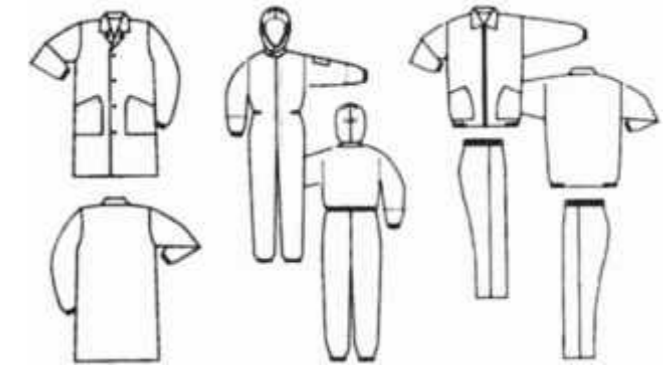
- The Common Point Grounds are designed for the use at workstations to bring the grounding connections at the same potential.
- M.S powder coated is designed to mount under bench, saving work surface space.
- Two meter grounding cable, at one end LUG provided for attachment to ground.

# Apparels - Cleanroom / ESD



Cleanroom Smock P/N: HS-SM    Cleanroom Overall P/N: HS-OH    Cleanroom Smock w/Hood P/N: HS-SMH    Jacket & Slacks P/N: HS-JS

ESD Garments / Apparels offer protection from electrostatic fields generated by clothing on the operator's body. These garments are made of Polyester / Poly Cot / Terry Cot with conductive yarn woven in different patterns. These are available in various colours and are stitched as per customer specific design.



**P/N: HS-SM/SMH**

**P/N: HS-OH**

**P/N: HS-JS**

At Highstar we have various range of garments for the Electronics, Automotive Avionic, Medical, Pharmaceutical and Biotech industries. We are ready to meet your requirement.

### Collar



Mandarin Collar  
P/N: HS-CMC



Overlap Collar  
P/N: HS-CDC



Hawaiian Collar  
P/N: HS-CHC



Ankle Cuff  
P/N: HS-LAC

### Sleeves



Elastic Band Cuff  
P/N: HS-SEBC



Conductive Cuff  
P/N: HS-SCC



Snap Button Cuff  
P/N: HS-SSBC

### Cleanroom Conductive Fabric - 5mm Grid Type



White    Sky Blue    Dark Blue    Yellow    Pink    Green

### Cleanroom Antistatic Fabric



Vertical Stripe Fabric    Vertical Stripe Fabric    Conductive Poly Cot Fabric    ESD TC Fabric

# ESD / Cleanroom Foot Wear

ESD safe & Clean Room footwear are designed to minimise the amount of static electricity built up on human body. These conduct static charges through insoles linings outer sole and to the grounded floor helping dissipate static charge built up on person's body.

Available in various models and designs.

**Static Dissipative PVC Sole**  
P/N: HS-SI410



**Static Dissipative Hypalon Overboots**  
P/N: HS-OB



**ESD Fabric Booties**  
P/N: HS-FabB



## ESD Safety Shoes



P/N: HS-SSBLC



P/N: HS-SSBL



P/N: HS-SSB-S

**Cleanroom Safety Shoes**  
P/N: HS-SSW



**ESD Safe Slipper**  
P/N: HS-SPU



# Gloves-ESD / Cleanroom

**Anti-static PVC Dot Lint-free Gloves 5/10mm**  
P/N: HS-AS/LINTF



**ESD Palm fit PU Coated Palm Gloves**  
P/N: HS-ESDPFPU



**ESD Top fit PU Coated Glove**  
P/N: HS-ESDTFPU



**Powder free / Cleanroom Nitrile Gloves**  
P/N: HS-NTB  
Available length 9", 12"



**Cut Resistance Gloves**  
P/N: HS-CRG  
Available length 9", 12"



**Powder free Cleanroom Latex Gloves**  
P/N: HS-CLT  
Available length 9", 12"



## Finger Cots



	Part No.	Description	Size	Packing
1	HS-AP	Antistatic pink finger color	S/M/L	1440pcs x 20bags
2	HS-SDRFC	Static Dissipative Economical Reusable Blue finger cot	S/M/L	1440pcs x 20bags
3	HS-SB	Static Dissipative Black finger cot	S/M	1440pcs x 20bags
4	HS-PFw	Antistatic cleanroom Chorniated yellow Finger cot	S/M/L	1440pcs x 20bags
5	HS-PFW	Powder free White finger Cot	S/M/L	1440pcs x 20bags
6	HS-RO	Nitrile Finger Cot	S/M/L	1440pcs x 20bags
7	HS-RO/STALL	Orange Rough finger Stall	M/L	300pcs x 20bags
8	HS-AR-k	ESD Black Rough finger Stall (Unroll)	M/L	300pcs x 20bags

# Cleanroom Disposables



**Cleanroom Bouffant Cap / Head Cover**  
P/N: HS-BC/NW21

**Material:** Non-woven Polypropylene  
**Color:** White, Blue, Yellow, Pink & Green  
**Size:** 21"



**Cleanroom Facemask**  
P/N: HS-F/NW2

**2-ply Facemask with Ear Loop**  
**3-Ply Facemask with Ear Loop**  
(STDP-F/NW3)  
**Material:** Non-Woven Polypropylene  
**Colour:** White/Blue  
**Size:** 18cm (L)/ 21cm (L)



**3-Ply facemask with Head / Ear loop**  
P/N: HS-FM /3PLY/PU LOOP)

**Material:** Non-Woven Polypropylene  
**Size:** 18cm(L)/21(L)



**3-Ply Face mask with 4 Ties**  
P/N: HS-F/NWT

**Material:** Non-Woven Polypropylene  
**Color:** White/Blue/Green  
**Size:** 18cm (L)



**Active Carbon Face Mask with Ear loop**  
P/N: HS-FM4PLY/CARBON

**CPE Shoe Cover**  
P/N: HS-SC/CPE/1540



**Material:** CPE  
**Colour:** Blue only

**Non-Woven Shoe Cover**  
P/N: HS-36/NWSC



**Material:** Non-Woven Polypropylene  
**Colour:** Blue/ White

# Tweezers

## CONDUCTIVE

P/N: HS-CDPNK6



**Overall length:** 120mm **Material:** Conductive plastic  
**Features:** ESD Safe, Antimagnetic, Good Rigidity

P/N: HS-CDPNK35A



**Overall length:** 120mm **Material:** Conductive plastic  
**Features:** ESD Safe, Antimagnetic, Good Rigidity

P/N: HS-CDPNK2A



**Overall length:** 120mm **Material:** Conductive plastic  
**Features:** ESD Safe, Antimagnetic, Good Rigidity

P/N: HS-CDPNKR



**Overall length:** 120mm **Material:** Conductive plastic  
**Features:** ESD Safe, Antimagnetic, Good Rigidity

P/N: HS-CDPNK7



**Overall length:** 120mm **Material:** Conductive plastic  
**Features:** ESD Safe, Antimagnetic, Good Rigidity

## STAINLESS STEEL

P/N: HS-SS00



**Overall Length:** 135mm **Material:** Stainless Steel  
**Features:** Long and Narrow Tip, High Precision

P/N: HS-SS2



**Overall length:** 120mm **Material:** Stainless Steel  
**Features:** Fine and tough Tip, High Precision

P/N: HS-SS2A



**Overall length:** 120mm **Material:** Stainless Steel  
**Features:** Fine and rounded Tip, High Precision

P/N: HS-SSFA



**Overall length:** 120mm **Material:** Stainless Steel  
**Features:** Fine and tough Tip, High Precision

P/N: HS-SSFA



**Overall length:** 120mm **Material:** Stainless Steel  
**Features:** Fine and tough Tip, High Precision

P/N: HS-SS7A



**Overall length:** 115mm **Material:** Stainless Steel  
**Features:** Tough, Ultra Fine Tip, High Precision

## VACCUM PEN



### Pen-Vac vacuum Pen (ESD Safe) (HS-PV)

**Material:** Brushed aluminum body Stainless steel probe needle on aluminum hub Vacuum cups in several materials.

**Holding Strength:** Able to lift objects weighing up to 100gm.

**Dimension (Body):** 5.75"L x 0.5 dia.

**Weight:** Less than 21gm.

**Pickup Probes:** 5" tips, straight and angled.

**Picking:** 1 Vacuum pen with 4 probes and cups 3 angled (125", 25" and 375" cups) and 1 Straight (.25"cup).

## ESD BRUSHES



The ESD brush has soft bristle that will effectively clean any dust particles or debris without damaging the component parts of PCB.

**Surface Resistivity:**  $<10^6$  ohm/sq (permanent)

## Wipers



### Non-Woven Wipes Series 2000 P/N: HS-KIP9-101

- Made of Sontara fabric.
- Cleanroom packaging guarantees cleanliness.
- High absorption power with no residue on wiping surface.
- Available in 4"x4", 6"x6", 9"x9", 12"x12".

## Peelable Sticky Mat



### P/N: HS-SM2436

**Color:** Blue and Grey.

**Size:** 24"x36", 26"x45".

**Layers:** 30 Layers/Mat with number corner taps for easy to check used sheet.

**Option:** Available in antistatic or washable type.

# Stationery Cleanroom/ESD



## ESD/Cleanroom Clipboard P/N: HS-CB / P/N: HS-MCB

**Specification:**  
**Material:** Amide Free Polyethylene.  
**Surface Resistivity:**  $10^8$ - $10^{11}$   $\Omega$ /sq  
**Decay Time** -100v to 100v in 1.0 second  
 (Meet MIL Specs MIL-B-81705B--Decay test)  
**Colour:** Blue, Printing available upon request.



## ESD/Cleanroom Ring File P/N: HS-FL

**Specification:**  
**Material:** Amide Free Polyethylene.  
**Surface Resistivity:**  $10^8$ - $10^{11}$   $\Omega$ /sq  
**Decay Time** -100v to 100v in 1.0 second  
 (Meet MIL Specs MIL-B-81705B--Decay test)  
**Colour:** Blue, Printing available upon request.

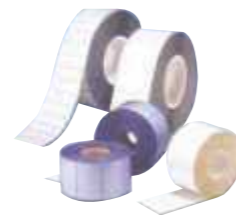


## Clean Notebook P/N: HS-NB

**Description:**

- ESD safe hard cover
- Reduced particle count
- Available in spiral or staple type
- Printing or labels of company logo
- Available on request

**Size:** A4, A5, Pocket size



## Clean Paper Roll Label P/N: STCS-CPRL Clean Roll Label P/N: HS-CPRL

For purpose of data writing, barcoding on wafer carrier or box. Made of particle - free PP film with acrylic glue that minimizes contamination and free from adhesive residue after label is removed.

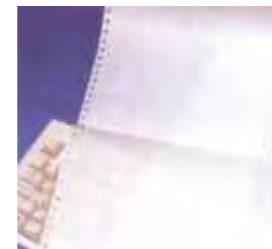


## Cleanroom Paper P/N: HS-CPA

**Description:**

- Reduced particle counts
- Available in 72g, 80g, 100g
- Suitable for printing or drawing purposes

**Colour:** 1) White, 2) Sky-blue, 3) Yellow, 4) Green, 5) Pink, 6) Orange  
**Size:** A4, A3



## Cleanroom Computer Paper P/N: HS-CCPA

**Description:**

- Reduced particle counts
- Available in 72g, 80g, 100g (80 columns)
- Suitable for Printing

**Colour:** White

# Stationery Cleanroom/ESD



## Cleanroom Mechanical Low Sodium Pen P/N: HS-PEN/3802

**Features:**

- Barrel is made of high Density Polypropylene Construction features a eyeclip design
- Low Sodium & Low Chloride
- Low Heavy Metals
- Non-Smearing permanent ink

**Colours:** Blue, Black, Red  
**Pkg:** 12pcs/bag



## Sharpie Pen P/N: HS-SHP

**Description:**  
 Cleanroom Pen is made of low participating material and eliminates contamination.  
**Colours:** Blue, Black, Red.



## ESD/Cleanroom Flexible File P/N: HS-FF

**Material:** Amide Free PE  
**Specification:**  
**Surface Resistivity:**  $10^8$ - $10^{11}$   $\Omega$ /sq  
 Decay Time – 1000V to 100V in 1.0 Second (Meet MIL Specs MIL-B-81705B Decay test)  
**Colour:** Transparent



## ESD/Cleanroom Badge Holder with Clip P/N: HS-BH

**Material:** Acrylic, 1DP alloy  
**Specification:**  
**Surface Resistivity:**  $10^8$ - $10^{11}$   $\Omega$ /sq  
 Decay Time – 5000V to 5V in 0.03 Second (Meet MIL Specs MIL-B-81705B Decay test)  
**Colour:** Transparent.



## ESD/Cleanroom Document Holder Rigid type P/N: HS-DH

**Material:** Acrylic, 1DP alloy  
**Specification:**  
**Surface Resistivity:**  $10^8$ - $10^{11}$   $\Omega$ /sq  
 Decay Time – 5000V to 5V in 0.03 Second (Meet MIL Specs MIL-B-81705B Decay test)  
**Colour:** Transparent.  
**Size:** A3, A4



## ESD/Cleanroom Document Holder Soft type P/N: HS-DH

**Material:** Amide Free PE  
**Specification:**  
**Surface Resistivity:**  $10^8$ - $10^{11}$   $\Omega$ /sq  
 Decay Time – 1000V to 100V in 1.0 Second (Meet MIL Specs MIL-B-81705B Decay test)  
**Colour:** Transparent.  
**Size:** A3, A4



## ESD Keyboard P/N: HS-ESDKB

**Features:**

- Significantly reduces Electrostatic Charges generated.
- Permanent ESD properties.
- Compatible for PS2 and USB connectors.

**Surface Resistivity:**  $<10^5$   $\Omega$ /sq  
 Ergonomic design for comfort



## ESD Optical Mouse P/N: HS-MOUSE

**Features:**

- Significantly reduces Electrostatic Charges generated.
- Permanent ESD properties.
- USB connectors.

**Surface Resistivity:**  $<10^5$   $\Omega$ /sq  
 Ergonomic design for comfort

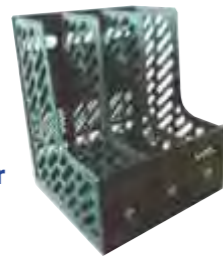


**ESD Calculator**  
P/N: HS-ESDCAL



- Features:**
- Conductive Casing for fast dissipation
  - Permanent ESD properties
  - Works on battery or light energy
  - **Surface Resistivity:**  $<10^5 \Omega/\text{sq}$  and below (casing) to be placed on Example: ESD table mat, ESD work surface.

**ESD Document Organiser**  
P/N: HS-DOCO



- Features:**
- Significantly reduces Electrostatic Charges generated
  - Permanent ESD properties
  - **Surface Resistivity:**  $<10^5 \Omega/\text{sq}$
  - Modular design for easy assembly

**ESD RULER**  
P/N: HS-Ruler



- Features:**
- Permanent ESD properties
  - **Surface Resistivity:**  $<10^5 \Omega/\text{sq}$

**ESD Ball Pen**  
P/N: HS-ESDPEN



- Features:**
- Significantly reduces Electrostatic Charges generated
  - Permanent ESD properties
  - **Surface Resistivity:**  $<10^5 \Omega/\text{sq}$

**ESD Tape Dispenser**  
P/N: HS-TAPEDIS



- Features:**
- Suitable with inner cores 25mm, 75mm tapes
  - Permanent ESD properties
  - Comes with tape cutter
  - **Surface Resistivity:**  $<10^5 \Omega/\text{sq}$  and below (casing) to be placed on ESD work surface Example ESD table mat.

**ESD Clipboard**  
P/N: HS-CLIPB



- Features:**
- Permanent ESD properties
  - **Surface Resistivity:**  $<10^5 \Omega/\text{sq}$

**ESD Scissors** P/N: HS-SC



- Features:**
- Permanent ESD properties
  - **Surface Resistivity:**  $<10^5 \Omega/\text{sq}$

**ESD Cutter**  
P/N: HS-CTR



- Features:**
- Permanent ESD properties
  - **Surface Resistivity:**  $<10^5 \Omega/\text{sq}$

**ESD Stapler**  
P/N: HS-STAPLER



- Features:**
- Permanent ESD properties
  - **Surface Resistivity:**  $<10^5 \Omega/\text{sq}$

# PCB Storage Systems

**Products during transportation**  
**Hinged Box** P/N: HS-CDHB



- Features:**
- Material: Injection moulded thermoplastic
  - Size: Full Range (contact us for details)
  - **Surface Resistivity:**  $<10^5 \Omega/\text{sq}$
  - **Application:** Protection of semiconductor

**ESD Corrugated Box**  
P/N: HS-PPCB



- Features:**
- Material: Conductive (permanent)
  - Polypropylene corrugated sheet
  - **Surface Resistivity:**  $<10^6 \Omega/\text{sq}$
  - Colour: Black
  - Size: Custom made with printing options

**PCB Rack/Holder**  
P/N: HS-PCB-I



- Features:**
- **Surface Resistivity:**  $<10^6 \Omega/\text{sq}$
  - Color: Black
  - Dimension mm: 480x140x35
  - Pitch: 16
  - Number of Slot: 25
  - Slot Depth: 8mm, Slot Width: 3mm
  - Application: Use for handling and storing PCBs
  - Suitable for use in Class 100 Cleanroom, Electronic Industry Assembly Line

**Material Handling**  
**L-Shape PCB Rack**  
P/N: HSML-PCB/L



- Features:**
- **Surface Resistivity:**  $<10^6 \Omega/\text{sq}$
  - Color: Black
  - Dimension mm: 480x140x35
  - Pitch: 16
  - Number of Slot: 25
  - Slot Depth: 8mm, Slot Width: 3mm
  - Application: Use for handling and storing PCBs
  - Suitable for use in Class 100 Cleanroom, Electronic Industry Assembly Line

**ESD Storage Partitions**  
P/N: HSML-SP



- Features:**
- Material: Conductive Corrugated
  - Sheet, ESD Foam, ESD Paper Cardboard
  - Size: Custom made

**PCB Push Cart**  
P/N: HS-PCBPC



- Provide Storage of PCBs for contamination free environment.

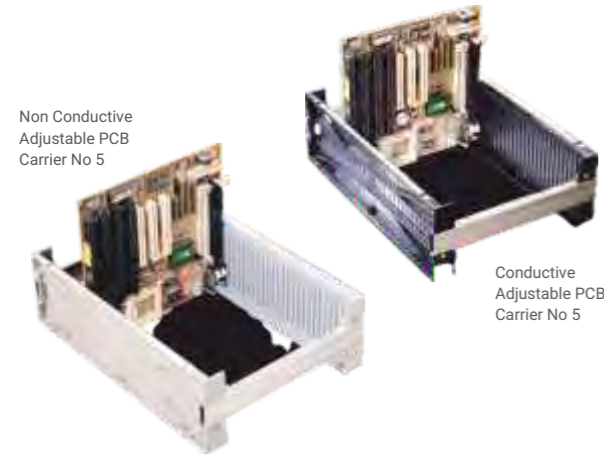


**ESD Magazine Rack**

Part Number	Overall Size MM	PCB Size MM	State Size MM		
			Depth	Width	Pitch
HS-MR01	400x400x563	460x(100x330)	3.5	5	10
HS-MR02	355x315x580	350x(80x250)	3.5	8	10
HS-MR03	535x400x570	535x(508x390)	3.5	5	10
HS-MR04	355x320x563	350x(50x250)	3.5	5	10

# PCB Storage Systems

## PCB Carriers



### Adjustable Pcb Carrier No.: 5

#### Features:

- Useful for small to medium boards.
- Size of sides 350mm(L) x 105mm(H)
- Use different size of Aluminium guides to make the configuration as per the size of the PCB. Different sizes of PCB's can be fitted in two PCB Carriers as shown in the picture.

#### Conductive Adjustable PCB Carrier No.: 5

- Set of 2 pcs.- Colour Black made from conductive polystyrene.
- Art No.: **APCR5 - C**

#### Non Conductive Adjustable PCB Carrier No.: 5

- Set of 2 pcs.- Colour Grey made from high impact polystyrene.
- Art No.: **APCR5 - N**
- Order aluminium guides separately.



### Aluminium Guides

#### Are available in three standard lengths:

- Art No.: **APCRG - 2**  
253 mm Set of 2 pcs.
- Art No.: **APCRG - 3**  
353 mm Set of 2 pcs.
- Art No.: **APCRG - 5**  
553 mm Set of 2 pcs.

For more models & product details please contact us.



### Conductive & Non Conductive Fixed PCB Carriers

#### Features:

- Economical carriers for handling clinched SMD's, Soldered or bare boards of any size.
- Tapered slots to keep PCB's in taper position. Easy to carry.
- **Size:** 458mm(L) x 140mm(W), 25 Slots
- Black Colour for conductive. Art No.: **APCR1-C**
- Made from conductive polystyrene.
- Grey Colour for non conductive. Art No.: **APCR1-N**
- Made from high impact polystyrene.
- **Packing:** Fixed PCB Carriers are packed 5 pcs. in a box.



### Fixed Pcb Carriers - L Type

#### Features:

It is a two side support PCB carrier of conductive or non conductive material for stronger card holding. Conductive PCB carriers are excellent PCB carriers for work benches. Easy to handle and does not occupy much space.

- Holds boards on two contiguous edges.
- Nestable when not in use.
- Conductive PCB carrier available in Black colour.
- Made from conductive polystyrene.
- Non conductive PCB carriers available in Grey colour.
- Made from high impact polystyrene.
- Size: 207mm(D) x 273mm(W) x 95 mm(H)
- 25 grooves, 9mm Pitch, 3mm width.

# Furniture - Shelving & Trolleys



**Cleanroom Gowning Rack**  
P/N: HS-CGR

- Use in cleanroom gowning area for storing garments
- Additional hangers available separately



**Wire Security Cart**  
P/N: HSSV-WSC

- Offer safe transport of valuable Products while storing and transporting



**SS Shoe Rack / Cross over Bench**  
P/N: HS-SHRK



**Stainless Steel Storage Cabinet**  
P/N: HS-SSSC

- Provide clear storage for garments, wipers and other cleanroom materials.

**Cleanroom Push Cart Chrome**  
P/N: HS-CHRPC



- **Material:** Chrome Metal, Electro Polish
- **Size:** 24\* x24\*, 24\* x72, 18\* x24\*, 18\* x60\* (custom made available)
- **Accessories:** Aluminium or Plastic Sleeves, ESD Castors, Dividers. Shelve ledges, u-handle Bars, ESD Mattings, Wafer Box Shelving
- **Applications:** Cleanroom /ESD storage, Heavy industry, Transportation of Wafer boxes.



**Cleanroom Shelving (Heavy Duty)**  
P/N: HS-CHRSR  
P/N: HS-SSSH

- **Accessories:** Aluminium or Plastic Sleeves, ESD Castors, Leveling Bolts, Dividers
- **Application:** Cleanroom/ESD storage. Heavy industry. Transportation and Displays



**SS Stencil Rack**  
P/N: HS-STNRK

- **Material:** Stainless Steel
- **Accessories:** ESD Castors, Grounding Chain
- **Advantages:** Ideal for Transporting and Storing SMT Stencil Frames
- Custom Made to Specific Dimensions



**Stainless Steel SMT Reel Rack**  
P/N: HS-SMTRR

- **Material:** Stainless Steel
- **Size:** 24\*x 60\*, 48\*x72\* (Other sizes available)
- **Accessories:** ESD castors, bumpers, grounding chain
- **Advantages:** For safe storage of SMT Reels Custom-made for all sizes Saves space and provides safe transportation

# Static Control Test & Measuring Instruments

**ESD Controlled Entry System**  
P/N: HS-CT-05 / HS-CT-05D / HS-CT-05GDL



P/N: HS-CT-06 / HS-CT-06D / HS-CT-07GDL



ESD tester controlled entry system is designed to measuring the personal foot wears or wrist strap resistance under actual ESD operating conditions. If the measured resistance is within limits and access is approved, the turnstile unlocks permitting passage. Also the tester offers the operator a visual and audible measurement of PASS or FAIL of the personnel groundings. It is good security system for entry of personnel into the restricted ESD safe area.

AVAILABLE WITH ACCESS CONTROL AND DATA LOGGING VERSIONS. FOR MORE DETAILS CONTACT US.

**Combi Tester**  
P/N: HS-CT01



**Wrist Strap & Footwear Tester**

P/N: HS-WSFTD



P/N: HS-WSFT01

**Features:**

- Designed to check actual operating conditions with the strap on the wrist or footwear on the foot.
- Available in Analog / Digital versions and different models.

**Continuos Work Station Monitor**

P/N: HS-CWSM-01

P/N: HS-CWSM-01/2-OP



**Features:**

- Precision instrument used to Continuously monitor grounding of ESD work surfaces & wrist Straps.
- The indications are by a visual & audible Alarm. The compact size allows easy Installation on work benches.

P/N: HS-CWSM-01A

**Continuos Wrist Strap Monitor**  
P/N: HS-WSM-03



**Features:**

- This an economical monitor that provides effective grounding & monitoring of Wrist Strap.
- The compact size allows easy installation on work benches.

# Static Control Test & Measuring Instruments

## Surface Resistivity Meter P/N: HS-SRM100D



### Features:

- Digital Surface Resistivity Meter is a portable, versatile, instrument design to accurately measure the resistance between two points, surface to ground and surface resistivity accordance with EOS/ESD Association standards S-11. 11. In addition, the meter measure & displays ambient temperature & relative humidity.

## Surface Resistivity Meter P/N: HS-SRM-100V



### Features:

- This a precession, low cost, hand held, battery operated instrument designed to measure surface resistivity. Surface to ground resistance between two points is accordance with EOS/ESD Association standard S-11. 11.
- This comes with EXTERNAL ELECTRODES to comply with ASTM D257 test method.

## Digital Megohmmeter Test Kit P/N: HS-RT-1000



### Features:

- It is easy to operate, compact, lightweight, portable meter designed to measure emperature, humidity, and electrical resistance/ resistivity. Its has both internal and external test probes.
- **Resistivity Test Range:**  
 $1 \times 10^3 - 1 \times 10^6 \Omega$  at 10 volts.  
 $1 \times 10^6 - 1 \times 10^{12} \Omega$  at 100 volts.

## Digital Megohmmeter Test Kit P/N: HS-001-9802



### Features:

- It is easy to operate, compact, lightweight, portable meter designed to measure emperature, humidity, and electrical resistance/ resistivity. Its has both internal and external test probes.
- **Resistivity Test Range:**  
 $1 \times 10^3 - 1 \times 10^6 \Omega$  at 10 volts.  
 $1 \times 10^6 - 1 \times 10^{12} \Omega$  at 100 volts.

## Overhead Ionizer



### Features:

- Adjustable speed control 2/3/4 air flow output integrated blower and power supply.
- Dimension: Various as per air flow O/P
- Air Coverage: Various as per air flow O/P
- Weight: Various as per air flow O/P
- Air Volume: Various as per air flow O/P
- Ion Balance: 0V+/- 100V

## Portable Air Ionizer P/N: HS-BTI-01



### Features:

- Available in bench top, mounting arm and under shelf installation
- Dimension (mm): 225 x 190 x 10
- Air Coverage: 40cm x 60cm
- Weight: 3 kg

## Ionizing Air Gun P/N: HS-AS 2456/2455



### Features:

- Pinpoint ionization
- Applicable in hard-to-reach areas
- Operating Voltage: 4.6k, Weight: 0.05 kg
- Air Pressure: 40-70psi, Air Velocity: 10m/sec



(AC Power Supply Unit 2455)



(Ionising Air Gun - 2456)

## Personnel Static Tester P/N:HS-PST-01



### Features:

- Designed to measure the static voltage carried on a personnel
- Range: +/-1999V
- Hazard Indication: Visual and audible alarm if voltage exceeds +/-100V
- Indications: 3 1/2 Digital LCD display with polarity indication
- Resolution: 1 Volt, Accuracy: +/- 10%

## Fume Absorber P/N: HS-FA01



### Features:

- Portable, Self standing
- Low Noise, Height Adjustable
- Removes Noxious Fumes effectively and quickly

## Electrostatic field Meter P/N: HSFM-01



## Periodic Verification System P/N: HSME-PVS

### Features:

- Designed to locate and measure static charge potentials on product people, equipment and packing. This instrument uses a non-contacting, chopper stabilized field sensor and a ranging mechanism to ensure correct measurements of electrostatic fields in all areas.

## Electrostatic Discharge Simulator P/N: HS-930C



### Features:

- Voltage Range: -/+500 to 26,000V
- Plug-in R/C Networks enable the simulator to be configured to meet IESC 801-2 Contact & Air Discharge Remote Discharge capability
- Size: 26\* (W) x 149\* (D) x 7\* (H) with styrene case and weight 15 lbs

# Packaging ESD & Clean Room

## Static Shielding Bag P/N: HS-TSS

### Features:

- Provides shock protection
- Provides EMI shielding effect
- Customized to envelope design



## Anti-Static Air Bubble Bag P/N: HS-ABB

### Features:

- Ideal for ESD / shock sensitive products
- Consistent Surface Resistivity
- Customized to envelope design



## Conductive PE Bag P/N: HS-CDB

### Features:

- Excellent electrical properties
- Printing available
- Easy to seal
- Good static decay time
- Conductive



## Class 100 Cleanroom Nylon PE Bag P/N: HS-NYB-C

### Features:

- Excellent Oxygen barrier
- Excellent Puncture resistance
- Ideal for vacuum packing
- Heat Sealable
- High transparency
- For fasteners, screw & metal parts



## Packaging ESD Anti-Static Foam Bag P/N: HSFB-A

### Features:

- Provides cushioning effect
- Consistent Surface Resistivity
- Various thickness available



## Aluminium Moisture Carrier Box Bag P/N: HS-ALBB

### Features:

- Excellent moisture barrier properties
- Good puncture resistance
- Compatible with most sealers
- Custom-made to the most wafer cassettes



## Anti-static PE Bag P/N: HS-ASPE

### Features:

- Economical material ESD protection
- Available with various colours
- Consistent Surface Resistivity
- Printing available



## Class 100 Cleanroom LDPE Bag P/N: HS-LB-C

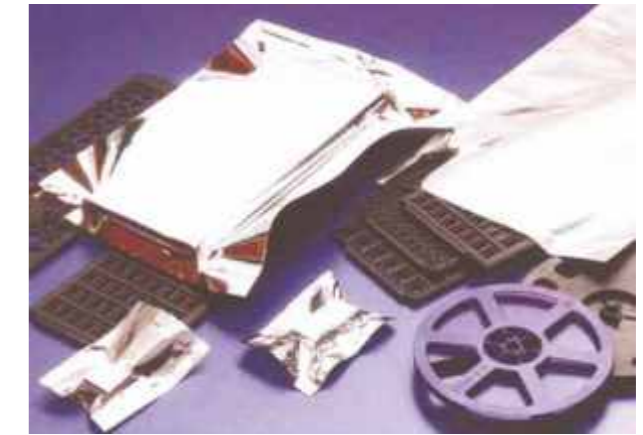
### Features:

- Ultra-clean material
- Heat Sealable
- FDA approved grade upon request
- Coloured bags are IPA resistant
- Low out gassing
- Ideal for cross contamination control
- Easy-tear available

## Controlled Environment HPPE Bag P/N: HS-HB-C

### Features:

- Low particulate
- Absence of silicone oil, Amide Agent and Plasticizers Dioctyl phthalate
- Low out gassing
- Low NVR



## Aluminium Moisture Barrier Bag P/N: HS-MBB

### Features:

- Excellent moisture barrier properties
- Good puncture resistant
- ESD properties (Static Dissipative)
- Compatible with most vacuum sealers
- IPA resistant printing available
- Custom-made dimensions, thickness, compositions

### Applications:

- Semiconductor IC trays, tubes, moisture sensitive devices, components, materials

Product Application Table	Surface Resistivity	Transparency	EMI Shielding	Printing	Moisture Barrier
Static Shielding Bag STSSB	<math>10^{11}</math> ohm/sq	YES	YES	YES	YES
Aluminium Moisture Barrier Bag STALB	<math>10^{11}</math> ohm/sq	NO	YES	YES	YES
Conductive PE Bag STCDB	<math>10^{11}</math> ohm/sq	NO	NO	YES	NO
Anti Static PE Bag STAB	<math>10^{11}</math> ohm/sq	YES	NO	YES	NO
Conductive Grid Bag STCDB-G	<math>10^{11}</math> ohm/sq	YES	NO	NO	YES
Anti Static Air Bubble STBBB-A	<math>10^{11}</math> ohm/sq	YES	NO	YES	NO
Anti Static Foam Bag STFB-A	<math>10^{11}</math> ohm/sq	NO	NO	YES	NO
ESD Cushion Pouch Bag STCPB	<math>10^{11}</math> ohm/sq	NO	NO	YES	NO

# Tapes and Labels



## Conductive Grid Tape P/N: HS-TA-GRID

### Features:

- **Material:** Anti-static Adhesive Co-Polymer Embedded Conductive Grid / Heavy Duty Antistatic Co-Polymer
- **Size:** 12mm x36m, 18mm x36m, 24mm X36m, 48mm x36m
- **Surface Resistivity:**  
Conductive Grid:  $>10^5 \Omega/\text{sq}$   
Anti-static Film:  $10^{11} - 10^{12} \Omega/\text{sq}$
- **Application:** The conductive grid tape ensures reliable protection against static charges otherwise caused by normal insulating tapes. Recommended for semiconductor and PCBA industry.



## ESD Double Sided Tape P/N: HS-DW4050CD

- **Description:** This is a double sided coated polyester tape which is double sided coated with Antistatic Acrylic adhesive.
- **Composition:** Release Acrylic Adhesive (130  $\mu\text{m}$ ), Antistatic Acrylic Adhesive (15  $\mu\text{m}$ ), Polyester Film (25  $\mu\text{m}$ ).



## High Temperature Kapton Tape P/N: HS-KT

### Features:

- **Material:** Polyimide Film with Silicone / Acrylic Adhesive
- **Width:** 10mm, 12mm, 18mm, 24m (Custom-made width available)
- **Length:** 33m
- **Colour:** Amber
- **Application:** Ideal for high temperature application in SMT line



## Floor Marking Tap P/N:HS-FMT

- **Available in widths of:** 31",2",3" x 33mtrs length.
- **Printing Options:** Available on request
- **Colours:** All colours available



## Cleanroom Multipurpose tape P/N: HS-CRT500

### Features:

- Suitable for general purpose in Cleanroom
- Leaves no Residues after peeling
- Available in many colours for coding

### Applications:

- Double packed in clean PE Bags
- Clean PE Core



## ESD Caution PP Floor Marking Tape P/N: HS-ESDCT

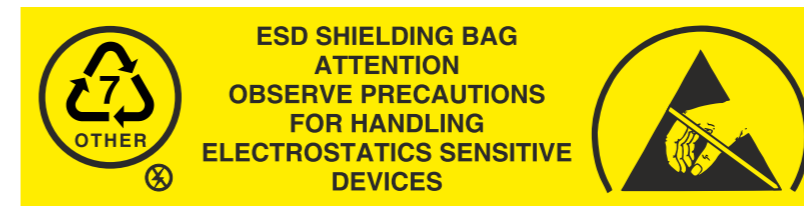
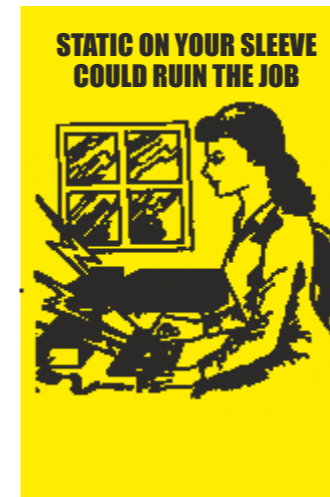
### Features:

- **Material:** PP
- **Size:** 48mm x 33m, 76mm x 33m
- **Application:** Ideal for marking out ESD area on the floor
- The tape does not de-laminate when in contact with water during cleaning process.

# ESD Awareness Posters & Labels



ESD Caution Signs  
P/N: HS-ESDP



ESD Caution Labels  
P/N: HS-ESDCL

- Size: Customised to requirement

# Others



## Fume Cupboard (HS-CE-FC)

### Features:

- Made of polypropylene fibre glass inner casing metal exterior Laminar

## Laminar Flow Bench (HS-CE-LFB)

### Features:

- This unit allows users to clean zones at a reasonable cost without having to build a cleanroom. The work area is continuously purges away any contamination from the work done. metal exterior Laminar



## Magnifier P/N: HS-PT-MAG

### Features:

- The desk top magnifier is ideal for close inspection on the workstation
- Available in various magnification scale
- Easy to install and operate
- Clear vision lens for accurate inspection
- Available with internal light for clearer vision
- Desk top table clamp model



## Anti-static Solvent Dispenser P/N: HS-OTH-SOB

### Features:

- **Material:** impregnated Anti-static
- HDPE with anti-splash Stainless Steel pump cap
- **Surface Resistivity:**  $10^9$ - $10^{11}$   $\Omega$ /sq
- **Color:** Blue / Pink / White
- **Volume:** 250ml



## Cleanroom Eyewear P/N: HS-OTH-CREW-OS

### Features:

- Oversized Wrap around style to fit most prescription glasses
- **Material:** Polycarbonate Lens
- Unique temple venting system helps reduces heat buildup. 100% UV.
- Meets ANSI & CE Standards



## De-Soldering Braid (Solder-Wick) P/N: HS-DB

### Features:

- We have a range of de-soldering braid available for the service and repair industry.
- It can safely, quickly and completely removes solder from circuit boards and components. Its fast wicking action protects components from harmful heat damage.



## Humidity Indicator Cards P/N: HS-HIC

### Features:

- Available in 3,4 & 6 Spots
- Cobalt free also available RH 10-60%



## ESD Paper Bin P/N: HS-CDWB

### Features:

- The conductive waste bin is Ideally designed for Electrostatic sensitive areas.
- **Surface Resistivity:** Less than  $< 10^6$   $\Omega$ /sq
- **Capacity:** 40 litre
- 330mm x 232mm x 530mm (Exl.)



## Dessicant Packs P/N: HS-DESS

### Features:

- Available in silica Gel or Dessicant Clay
- Maintain desired moisture level after packing. Packed in paper, Tyvek or Transparent Film
- Available in all different sizes & volumes



## Floor Cleaner Mat Cleaning Solution P/N: HS-FLRCS

### Features:

- The mat cleaning solution restores the ESD properties of your table/floor mat. It removes stubborn stains that effect the electrical performance of the mat.

# Bins Size Comparison Chart



SUPRA BINS



RHINO TUFF BINS



HIPPO BINS



BULL BINS

BINS	SR NO	ART NO	OUTER DIMENSIONS			INNER DIMENSIONS			EFFECTIVE HEIGHT	STD. PACK	Volume Per Box CBM
			Length	Width	Height	Length	Width	Height			
<b>SUPRA BINS</b>  	1.	SB 1	125	100	60	117	80	52	25	60	0.0458
	2.	SB 2	170	100	85	157	80	75	40	60	0.0855
	3.	SB 3	220	130	125	200	115	115	73	50	0.1954
	4.	SB 4	290	178	143	265	155	130	80	10	0.0786
	5.	SB 5	290	363	145	265	340	130	83	5	0.0786
	6.	SB 6	440	180	145	415	154	130	85	10	0.1193
	7.	SB 7	435	425	215	405	380	208	120	6	0.1175
	8.	SB 7X	435	400	215	405	360	208	120	6	0.1148
	9.	SB 8	600	425	300	530	375	290	170	5	0.1622
<b>RHINO TUFF BINS</b>  	10.	ARTB-05	109	104	49	95	89	43	23	60	0.0383
	11.	ARTB-10	136	106	76	125	90	65	28	60	0.0688
	12.	ARTB-20	187	106	76	171	90	65	32	40	0.0639
	13.	ARTB-25	205	139	126	190	115	121	61	40	0.1512
	14.	ARTB-30	274	140	127	256	115	115	56	40	0.2102
	15.	ARTB-35	280	210	179	255	170	160	80	20	0.2098
	16.	ARTB-40	375	210	179	355	170	160	80	10	0.1537
	17.	ARTB-50	457	280	255	432	241	240	108	6	0.2079
	18.	ARTB-60	375	415	179	355	375	160	80	5	0.1537
	19.	ARTB-70	460	420	292	435	375	282	155	3	0.1805
<b>HIPPO BINS</b>  	20.	612/T	100	110	53	80	90	43	25	60	0.0235
	21.	612/S	150	110	75	130	90	68	40	60	0.0820
	22.	612/S2	175	115	75	150	90	64	40	40	0.0571
	23.	612/M	250	165	125	225	132	115	67	40	0.2084
	24.	612/DW	250	344	125	210	312	115	67	20	0.2208
	25.	612/B	355	220	150	330	182	138	85	10	0.1243
	26.	612/J	515	330	200	470	295	180	115	8	0.2677
	27.	BULL BIN 5	168	102	74	145	86	66	38	60	0.0801
<b>BULL BINS</b>  	28.	BULL BIN 15	201	125	101	178	105	92	48	40	0.1056
	29.	BULL BIN 25	229	150	126	192	128	114	58	50	0.2129
	30.	BULL BIN 35	300	208	158	255	185	145	80	20	0.2087
	31.	BULL BIN 45	348	210	200	305	187	185	110	10	0.1539
	32.	BULL BIN 55	510	310	200	480	280	195	85	8	0.2677
<b>TOTE BINS</b>  	33.	AK-421	400	255	100	365	230	90	90	10	0.1014
	34.	AK-422	400	255	200	365	230	190	190	5	0.1025

All dimensions in mm Approx

For more models & product details please contact us.

# Bins Size Comparison Chart



TOTE BINS



PANDA SHELF BINS



KOALA PICK BINS

BINS	SR NO	ART NO	OUTER DIMENSIONS			INNER DIMENSIONS			EFFECTIVE HEIGHT	STD. PACK	Volume Per Box CBM	
			Length	Width	Height	Length	Width	Height				
<b>PANDA SHELF BINS</b> 	35.	PSB 301	315	100	60	293	86	55	55	24	0.0530	
	36.	PSB 302	315	100	110	293	86	105	105	24	0.0888	
	37.	PSB 303	315	150	110	293	136	105	105	12	0.0677	
	38.	PSB 304	315	220	135	293	210	130	130	12	0.1221	
	39.	PSB 305	315	300	135	293	282	130	130	6	0.0828	
	40.	PSB 306	315	300	185	293	282	180	180	6	0.1082	
	41.	PSB 401	415	100	60	393	86	55	55	24	0.0650	
	42.	PSB 402	415	100	110	393	86	105	105	24	0.1165	
	43.	PSB 403	415	150	110	393	136	105	105	12	0.0881	
	44.	PSB 404	415	220	135	393	210	130	130	12	0.1517	
	45.	PSB 405	415	300	135	393	282	130	130	6	0.1048	
	46.	PSB 406	415	300	185	393	282	180	180	6	0.1415	
	47.	PSB 451	465	100	60	443	86	55	55	24	0.0633	
	48.	PSB 452	465	100	110	443	86	105	105	24	0.1191	
	49.	PSB 453	465	150	110	443	136	105	105	12	0.0894	
	50.	PSB 454	465	220	135	443	210	130	130	12	0.1595	
	51.	PSB 455	465	300	135	443	282	130	130	6	0.1143	
	52.	PSB 456	465	300	185	443	282	180	180	6	0.1582	
	53.	PSB 501	515	100	60	493	86	55	55	24	0.0823	
	54.	PSB 502	515	100	110	493	86	105	105	24	0.1456	
	55.	PSB 503	515	150	110	493	136	105	105	12	0.1082	
	56.	PSB 504	515	220	135	493	210	130	130	12	0.1971	
	57.	PSB 505	515	300	135	493	282	130	130	6	0.1301	
	58.	PSB 506	515	300	185	493	282	180	180	6	0.1748	
	59.	PSB 601	615	100	60	593	86	55	55	24	0.0869	
	60.	PSB 602	615	100	110	593	86	105	105	24	0.0869	
	61.	PSB 603	615	150	110	593	136	105	105	12	0.1306	
	62.	PSB 604	615	220	135	593	210	130	130	12	0.2201	
	63.	PSB 605	615	300	135	593	282	130	130	6	0.1513	
	64.	PSB 606	615	300	185	593	282	180	180	6	0.2081	
	<b>KOALA PICK BINS</b> 	65.	AKP-01	130	105	60	105	90	55	26	64	0.0319
		66.	AKP-11	180	105	90	155	90	85	42	40	0.0414
		67.	AKP-22	220	140	140	195	125	135	65	24	0.0475
		68.	AKP-32	300	140	140	270	125	135	65	24	0.0617
69.		AKP-33	300	215	140	270	200	135	65	16	0.0679	
70.		AKP-35	300	435	140	270	410	135	65	8	0.0855	
71.		AKP-42	400	145	200	360	125	195	95	18	0.0905	
72.		AKP-43	400	215	200	360	200	195	95	12	0.0905	
73.		AKP-64	605	292	200	540	272	195	110	6	0.0837	

All dimensions in mm Approx

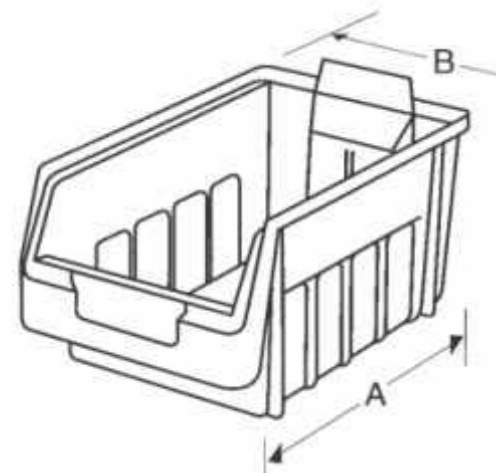
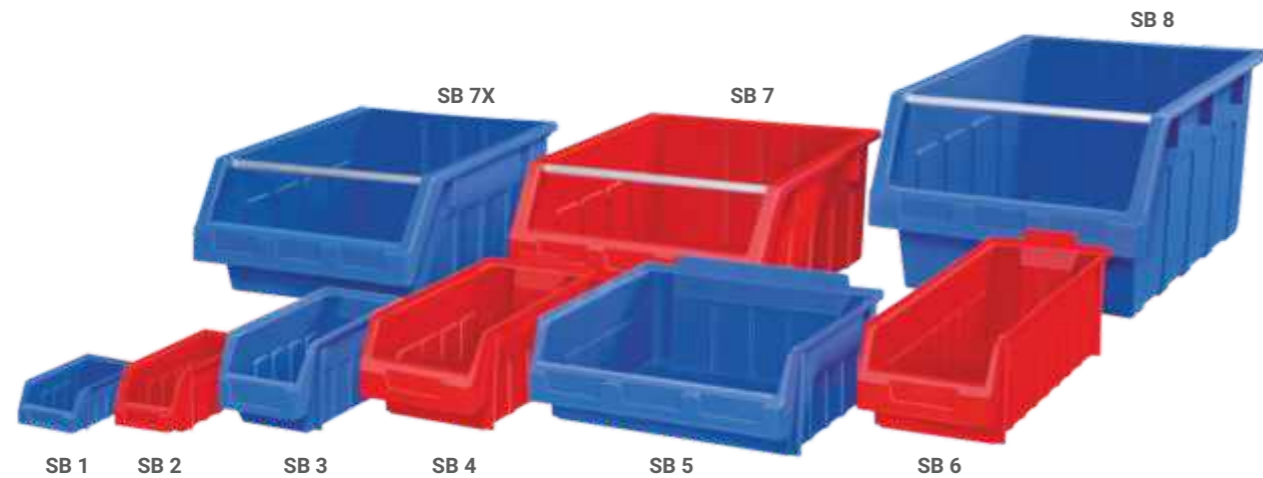
- Panda Bins of all sizes are available in Blue colour with partitions in Black colour only.
- Panda Bins of 300mm & 400mm depth are also available in Transparent Colour with Transparent Partitions.
- Koala Pick Bins are available in Blue colour only.
- Hippo Bin (Small) 612/S is available in Red, Blue, Grey, Green, Yellow & Black colours in multiples of standard packing only.
- Supra Bins/ Rhino Tuff Bins/ Hippo Bins/ Bull Bins are supplied in Red & Blue colour in multiples of standard packing, these bins can also be supplied in Grey, Green & Yellow colours, subject to MOQ of 200 pcs. per colour in multiples of standard packing.

For more models & product details please contact us.



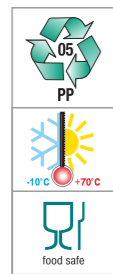


## Supra Bins



### Features:

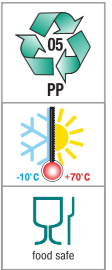
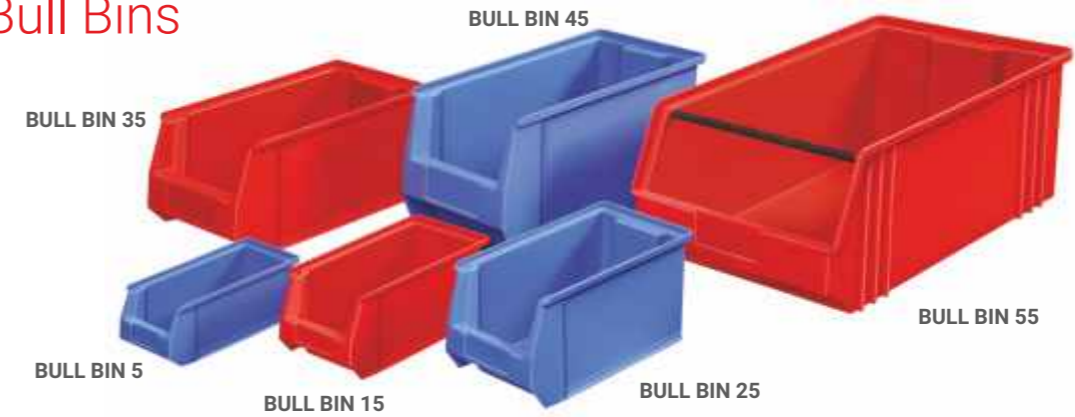
- Made From Polypropylene Copolymer
- Strong rear lip for use with Louvre Panels or Rails (Except for SB 7, SB 7X & SB 8).
- Strong heavy duty reinforced base, sides & stacking rim.
- Resistant to most industrial solvents.
- Bins are designed to stack one on top of each other. Clear access to contents.
- All bins with identification card holders.
- Stopper prevents stacked bins from shifting forward. Incorporates a safety stop feature in SB 4 / 5 / 6 at the back for use on shelves.



For more models & product details please contact us.

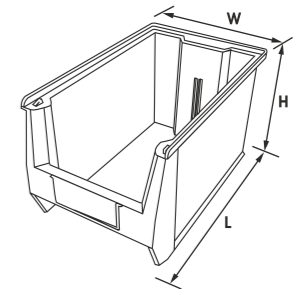


## Bull Bins



### Features:

- MADE FROM POLYPROPYLENE COPOLYMER.
- Provision for vertical partitions to increase storage options in Bull Bin 25, Bull Bin 35 & Bull Bin 45.
- Full length rear lip supports provided for hanging bins on Louvre Panels or Rails. (Except for Bull Bin 55)
- Resistant to most industrial solvents.
- Anti skid strips provided at the base.
- Bins are designed to stack one on top of each other.
- Extra wide stacking base for secure stacking.
- Tapered front & rear bottom for easy movement on conveyers.
- Stopper prevents stacked bins from shifting forward.
- Extra wide label slot for easy content identification.



LP 3 Louvre Panel fitted with Bull Bins.

For more models & product details please contact us.

### Bull Bin Partitions

Other useful plastic accessories to match the Bull Bins range include Bin partitions.



Bull Bin 25 with 1 No of VP BULL BIN 25  
Standard Packing: 10 pcs. per ctn.



Bull Bin 35 with 1 No of VP BULL BIN 35  
Standard Packing: 10 pcs. per ctn.



Bull Bin 45 with 1 No of VP BULL BIN 45  
Standard Packing: 10 pcs. per ctn.

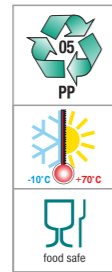
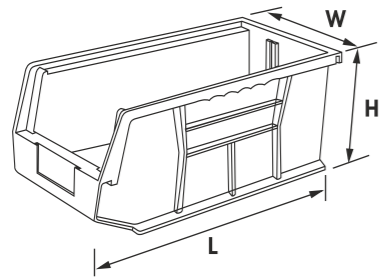
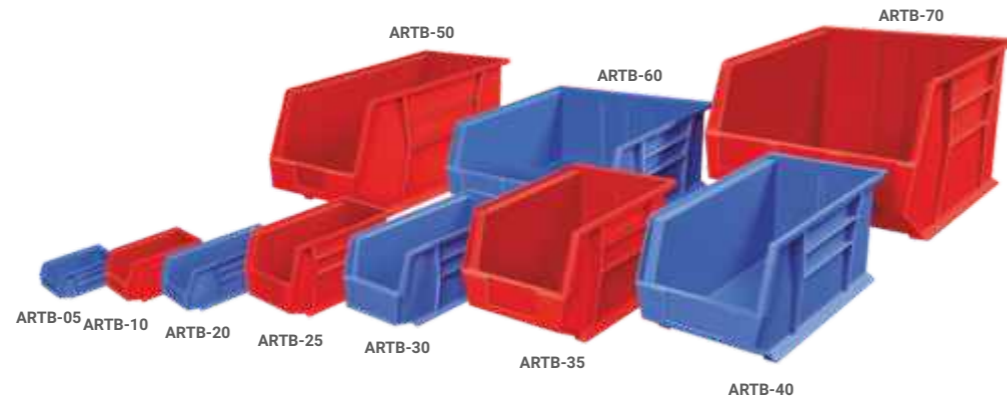
### Louvre Panels

Louvre Panels are made from 1.5mm (T) CRCA steel and powder coated in Light Grey RAL 7035 colour. BULL BINS can be mounted with ease in variable combinations as listed below :

Art No	Maximum No of bins per Louvre Panel			
	LP 1	LP 2	LP 3	LP 6
Size	457 x 457	457 x 610	457 x 914	457 x 1829
BULL BIN 5	24	32	48	96
BULL BIN 15	12	15	24	48
BULL BIN 25	9	12	18	36
BULL BIN 35	4	6	10	20
BULL BIN 45	4	6	8	16

All dimensions in mm approx.

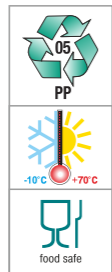
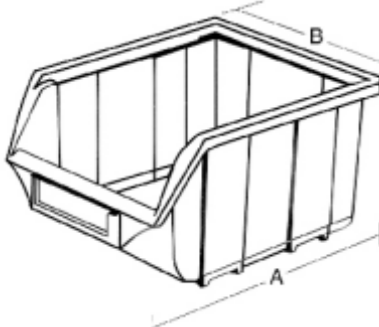
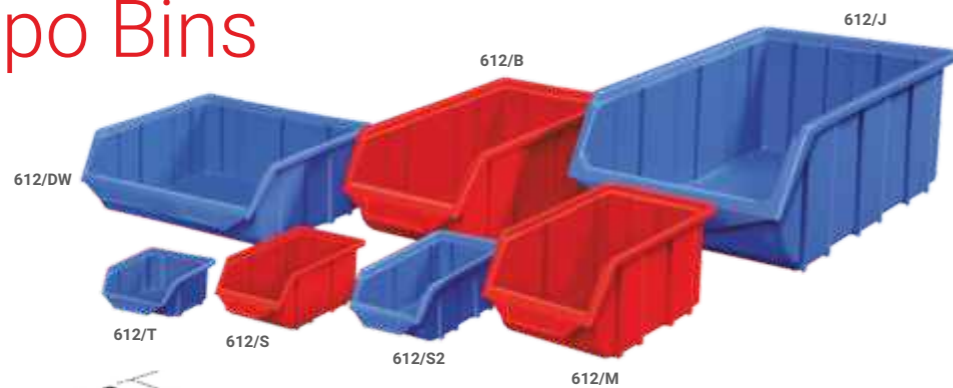
# Rhino Tuff Bins



## Features:

- Made from Polypropylene Copolymer.
- Strong ribs provided for optional partitions to increase storage options.
- Full length rear lip support provided for hanging bins on Louvre Panels or Rails (Except for ARTB 70).
- Resistant to most industrial solvents.
- Reinforced ribs adds strength and avoids spreading.
- Bins are designed to stack one on top of each other. Extra wide stacking base for secure stacking. Extra wide label slot for easy content identification.
- Stopper prevents stacked bins from shifting forward.

# Hippo Bins



## Features:

- Made from Polypropylene Copolymer.
- Strong rear lip for use with louvre panels or rails. (Except for 612/J). Strong heavy duty with rounded base, sides & stacking rim.
- Resistant to most industrial solvents.
- Can be stacked one on top of each other. Clear access to contents.
- Hippo bins are designed to stack one on top of each other. All bins with identification card holders. Partitions available.
- Stopper prevents stacked bins from shifting forward.
- Rounded ergonomic design to give extra strength and sturdiness for storage.

For more models & product details please contact us.

# Panda Shelf Bins



## 300 Series



## 400 Series



## 450 Series



## 500 Series



## 600 Series



For more models & product details please contact us.

# Doors for Panda Shelving Systems



## Features:

- Lockable doors for panda shelving systems are available in two heights of 1275mm and 1875mm.
- These doors are powder coated in the same colour as per the shelves and roll posts to make it uniform in appearance.
- Lockable doors secure and protect the stored contents from dust, damage and theft.
- Doors are modular in nature and can be added to the existing shelving systems.
- Doors can be used with add on shelving units and can only be fitted on every alternate bay of shelving unit.
- Doors can also be used on back to back add on shelving units.
- Doors are pivoted on two lintels, top lintel is mounted in line with the top shelf, the bottom lintel is mounted on the base level of the shelving unit due to which the usable height in the shelving system gets reduced .



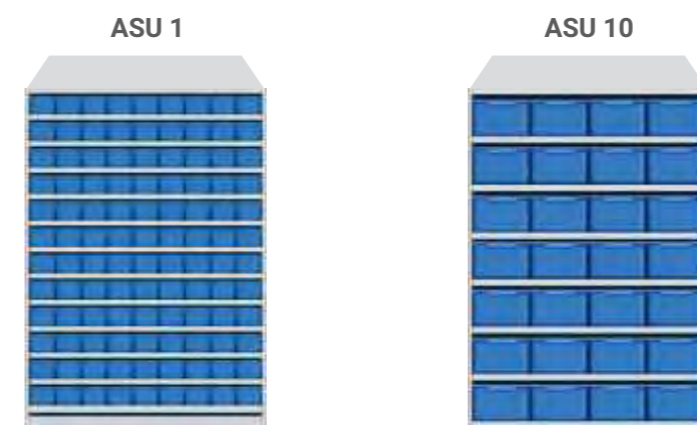
## Panda Shelving Systems for File Storage

### 300mm Deep Shelving Unit Consists of:

- 1 Set of ASUB 123 Shelving Body.
- 4 Nos of Shelves - Art No : ASUS 300
- 1 No of Kick Plate - Art No : ASUKP
- Unit can hold 10 Nos of Box Files per layer.
- Total 30 Nos of Box Files per shelving unit.

For more models & product details please contact us.

# Panda Shelving Unit



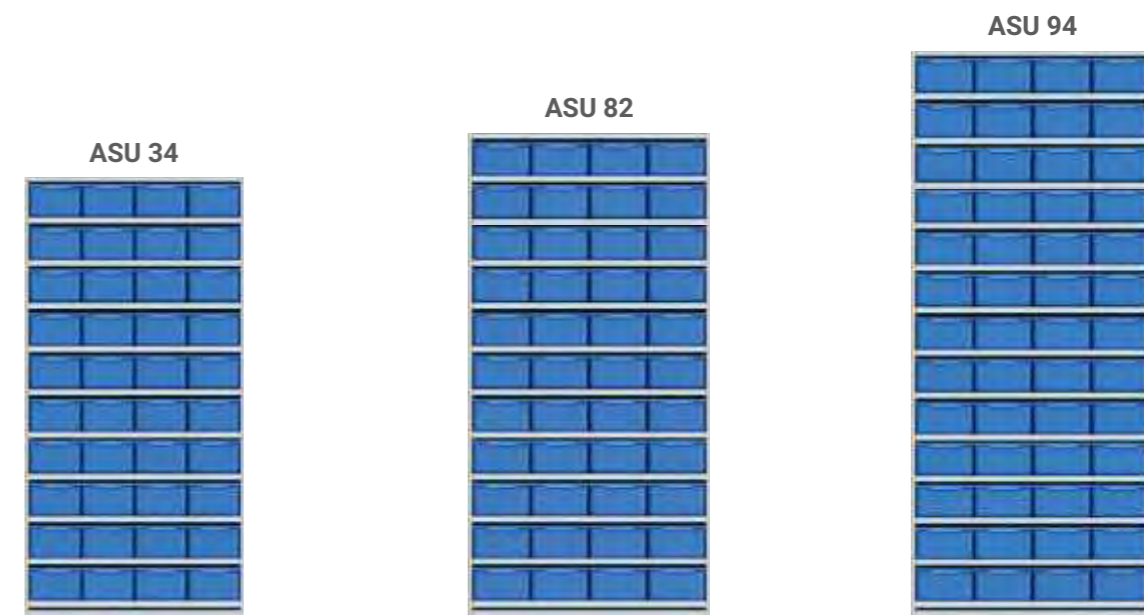
### ASU 1 Shelving Unit Consists of:

- 1 Set of ASUB 123 Shelving Body.
- 13 Nos of Shelves - Art No: ASUS 300
- 1 No of Kick Plate - Art No: ASUKP
- 9 Nos of PSB 301 Bins on each shelf.
- Total 108 Nos of PSB 301 Bins.

### ASU 10\* Shelving Unit Consists of:

- 1 Set of ASUB 124 Shelving Body.
- 8 Nos of Shelves - Art No: ASUS 400
- 4 Nos of PSB 404 Bins on each shelf.
- Total 28 Nos of PSB 404 Bins.

\* (No Kick Plate in standard unit, if Kick Plate is required then there will be 7 Nos of ASUS 400 Shelves & 24 Nos of PSB 404 Bins)



### ASU 34 Shelving Unit Consists of:

- 1 Set of ASUB 183 Shelving Body.
- 11 Nos of Shelves - Art No: ASUS 300
- 1 No of Kick Plate - Art No: ASUKP
- 4 Nos of PSB 304 Bins on each shelf.
- Total 40 Nos of PSB 304 Bins.

### ASU 82 Shelving Unit Consists of:

- 1 Set of ASUB 215 Shelving Body.
- 13 Nos of Shelves - Art No: ASUS 500
- 1 No of Kick Plate - Art No: ASUKP
- 4 Nos of PSB 504 Bins on each shelf.
- Total 48 Nos of PSB 504 Bins.

### ASU 94 Shelving Unit Consists of:

- 1 Set of ASUB 233 Shelving Body.
- 14 Nos of Shelves - Art No: ASUS 300
- 1 No of Kick Plate - Art No: ASUKP
- 4 Nos of PSB 304 Bins on each shelf.
- Total 52 Nos of PSB 304 Bins.

For more models & product details please contact us.

# Roo Tilt Bins



## Standard Roo Tilt Bin Unit - Single Sided

Size: 425mm(W) x 1670mm(H) x 300mm(D)

RTBSS-21 Single Sided Unit Consists of:

- 1 Set of Single Sided Stand Size: 425mm(W) x 1670mm(H) x 300mm(D)
- 18 Nos of RTB 1 Bins
- 12 Nos of RTB 2 Bins
- 9 Nos of RTB 3 Bins
- 2 Nos of RTB 4 Bins
- 10 Sets of RTB FP (Fixing Plate)



## Standard Roo Tilt Bin Unit - Single Sided

Size: 425mm(W) x 1950mm(H) x 300mm(D)

RTBSS-30 Single Sided Unit Consists of:

- 1 Set of Single Sided Stand Size: 425mm(W) x 1950mm(H) x 300mm(D)
- 6 Nos of RTB 1 Bins
- 12 Nos of RTB 2 Bins
- 3 Nos of RTB 3 Bins
- 8 Nos of RTB 4 Bins
- 9 Sets of RTB FP (Fixing Plate)



## Standard Roo Tilt Bin Unit - Double Sided

Size: 640mm(W) x 1670mm(H) x 600mm(D)

RTBDS-54 Double Sided Unit Consists of:

- 1 Set of Double Sided Stand Size :
- 640mm(W) x 1670mm(H) x 600mm(D)
- 36 Nos of RTB 1 Bins
- 36 Nos of RTB 2 Bins
- 16 Nos of RTB 3 Bins
- 12 Nos of RTB 4 Bins
- 4 Nos of RTB SPR (Spacer)
- 18 Sets of RTB FP (Fixing Plate)

# Modular Systems



## Modular System - Beige / Grey / Blue

is an ideal plastic filing system based on standard modules which can be interlocked and stacked on top of each other.

The basic system is based on four drawer sizes which can be interchanged in the ratio of 1 : 2 : 3 : 4. All cabinets are supplied with central locking system. Made from High Impact Polystyrene.

### Applications

Due to the system being modular in nature, these systems are used in a large variety of applications like Offices, Hospitals, Homes, Electronics, Engineering and Textile Industries.

## MODULAR SYSTEMS - BEIGE



## MODULAR SYSTEMS - GREY



## MODULAR SYSTEMS - BLUE



## Mobile Unit Assembly



## INTERNAL SIZE OF DRAWERS

- AD1 : 360mm (D) x 270mm (W) x 16mm (H)
- AD2 : 360mm (D) x 270mm (W) x 39mm (H)
- AD3 : 360mm (D) x 270mm (W) x 62mm (H)
- AD4 : 360mm (D) x 270mm (W) x 87mm (H)

- AMS12 : Modular system with 12 Nos of AD1 Drawers.
- AMS6 : Modular system with 6 Nos of AD2 Drawers.
- AMS4 : Modular System with 4 Nos of AD3 Drawers.
- AMS3 : Modular System with 3 Nos of AD4 Drawers.



Combination of Containers  
Utility Containers available in 3 Sizes ( in Beige & Grey colours)

- Art No : UC1 : 85mm (L) x 85mm (W) x 55mm (H)  
12 Containers fit in one AD3/AD4 drawer.
- Art No : UC2 : 175mm (L) x 85mm (W) x 55mm (H)  
6 Containers fit in one AD3 / AD4 drawer.

- Art No : UC1 : 85mm (L) x 85mm (W) x 55mm (H)  
12 Containers fit in one AD3/AD4 drawer.
- Art No : UC2 : 175mm (L) x 85mm (W) x 55mm (H)  
6 Containers fit in one AD3 / AD4 drawer.

For more models & product details please contact us.

For more models & product details please contact us.

# Modular System - Conductive



Modular system is an ideal storage system for Electrostatic sensitive devices based on standard modules which can be interlocked and stacked one on top of each other. The basic system is based on four drawer sizes which can be interchanged in the ratio of : 1 : 2 : 3 : 4. All cabinets are supplied with central locking system. Made from conductive polystyrene.



AD1-C



AMS6L-C



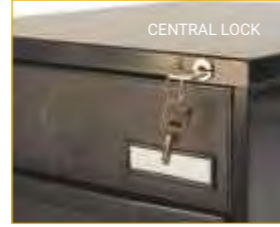
STOPPERS



AD3-C



AMS4L-C



CENTRAL LOCK



**SPECIAL STOPPERS**  
Special stoppers are provided to stop the drawers when opened fully. To remove drawer from the cabinet lift the drawer up & remove from cabinet.



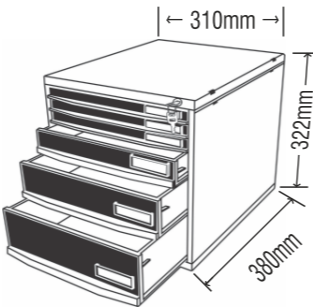
AMS12L-C



AMS3L-C



Set of clips are provided for interlocking of cabinets



## Conductive Utility Containers: for storage of small parts.

Three sizes of container in black colour are available to fit in Ad 3-c / AD 4-C drawers.



Combination of Containers in AD 3-C drawers

### Sizes of Containers:

- Art No: UC 1-C**  
Size: 85mm (L) x 85mm (W) x 55mm (H)  
12 Containers fit in one AD3-C / AD4-C drawer.
- Art No: UC 2-C**  
Size: 175mm (L) x 85mm (W) x 55mm (H)  
6 Containers fit in one AD3-C / AD4-C drawer.
- Art No: UC 3-C**  
Size: 255mm (L) x 85mm (W) x 55mm (H)  
4 Containers fit in one AD3-C / AD4-C drawer.

All dimensions in mm approx.

For more models & product details please contact us.

# Supra Bins - Conductive



### Features:

- Made from Conductive Polypropylene.
- Strong rear lip for use with Louvre Panel.
- Strong heavy duty, with reinforced base side & stacking rim.
- Resistant to most industrial solvents.
- Clear access to contents.
- All bins with identification card holder slots.
- Incorporates a safety stop feature in SB 4-C, SB 5-C, SB 6-C, at the back for use in shelves.
- Colour of Bin & Partition - Black.

Art No	Outside Dimensions in mm			Inside Dimensions in mm		
	Length	Width	Height	Length	Width	Height
<b>SB 1-C</b>	125	100	60	117	80	52
<b>SB 2-C</b>	170	100	85	157	80	75
<b>SB 3-C</b>	220	130	125	200	115	115
<b>SB 4-C</b>	290	178	143	265	155	130
<b>SB 5-C</b>	290	363	145	265	340	130
<b>SB 6-C</b>	440	180	145	415	154	130
<b>SB 7-C</b>	435	425	215	405	380	208
<b>SB 8-C</b>	600	425	300	530	375	290

SB 8-C subject to MOQ.

All dimensions in mm approx.

## Supra Bin Partitions - Conductive

Horizontal Partition for SB 4-C & SB 6-C

Art No : HP SB 4/6-C

Standard Packing : 10 pcs. per ctn.

Vertical Partition for SB 4-C & SB 5-C

Art No : VP SB 4/5-C

Standard Packing : 10 pcs. per ctn.

Vertical Partition for SB 6-C

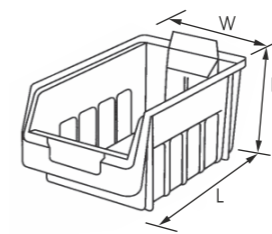
Art No : VP SB 6-C

Standard Packing : 10 pcs. per ctn.

Vertical Partition for SB 7-C

Art No : VP SB 7-C

Standard Packing : 10 pcs. per ctn.



Louvre Panel Mounted with Conductive Supra Bins



SB5-C fitted with 1 No of VP SB 4/5 Conductive Vertical Partition



SB 4-C fitted with 1 No of HP SB 4/6 Conductive Horizontal Partition

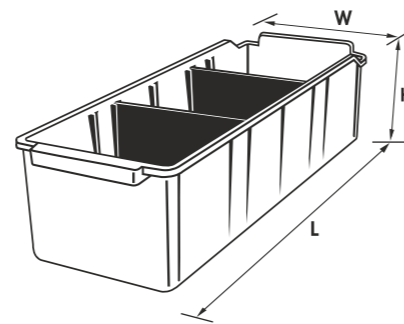
For more models & product details please contact us.

# Panda Shelf Bins - Conductive



## Features:

- Made from Conductive Polypropylene
- Designed to fit roll post shelving systems.
- Five standard bin sizes to suit 400mm deep shelving.
- Resistant to most industrial solvents.
- Integral back stop for clear viewing of PANDA BIN contents.
- Partitions are notched to ensure positive location within the bins.
- PANDA BINS feature a small handle to allow maximum area of the front face for sticking identification labels.
- Colour of Bin & Partition - Back.



## Bin Dimensions

ART NO	Outer Dimensions			Inner Dimensions			No Of Partitions with each bin	Effective Height	Std. Pack
	Length	Width	Height	Length	Width	Height			
PSB 401-C	415	100	60	393	86	55	3	55	24
PSB 402-C	415	100	110	393	86	105	2	105	24
PSB 403-C	415	150	110	393	136	105	2	105	12
PSB 404-C	415	220	135	393	210	130	2	130	12
PSB 405-C	415	300	135	393	282	130	2	130	6
PSB 406-C	415	300	185	393	282	180	2	180	6

All dimensions in mm Approx



For more models & product details please contact us.

# Shelving Unit



## Size 1275 (h) X 900 (w) X 400 (d) mm

### ASU 7C



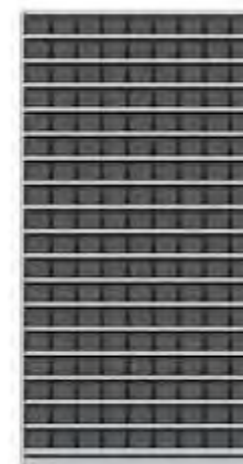
### ASU 7C Shelving Unit Consists of :

- 1 Set of ASUB 124 Shelving Body.
- 13 Nos of Shelves - Art No : ASUS 400
- 1 No of Kick Plate - Art No : ASUKP
- 9 Nos of PSB 401-C Bins on each shelf.
- Total 108 Nos of PSB 401-C Bins.

	<b>PSB 401-C BIN SIZE</b> Length Width Height 415mm 100mm 60mm
	<b>PSB 402-C BIN SIZE</b> Length Width Height 415mm 100mm 110mm
	<b>PSB 403-C BIN SIZE</b> Length Width Height 415mm 150mm 110mm
	<b>PSB 404-C BIN SIZE</b> Length Width Height 415mm 220mm 135mm
	<b>PSB 405-C BIN SIZE</b> Length Width Height 415mm 300mm 135mm
	<b>PSB 406-C BIN SIZE</b> Length Width Height 415mm 300mm 185mm

## Size 1875 (h) X 900 (w) X 400 (d) mm

### ASU 37C



### ASU 37C Shelving Unit Consists of :

- 1 Set of ASUB 184 Shelving Body.
- 19 Nos of Shelves - Art No : ASUS 400
- 1 No of Kick Plate - Art No : ASUKP
- 9 Nos of PSB 401-C Bins on each shelf.
- Total 162 Nos of PSB 401-C Bins.

	<b>PSB 401-C BIN SIZE</b> Length Width Height 415mm 100mm 60mm
	<b>PSB 402-C BIN SIZE</b> Length Width Height 415mm 100mm 110mm
	<b>PSB 403-C BIN SIZE</b> Length Width Height 415mm 150mm 110mm
	<b>PSB 404-C BIN SIZE</b> Length Width Height 415mm 220mm 135mm
	<b>PSB 405-C BIN SIZE</b> Length Width Height 415mm 300mm 135mm
	<b>PSB 406-C BIN SIZE</b> Length Width Height 415mm 300mm 185mm

For more models & product details please contact us.

# Shelving Unit

Size 1875 (h) X 900 (w) X 400 (d) mm

ASU 42C



**ASU 42C Shelving Unit Consists of :**

- 1 Set of ASUB 184 Shelving Body.
- 9 Nos of Shelves - Art No : ASUS 400
- 1 No of Kick Plate - Art No : ASUKP
- 3 Nos of PSB 406-C Bins on each shelf.
- Total 24 Nos of PSB 406-C Bins.

Size 2175 (h) X 900 (w) X 400 (d) mm

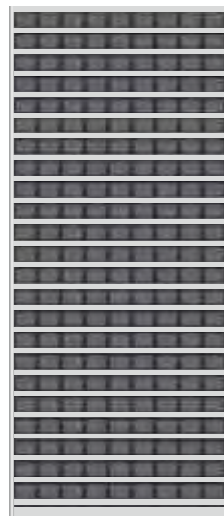
ASU 70C



**ASU 70C Shelving Unit Consists of :**

- 1 Set of ASUB 214 Shelving Body.
- 13 Nos of Shelves - Art No : ASUS 400
- 1 No of Kick Plate - Art No : ASUKP
- 4 Nos of PSB 404-C Bins on each shelf.
- Total 48 Nos of PSB 404-C Bins.

Size 2375 (h) X 900 (w) X 400 (d) mm



ASU 97C

**ASU 97C Shelving Unit Consists of :**

- 1 Set of ASUB 234 Shelving Body.
- 24 Nos of Shelves - Art No : ASUS 400
- 1 No of Kick Plate - Art No : ASUKP
- 9 Nos of PSB 401-C Bins on each shelf.
- Total 207 Nos of PSB 401-C Bins.

	<b>PSB 401-C BIN SIZE</b> Length Width Height 415mm 100mm 60mm
	<b>PSB 402-C BIN SIZE</b> Length Width Height 415mm 100mm 110mm
	<b>PSB 403-C BIN SIZE</b> Length Width Height 415mm 150mm 110mm
	<b>PSB 404-C BIN SIZE</b> Length Width Height 415mm 220mm 135mm
	<b>PSB 405-C BIN SIZE</b> Length Width Height 415mm 300mm 135mm
	<b>PSB 406-C BIN SIZE</b> Length Width Height 415mm 300mm 185mm



# ORGANISERS

*Ideal for small part storage*

Hospital & Pharmacies

Gems & Jewellery

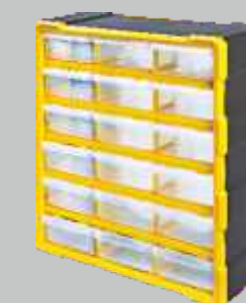
Schools & Offices

Hardware & Stores

Art & Crafts

Electronics

Garages



ACO 18



ACO 39



ACO 60

For more models & product details please contact us.

# Component Organisers



## ACO 18



**Storage Cabinet Size:**  
455 (H) x 424 (W) x 160 (D) mm

### Component Organiser 18 Drawers Art No: ACO 18

Standard Packing : Inner Shrink wrapped - 1 pc.  
Master Ctn. Packing : 4 pcs  
Volume per box CBM : 0.16  
Colour : Golden Yellow frame & Black body  
Drawer Colour : Transparent  
Partitions : 1 Horizontal per drawer  
Slot for Drawer Partition : 1  
Qty. Storage Drawers : ACO DB - 3 x 6 = 18 pcs  
Clips for mounting on louvre : 4 pcs panel

## ACO 39



**Storage Cabinet Size:**  
455 (H) x 424 (W) x 160 (D) mm

### Component Organiser 39 Drawers Art No: ACO 39

Standard Packing : Inner Shrink wrapped - 1 pc.  
Master Ctn. Packing : 4 pcs  
Volume per box CBM : 0.16  
Colour : Golden Yellow frame & Black body  
Drawer Colour : Transparent  
Partitions : 1 Horizontal per drawer  
Slot for Drawer Partition : 1  
Qty. Storage Drawers : ACO DS - 6 x 5 = 30 pcs  
ACO DB - 3 x 3 = 9 pcs  
Clips for mounting on louvre : 4 pcs panel

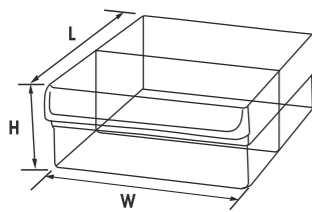
## ACO 60



**Storage Cabinet Size:**  
455 (H) x 424 (W) x 160 (D) mm

### Component Organiser 60 Drawers Art No: ACO 60

Standard Packing : Inner Shrink wrapped - 1 pc.  
Master Ctn. Packing : 4 pcs  
Volume per box CBM : 0.16  
Colour : Golden Yellow frame & Black body  
Drawer Colour : Transparent  
Partitions : 1 Horizontal per drawer  
Slot for Drawer Partition : 1  
Qty. Storage Drawers : ACO DS - 6 x 10 = 60 pcs  
Clips for mounting on louvre : 4 pcs panel



#### ACO Drawer Big Art No: ACO DB

Length	Width	Height
153 mm	125 mm	58 mm



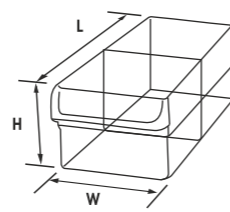
#### AGO Drawer Small Art No: ACO DS

Length	Width	Height
153 mm	60 mm	37 mm



#### AGO Drawer Big Art No: ACO DB

Length	Width	Height
153 mm	125 mm	58 mm

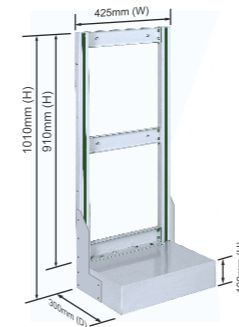


#### AGO Drawer Small Art No: ACO DS

Length	Width	Height
153 mm	60 mm	37 mm

For more models & product details please contact us.

# ACO Combinations with Stands



**Single Sided Base Unit Stand**  
425 (W) x 1010 (H) x 300 (D) mm



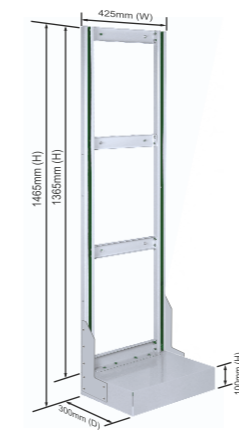
**2 Nos ACO 18 single side**  
Mounted on ATBSS Stand



**2 Nos ACO 39 single side**  
Mounted on ATBSS Stand



**2 Nos ACO 60 single side**  
Mounted on ATBSS Stand



**Single Sided Base Unit Stand**  
425 (W) x 1465 (H) x 300 (D) mm



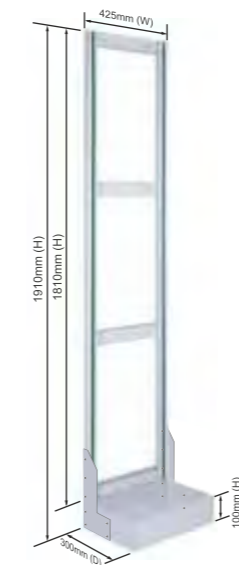
**3 Nos ACO 18 single side**  
Mounted on ATBSS Stand



**3 Nos ACO 39 single side**  
Mounted on ATBSS Stand



**3 Nos ACO 60 single side**  
Mounted on ATBSS Stand



**Single Sided Base Unit Stand**  
425 (W) x 1910 (H) x 300 (D) mm



**4 Nos ACO 18 single side**  
Mounted on ATBSS Stand

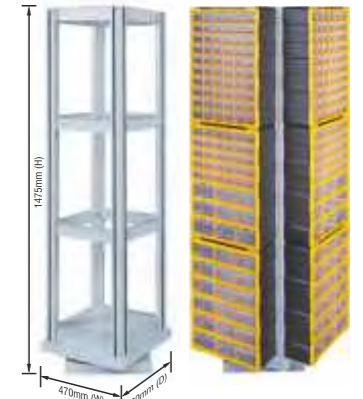


**4 Nos ACO 39 single side**  
Mounted on ATBSS Stand



**4 Nos ACO 60 single side**  
Mounted on ATBSS Stand

## Aco Combinations With Rotary Stand 425



**Rotary Stand 425**  
470 (W) x 1475 (H) x 520 (D) mm

Component Organiser Rotary Stand 425 Unit (RTBRS 425)

Unit size without Component Organiser: 470mm (W) x 1475mm (H) x 520(D) mm

RTB RS 425 BU kit consists of:

RTB 425 mm Rotary turntable base: 1 set (size: 520 mm (D) x 470 mm (W) x 110 mm (H))

RTB 425 mm Rotary stand top & bottom cover: 2Nos (size: 435 mm (D) x 370 mm (W) x 40 mm (H))

Component Organiser Rotary Stand 425 Unit (RTBRS 425)

consists of:

RTB RS 425 BU: 1set

ACO VF 1365: 4sets

RTB HA 335: 12Nos.

RTB HA BT 335: 4Nos.

RTB VFC: 4Sets.

Component Organisers to be ordered as per your requirement.

Permissible UDL on Rotary unit - 80kg



#### Art No.: ACO 25

**Cabinet Size:** 400 mm (W) x 250 mm (H) x 160 mm (D)

**Drawer Size:** 75 mm (W) x 35 mm (H) x 150 mm (D)



#### Component Organiser

#### Features:

- Conductive Component Organiser provides systematic storage of electrostatic sensitive devices.
- It consists of a cabinet with 25 small drawers.
- Size of Cabinet:** 400mm (W) x 250mm (H) x 160mm (D)
- Size of the Drawers:** 150mm (L) x 75mm (W) x 35mm (H)
- Art No.:** ACO 25 - C Conductive
- Made from conductive polystyrene.

\* Double sided stand configurations can also be done for Component Organisers.

For more models & product details please contact us.



# Component Organisers



## Comparison

ITEMS	DESCRIPTIONS	ALCON	VS	IMPORTED	
  	▪ Cabinet Dimension	457 H X 424 W X 164 D MM		470 H X 380 W X 160 D MM	
	▪ Big Drawer Dimension	153 L X 127 W X 58 H MM		152 L X 113 W X 59 H MM	
	▪ Small Drawer Dimension	153 L X 62 W X 37 H MM		152 L X 55 W X 37 H MM	
	▪ Clips for mounting on Louvre panels	✓ YES - 4 Nos.		✗ NO	
	▪ Vertical Pitch of clips for mounting on Louvre panels	267 MM		NA	
	▪ Horizontal Pitch of clips for mounting on Louvre panels	345 MM		NA	
	▪ Wall Mounting Key Holes	✓ YES - 6 Nos.		✓ YES - 4 Nos.	
	▪ Partition with gripper	✓ YES		✗ NO	
	▪ Tight fitted partition	✓ YES		✗ NO	
	▪ Fixing plate fitting provision for rotary & fixed stand	✓ YES		✗ NO	
	▪ Cabinet material	POLYPROPYLENE		POLYPROPYLENE	
	▪ Drawer material	CLEAR POLYPROPYLENE		POLYPROPYLENE	
		▪ Cabinet Dimension	245 H X 293 W X 164 D MM		260 H X 260 W X 160 D MM
▪ Big Drawer Dimension		153 L X 127 W X 58 H MM		152 L X 113 W X 59 H MM	
▪ Small Drawer Dimension		153 L X 62 W X 37 H MM		152 L X 55 W X 37 H MM	
▪ Clips for mounting on Louvre panels		✗ NO		✗ NO	
▪ Vertical Pitch of clips for mounting on Louvre panels		NA		NA	
▪ Horizontal Pitch of clips for mounting on Louvre panels		NA		NA	
▪ Wall Mounting Key Holes		✓ YES - 4 Nos.		✓ YES - 4 Nos.	
▪ Partition with gripper		✓ YES		✗ NO	
▪ Tight fitted partition		✓ YES		✗ NO	
▪ Cabinet material		POLYPROPYLENE		POLYPROPYLENE	
▪ Drawer material		CLEAR POLYPROPYLENE		POLYPROPYLENE	
		▪ Cabinet Dimension	245 H X 555 W X 164 D MM		250 H X 490 W X 160 D MM
		▪ Big Drawer Dimension	153 L X 127 W X 58 H MM		152 L X 113 W X 59 H MM
	▪ Small Drawer Dimension	153 L X 62 W X 37 H MM		152 L X 55 W X 37 H MM	
	▪ Clips for mounting on Louvre panels	✗ NO		✗ NO	
	▪ Vertical Pitch of clips for mounting on Louvre panels	NA		NA	
	▪ Horizontal Pitch of clips for mounting on Louvre panels	NA		NA	
	▪ Wall Mounting Key Holes	✓ YES - 4 Nos.		✓ YES - 4 Nos.	
	▪ Partition with gripper	✓ YES		✗ NO	
	▪ Tight fitted partition	✓ YES		✗ NO	
	▪ Cabinet material	POLYPROPYLENE		POLYPROPYLENE	
	▪ Drawer material	CLEAR POLYPROPYLENE		POLYPROPYLENE	

ALL DIMENSIONS IN MM APPROX

# Material Storage Solutions

## Mezzanine Flooring



Heavy & Medium Duty Racks

For more models & product details please contact us.

# Material Storage Solutions

Palette Racking System



First In First Out (FIFO) Rack



Mobile Compactor

Pigeon Hole Racks



For more models & product details please contact us.

For more models & product details please contact us.

