

ESD ESSENTIALS

PRODUCT CATALOG

PRODUCTS AND SERVICES FOR AUTOMOTIVE
AND ELECTRONIC INDUSTRIES



HCM ANTISTATIC

www.hcmantistatic.ro



Solutions for **you**



HCM ANTISTATIC

We are a company based in Arad, a city in the western part of Romania, supplying equipment and services for the automotive and electronic industry.

We import and deliver a wide range of products and equipment from top European manufacturers like: Charleswater, Vermason, Abeba, TechSpray, Chemtronics, Eurostat, Weller, Seiz, Bondline, Edson.

Our main focus is the electrostatic discharge protection that is required in the production process of electronics. The electrostatic discharge ESD is the phenomenon of electrostatic charge transfer between two objects which can cause damage to electronic circuits. We provide a wide range of products ESD: footwear, protective equipment and all sorts of packaging.

In addition to the mentioned products above we also provide: stretch foils, bubble foils, protection foils, PP bands, cardboards, plastic boxes, plastic palletes, wooden palletes, etc.

OUR PARTNERS

-EUROSTAT-

 **TECHSPRAY®**

abeba

Weller®

DESCO EUROPE

BONDLINE

MENDA

 **PROTEKTOR**

SEIZ

EXCELLENCE IN SERVICES

Professionalism, promptness, perseverance
and top quality equipment.



Distribution of consumables and other materials for the automotive, electronic industry

We deliver consumables and other materials for the Romanian and European electronic industry.

Constructions

We also build civil and industrial constructions, shell or finished houses.
We do renovation and repair work.



Transport

We deliver in Romania and Europe freight transport, including ADR Cargo

ISO Accreditation

Our ISO Accreditation:
ISO 9001, ISO 14001, ISO 45001



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01

**ANTISTATIC AND
SIMPLE PACKAGING**

01 ANTISTATIC AND SIMPLE PACKAGING



ESD and non ESD foils

Bubble foils protecting fragile electronic components during transport.

Stretch foil

Stretch foil with various thickness for automatic and semi-automatic machines.



Adhesive Tapes with Conductive Grid

Pink low tribocharging bags to be used in waste bins. Low Density Polyethylene material

Wrapping adhesive

French an English text "Circuits sensibles to l'electricite statique" and "Observe precautions for handling electrostatic sensitive devices; ESD Symbol"



PP tapes

PP (Polypropylene) tape may be used for multiple purposes aiming to preserve the product safety during special transportation by sealing and binding it.

01 ANTISTATIC AND SIMPLE PACKAGING



ESD Shielding Bags with Zip

Metal-In static shielding bags for packaging ESD sensitive devices. Heat sealable, those bags are available with or without zipper

Moisture Barrier Bags

Low tribocharging humidity barrier bag providing moisture and corrosion protection for sensitive components

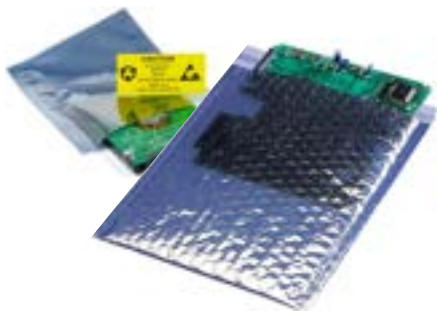


Pink Bubble Bag

Low tribocharging, offering mechanical protection at an optimal price due to a 2 layer co-lamination.

Pink Poly Bag

Heat-sealable bags made from pink low tribocharging and dissipative LDPE (Low Density PolyEthylene)



ESD and non ESD bags

Antistatic bags are bags used for packaging and transportation of electronic components, with the purpose of protecting them from mechanical shocks or of electrostatic discharge.

01 ANTISTATIC AND SIMPLE PACKAGING



ESD PE waste bags

Pink low tribocharging bags to be used in waste bins. Low Density Polyethylene material

ESD Conductive Tubing

Black ESD permanent polyethylene conductive tubing; Excellent grounding properties: it can replace the copper as a conductive mesh when used as a floor cover.



ESD Clay Desiccant

Dessicants absorb residual humidity inside the packaging. Recommended to use with moisture barrier bags

ESD and non ESD sponges

Electrically-conductive sponge for packing electrostatic-sensitive components or plates.



Shielding Shrouds

High quality packaging for protection and shipping of components, semiconductors and sub-assemblies sensitive to electrostatic discharge.

01 ANTISTATIC AND SIMPLE PACKAGING



ESD and non ESD pallets (Euro & EPAL)

These pallets are used for the fragile and less fragile electronic components providing ESD protection.

Standard Dissipative Trays

Eursostat has developed a standard range of trays made of dissipative E-STAT® material with a set of modular dividers and lids to create as many compartements as required.



ESD and non ESD plastic/cardboard boxes

Boxes used to store special pieces, PCB plates or rolls for components.

Conductive cardboard Galia A

Boxes for optimising storage and transport, ideal for pallets;
Material: conductive cardboard, B flute



Pallet-Pack

Pallet Pack guarantees and optimal ESD protection during shipping. All three elements are connected, ensuring electric continuity between them

01 ANTISTATIC AND SIMPLE PACKAGING



E-STAT ESD dissipative PS

No particular emission (sloughing) thanks to the absence of carbon powder; Perfect material for packaging of ESD sensitive items

Circuit Board Shipper with Foam

Constructed from a unique buried conductive layer of impregnated corrugated fiberboard with a static dissipative surface



Reel Storage Container

Dissipative impregnated corrugated material, Economical method of storing reels, Reel identification labels included, Each reel storage box has 15 cells for efficient storage



Conductive PCB Rack

Moulded from a carbon black-filled polypropylene compound; Designed to protect CMOS loaded boards in storage



Vacuum Sealer

The unit uses a low noise, non particle generating compressed air driven ejector vacuum pump which is efficient and maintenance free.



02

ESD PROTECTION

02 ESD PROTECTION



AIR CUSHION 02-0032300

Industries: Horeca, Gastronomy, Kitchen, Pharmaceuticals; Slip resistance on ceramic, covered with SLS solution and on steel substrate, covered with glycerol

REFLEXOR 02-0035710

Industries: Horeca; Slip resistance on ceramic, coated with SLS solution and on steel, coated with glycerol - slip resistance on ceramic substrate, covered with SLS solution and on steel substrate, covered with glycerol



NATURE 02-0004050

Industries: Hospitals, Horeca, Pharmaceuticals; Slip resistance on ceramic, coated with SLS solution and on steel, coated with glycerol

NATURE 02-0004085

Industries: Hospitals, Horeca, Pharmaceuticals; Slip resistance on ceramic, coated with SLS solution and on steel, coated with glycerol



TRAX 01-025840

Industries: Electronics industry, Transport / WarehousesLight industry; ESD - protection against electrostatic discharge Antistatic footwear; The sole resistant to diesel fuel - sole resistance to diesel fuel

02 ESD PROTECTION



AIR CUSHION 02-0032300

Industries: Horeca, Gastronomy, Kitchen, Pharmaceuticals; Slip resistance on ceramic, covered with SLS solution and on steel substrate, covered with glycerol

RUBBER 02-0005310

Industries: Hospitals, Pharmaceuticals; Slip resistance on ceramic, coated with SLS solution and on steel, coated with glycerol; ESD - protection against electrostatic discharge



VELKOR 01-711132

Industries: Transport / Warehouses, Light industry; Slip resistance on ceramic, coated with SLS solution and on steel, coated with glycerol; ESD - protection against electrostatic discharge

X-LIGHT 02-7131036

Industries: Hospitals, Horeca, Medical industry, Food industry, Gastronomy / Kitchen; Slip resistance on ceramic, coated with SLS solution and on steel, coated with glycerol; ESD - protection against electrostatic discharge



ANATOM 02-0032125

Industries: Gastronomy / Kitchen; ESD - protection against electrostatic discharge Antistatic footwear - antistatic properties

02 ESD PROTECTION



X-LIGHT 02-7131860

Industries: Light Industry; Slip resistance on ceramic, coated with SLS solution and on steel, coated with glycerol; ESD - protection against electrostatic discharge

EASY 02-0037631

Industries: Hospitals, Horeca, Pharmaceuticals; Slip resistance on ceramic; ESD - protection against electrostatic discharge; The sole resistant to diesel fuel - sole resistance to diesel fuel



NATURE 02-0004090

Industries: Pharmaceuticals; Slip resistance on ceramic, coated with SLS solution and on steel, coated with glycerol; ESD - protection against electrostatic discharge

X-LIGHT 02-7131138

Industries: Horeca; Slip resistance on ceramic, coated with SLS solution and on steel, coated with glycerol; ESD - protection against electrostatic discharge



ANATOM 02-0032125

Industries: Gastronomy / Kitchen; ESD - protection against electrostatic discharge Antistatic footwear - antistatic properties

02 ESD PROTECTION



Removable Toe Cap

Effective against impacts and compression risks thanks to a steel toecap; Protect the shoe against splashes, cutting risks, dusts and abrasion.

ESD overshoes

Polypropylene shoe covers are made of 100% spun-bond polypropylene. This non-woven fabric helps to filter particles for contamination control in critical environments from the shoe.



ESD Disposable shoe covers

Ideal ESD Safe Solution to protect in dirty, Nontoxic and Non-hazardous environments. Comfortable, durable, and strong, preventing and isolating against dust, particles, and alcohol.

Disposable Heelgrounder & Dispenser

Reliable static charge drain to ground. Designed for visitors who enter an EPA. Heelgrounders are to be worn on an ESD-floor.



Heelgrounder

Slip resistant heelgrounder, designed with a fast-fastening black plastic buckle and a ribbon for insertion in the shoe.



02 ESD PROTECTION



ESD Safe Labcoat

Protective labcoats with thin conductive grid will prevent an operator holding a charge, dissipating electrostatic charges to ground.

Knitted cotton ESD Polo shirt

Comfortable shirt have conductive grid: 3% conductive grid (carbon) and ESD logo on the left sleeve



ESD White Coverall

Comfortable and durable, laundered and packaged in critical environment, hood and boots can be attached

ESD Fleece

Dissipative fleece jacket with central zipper, two pockets and ESD logo.



ESD Dissipative Nylon Light Gloves

Thin ESD gloves to preserve sensitivity. Made of textured nylon with other additives to provide ESD protection with an elastic wrist



03

**PRODUCTION LINE
EQUIPMENT**

03 PRODUCTION LINE EQUIPMENT



Clean room – Polyurethane ESD chair

Antistatic chair made of soft, conductive polyurethane, with an anti-slip seat. The chair has a five-branched base made of chromium-plated steel.

Comfort ESD chair

This chair is characterized by an increased comfort of use, and is covered with high quality, conductive fabric. The chair has a five-branched base made of chromium-plated steel.



Economic ESD chair

Economical model of chair, covered with conductive fabric ($RG < 106 \Omega$). The chair has a five-branched base made of chromium-plated steel.

Comfort polyurethane ESD chair

A modern-looking antistatic chair characterised by its comfortably positioned seat. The seat and the backrest are made of soft conductive polyurethane, with the backrest of adjustable height and distance from the seat.



ESD swivel stool

Antistatic stool made of soft, conductive polyurethane, an anti-slip seat. The stool has a five-branched base made of chromium-plated steel. It ensures high stability and unfailing removal of electrostatic charges.

03 PRODUCTION LINE EQUIPMENT



ESD saddle chair

Antistatic stool made of so, conductive polyurethane, The standing rest has a five-branched base made of chromium-plated steel. It ensures high stability and unfailing removal of electrostatic charges.

ESD stool

ESD swivel stool covered with high quality, conductive fabric. Height adjustment can be achieved thanks to a gas column, providing only one chair heights to choose from.



ESD Cabinets

ESD cabinets are especially designed to keep into ESD-safe environment all SMD products, PBCs, LCDS, and more generally electronic components.

ESD Cabinets

These cabinets are not supplied with any humidity control system.
Powder coating with ESD coating creating a permanent static-safe surface



ESD shelves

Very good dimensional stability in the event of strong temperature variations, thanks to its modular structure

03 PRODUCTION LINE EQUIPMENT



ESD Safe table trolley

Transportation carts are used for tools and components storage and transportation, 4 ESD swivel wheels 152x32 mm

ESD gloves

Metal carts are equipped with four casters, 2 of which are with brakes, and height adjustable shelves.



ESD Workbenches

ESD workbenches are used in assembly lines and reparation workplaces to prevent Electro-Static Discharge (ESD) events from occurring and damaging the product.

Illuminating Magnifier

Suitable for clean room. Provides the best light and magnification with conductive/ESD function. Flexibility and durability metal arm



ESD Stand Stool

Safe thanks to stable base; Integral comfort handles and easy to clean. Space-saving, light and easy to move around



04

ESD TAPES & LABELS

04 ESD TAPES & LABELS



Labels with ESD inscription

Labels required in work areas warning and marking ESD areas. Yellow printed in black, 100 labels per roll.

Kapton Tape

Designed for numerous high temperature masking applications. Material: Low static polyimide (Kapton) film that employs a unique coating with silicone adhesives



ESD labels A

"ESD WARNING" adhesive label 50X25 mm. Disc packaging, 1000 pcs. Warning stickers used in confined electrostatic areas (EPA).

Adhesive tapes

High Temperature Heat BGA Tape
Thermal Insulation Tape Polyimide
Adhesive Insulating adhesive Tape
3D printing Board protection



Superior floor markings

LINE PLAN solid colored floor tapes are the most popular tapes. Our LINE PLAN floor tapes come in multiple sizes, colours and patterns.



05

**TESTING AND MONITORING
EQUIPMENT**

05 TESTING AND MONITORING EQUIPMENT



Access control tester to ESD Protected Areas

The entrance control system (turnstile) helps monitor the equipment of the staff according to the ESD standard.

Combo Tester X3 with Stand

Tests operator's path-to-ground; wrist strap limits 750 kilohms to 10 megohms, footwear limits 750 kilohms to 35 megohms



Extended Coverage Area Ionizing Blower

Designed for complete static neutralization across the entire work surface area; provides complete wide area ionization protection

Digital Surface Resistance Meter Kit

The Surface Resistance Meter is referenced and designed to be used to make measurements in accordance with the test procedures



ESD Tools

ESD Safe dissipative molded on Cushion Grips; Precision machined exact fit tips



06

CLEANING PRODUCTS

06 CLEANING PRODUCTS



ESD vacuum cleaner

Conductive floor vacuum cleaner with microbacterial control filter system for use in ESD protection zones (EPA) of highly sensitive systems.

ESD Safe Spray Bottle

Spray Bottle An ESD safe bottle produced from Antistatic Polyethylene.

Features: Easy to fill and use. Size options: 250ml Yellow or 500ml Blue.



ESD Surface & Mat Cleaner, 950 mL Spray

Removes dust, grease, grime, fingerprints, solder flux and other contaminants from ESD mats and other surfaces

ESD-trash can, 120l

Metal reinforced, made from 2 mm thick fiberboard. Resistance to ground: approx. $10E6 \Omega$



ESD Broom and Dustpan Kit

Handle and brush board are made of conductive plastic and are connected with an aluminium shaft



Bogdan Voievod nr.16, Arad, Romania

0040 740 218 774

office@hcmantistatic.ro