

-EUR⁺STAT-

GLOBAL SOLUTION FOR ESD PROTECTION

RIGID & FLEXIBLE PACKAGING | INSTRUMENTATION & IONISATION | EPA ORGANISATION | PERSONAL EQUIPMENT

*"Eurostat,
pioneer in the protection
of electrostatic discharges"*

Integrated production of ESD packaging

From the early 80's Eurostat has been amongst **the earliest European pioneers for ESD protection**. With nearly 50 years of manufacturing experience, Eurostat has based its growth model on being an integrated manufacturer for most of the products sold and providing a one stop solution to all ESD needs throughout global partnerships.

Integrated industrial model

This is how Eurostat has acquired a unique and recognized expertise, with a **vertically integrated manufacturing facility**, covering raw material extrusion, vacuum forming, flexible packaging manufacturing, and all the necessary secondary operations needed for bespoke packaging solutions.

Our proprietary materials

Moreover, due to our intensive investment policy in production equipment since 2006, the company offers **advanced technical evolutions** to the market, as testified by the **patents** and the **commercial names** that the company has registered to provide very unique materials to our customers: **E-STAT®** (FR 14/4101931, EU 13/187356), **Nano-STAT®** (FR 15/4221290), **Clear-STAT®**, **Soft-STAT®** etc.

As the voting member for France in the IEC committee TC 101, we offer an ESD expertise that we fulfill by engineering new solutions (new materials or finished products...) to satisfy the latest technical evolutions of the industry. We have also invested in our in house ESD characterization laboratory for a better service to our customer.



GLOBAL SOURCING
NETWORK



ESD PROTECTION
SPECIALIST



VOTING
MEMBER



MEMBER OF
DOU YEE GROUP



30 MILLIONS
TURNOVER



+3 000
CUSTOMERS

TODAY EUROSTAT OFFERS 6 PRODUCT FAMILY:



RIGID PACKAGING



FLEXIBLE PACKAGING



INTRUMENTATION
& IONISATION



EPA ORGANISATION



PERSONAL EQUIPMENT



CARE-STAT
SELECTION

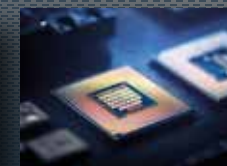
Our range of activities



LIFE SCIENCE



COMPONENT



CARD



MODULE



ASSEMBLY



CLEANROOM



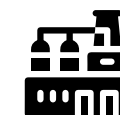
50 YEARS
OF EXPERIENCE



E-SHOPPING
SOLUTION



DIRECT PRESENCE
IN 15 COUNTRIES



2
FACTORIES



6
SUBSIDIARIES



120
COLLABORATORS

EUROSTAT IS A UNIQUE GLOBAL SUPPLIER OF ESD AND MICRO NUISANCE PROTECTIONS ON THE EUROPEAN MARKET

"Many electronic components and assemblies used in high quality products technology can be damaged or degraded by the sudden exchange of static electric charge. This electrostatic discharge, or ESD event, is the reason why companies handling sensitive electronic components must take action to minimize risk."



In order to avoid those damages, it is necessary to implement the protective measures aiming an elimination of all static electricity sources. Nevertheless, if the static discharges appear, Eurostat has developed a whole range of materials and products, providing protection for electrostatic sensitive devices.

- **CONDUCTIVE MATERIALS**

Allow a **rapid discharge** to ground. These materials ensure a bond with ground but do not mitigate the energy exchanged during a discharge.

- **DISSIPATIVE MATERIALS**

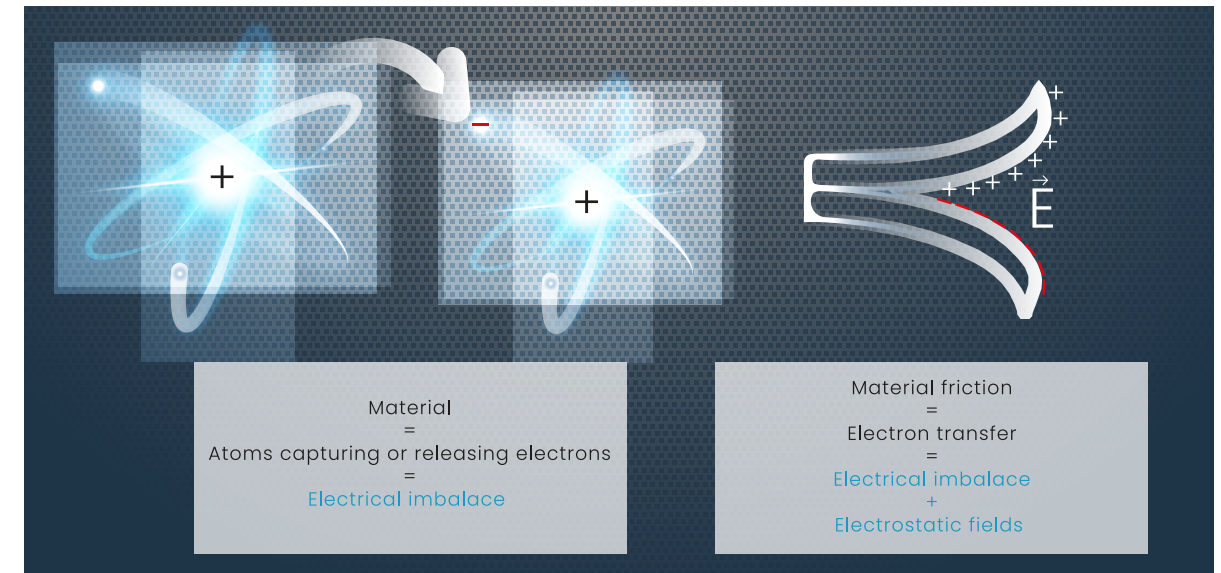
Provide a **low energy discharge** from the charge carrier to the ground, reducing the risk of potential damage.

- **INSULATIVE MATERIALS**

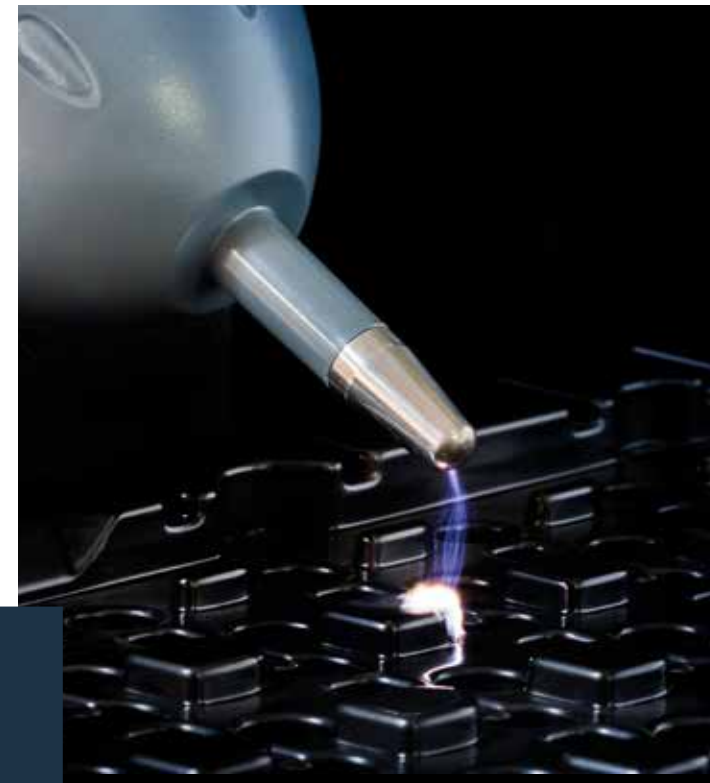
Offer **no grounding** of electrostatic charges.

WHAT IS ESD ?

(ELECTROSTATIC DISCHARGE)



Static electricity is a phenomenon which happens when two surfaces contact each other and are then separated. It's at this moment that an exchange in electrons between both surfaces can occur, that creates charges at the surface of both materials.



DISCHARGES

EFFECTS

Components affects:
Components destroyed or damaged.
Unusable products or degraded performance.
Products with permanent or random malfunctions.
False results during the tests (good result, the defect will appear later).

Commercial impact:
Need to replace / repair products.
Expensive delays & alterations / increased delivery times.
Damaged image of your business

EUROSTAT KNOW-HOW



ESD RIGID PACKAGING PRODUCTION

Thanks to a thorough knowledge and experience in **solid state physics** and **electronics**, Eurostat's aim is to offer some innovative solutions for the **protection** of devices sensitive to **ESD** hazards and **particle contamination**, during production and shipment processes.

To achieve this target, Eurostat made massive investments in **extrusion technology**, **vacuum forming**, assembly and machining of plastic materials

Our **integrated production** enables Eurostat to be a dedicated supplier for the handling and the packing of industrial products sensitive to micro-nuisances.

Over the years, Eurostat has acquired specific industrial know-how resulting in **some original patent pending** industrial processes. Thanks to a long experience in thermoplastic extrusions, Eurostat has engineered some proprietary compounds, such as **E-STAT®** or **Nano-STAT®**, to offer appropriate and competitive solutions for the protection against ESD hazards.

Eurostat is involved in partnerships to propose innovative logistic solutions meeting emerging and future customer needs.



ESD FLEXIBLE PACKAGING PRODUCTION

Eurostat is the **most important European manufacturer** for flexible packaging dedicated to the protection of devices sensitive to electrostatic discharges.

Thanks to the synergy with **Dou Yee**, Eurostat proposes a complete range of standard and customized bags, **produced in Europe** with technical films, covering all the needs: components, electrical devices or printing circuit boards etc.

MANUFACTURING CAPACITY

Eurostat benefits from a fully vertically integrated production facility:

- Flexible packaging production
- Secondary operations workshop
- Multiple laminated films for complex bags

FULL CONTROL OF OUR PRODUCT RANGE

ONE STOP SHOP FOR ESD SUPPLIES
PARTNERSHIP WITH PREMIUM SUPPLIERS

THE EXPERTISE OF COMPLETE PROCESSING

TRADE

Thanks to the synergy with Dou Yee Group, Eurostat has an access to a **full range of ESD & cleanroom consumables**.

Our supplier's dual sourcing approach allows to maintain the leverage of the volume effect while minimizing risks and improving partnership. This partnership leads to more flexibility and security for our customers.

SUPPLY CHAIN

- Holistic platform for consumables
- Integrated industrial model
- Voting Member at the IEC Committee
- Localized Supply chain to cover the European market





RIGID PACKAGING



INTEGRATED INDUSTRIAL MODEL

"Our expertise of complete processing includes: material selection, extrusion, tooling, packaging design, prototyping, test validation and mass production, allowing us to completely satisfy our customer needs."

The expertise of complete processing

A VERTICALLY INTEGRATED MANUFACTURING AIMING AT 100% RECYCLED MATERIAL

Eurostat for over 30 years, has been a producer of its own raw material. This allows us to be the **owner of registered innovative materials**, embodying our know-how. These materials are the **result of internal development and collaborations with research facilities and partnerships world-wide**. These registered materials represent an advancement for the market of protection against micro nuisances.

OUR ORIGINAL AOI PRODUCTION CONTROL

With our patented Automatic Optical Inspection **-AOI-** technology (patent number: FR15/58305), we provide a **full control of the main critical dimensions** of our customer's trays before shipment. Vacuumforming equipments are in a protected environment to eliminate external material contamination.


OUR DESIGN CAPABILITIES

RDM simulation, 3D-printing, prototyping tools

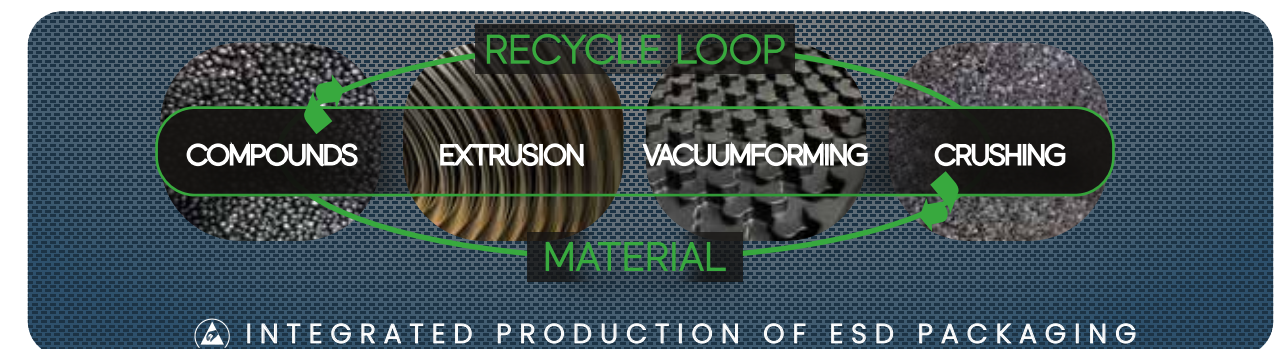
Thanks to our proprietary material knowledge, we can accurately simulate the material resistance behavior of our trays under load, to estimate the tray deformation during its utilisation.

As a **pioneer in 3D-printing usage**, we provide a fast Turn Around Time (TAT) to our customers by offering 3D-printing samples of the cavities designed for their packaging needs.

Our large scale 3D-printing capability can also be used to make 3D-printing molds which enable us to offer fast prototype Turn Around Time on final product, before launching the final production mold.

Eurostat recycled loop to reduce waste and raw material consumption, in the packaging of ESD Sensitive products 

KNOW MORE HERE ABOUT RECYCLING PROGRAM



RIGID PACKAGING

VACUUMFORMING

Manufacturing process where plastic material at high temperature is vacuumed to form the shape of a product.

Eurostat's vacuumformed trays cover **all needs of our market place with dissipative, conductive and insulative materials.**

Dimensions up to 800 x 600 mm Thicknesses covering from 0.6 to 6 mm.

TRACK AND TRAY

Intelligent packaging full time monitoring of tray movements with ERP full integrated.

Track & Tray®

Real-time tracking of vacuumformed trays used in automated production lines for ESD sensitive products.

PATENT N° 19/10531

TRAY TRACKING THROUGH VDA/ODETTE LABEL

TRAY LEVEL E-LABEL

ERP COMPATIBLE TRAY E-LABEL



- ✓ Write and read the data you want
- ✓ Access your data at any time
- ✓ Refine the visibility of the performance of your production lines

Dissipative trays

• **E-STAT®** The only safe solution to ESD handling Volume dissipative material, adapted to clean environment.

No heavy metal content, no particular emission due to the absence of carbon powder.

• **Color-STAT®** very cost competitive non blade static dissipative material. Very handy when visual screening is necessary. Color-stat trays have the same characteristics as E-STAT®.

• Clear-STAT®

Permanent dissipative and transparent Amorphous PolyEthylene Terephthalate (APET).

Conductive trays

• Nano-STAT®

PolyStyrene film and carbon Nano tubes. Recommended in protected area when no ESD events can occur. No heavy metal content, does not slough any black carbon. Avoids particle contamination

• Soft-STAT®

Soft-Stat® offers a surface that cushions vibrations and mechanical shocks and is tear resistant. Depending on the thickness, Eurostat offers 2 product families: conductive ABS/TPU & conductive PS/PE

Customized solutions:

Eurostat has a long experience and a dedicated workshop specialised in secondary operations for customised solutions.

- Combination of foam with tote boxes and trays
- In house cutting of foam (CNC)
- Divider manufacturing in house
- Assembly of final product in house
- ESD Safe pallet-pack





FLEXIBLE PACKAGING



Integrated model with in-house production capability:

Raw materials supplied internally within the group
 Dou Yee: N°1 producer of static shielding and moisture barrier film
 5 production lines in Europe
 Customized sizes production ability

Eurostat provides a wide range of technical films adapted to all types of sensitive components.

MBB (Moisture Barrier Bags)

Films with different thickness and MVTR for moisture and ESD sensitive components.

Low generating films

Various types of films for the shipment of finished products compatible with ESD sensitive and clean environments.

SSB (Static Shielding Bags)

Films with different thickness for protection of ESD sensitive products.

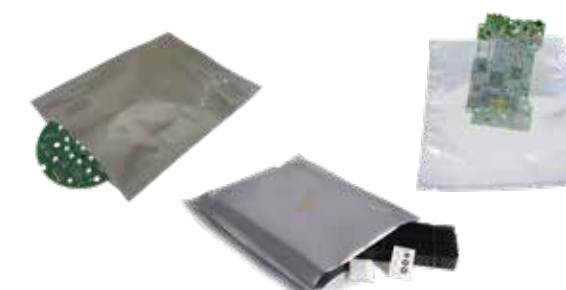
Low tribocharging bubble film

Offers mechanical protection against shocks and ESD protection.

VCI (Vapor Corrosion Inhibitor)

Low generating films providing a protection to corrosion.

To complement our range of flexible packaging, Eurostat offers sealing machines with or without vacuum. This allow better storage for components sensitives to corrosion humidity and ESD.



OUR SOLUTIONS FOR YOUR PRODUCTS

Eurostat, **specialist in flexible packaging and accessories dedicated to the protection against electrostatic discharge (ESD)**, produces a wide range of **top quality packaging** for protection and shipping of components, semiconductors and sub-assemblies sensitive to electrostatic discharges.

- ✓ Inhouse manufacturing
- ✓ Customization on request dimension, thickness, zip, printing
- ✓ Standard sizes on stock
- ✓ Short manufacturing and delivery time

Static Shielding Bags

- Electrostatic shielding
Faraday cage
- ✓ For PCBs and components
 - ✓ For transportation



VCI Bags

- Anticorrosive Film
Non generating bag
No electrostatic shielding
- ✓ Replacement of generating packaging
 - ✓ Not suited for PCBs and components



HiC/desiccants are proprietary products made within the group



Static Shielding bubble Bags

- Electrostatic shielding
Faraday cage
Reinforced mechanical protection
- ✓ For PCBs and components
 - ✓ for transportation

MBB Bags

- Faraday cage bags
Moisture barrier
- ✓ For PCBs and components
 - ✓ For transportation



Pink PE Bags

- Non generating PE
Limited shelf life
- ✓ Replacement of generating packaging
 - ✓ Not suited for PCBs and components



Black conductive Bags

- Low resistance high conductivity PE
Fast charge neutralisation
- ✓ No charge equilibrium between inside and outside
 - ✓ Suitable for handling of explosives, ignition sensitive products...



Permanent Bags

- Permanent non generating PE
Unlimited shelf life
- ✓ Replacement of generating packaging
 - ✓ Not suited for PCBs and components



PACKAGING ACCESSORIES HIC AND DESSICANTS



EPA ORGANISATION

"Eurostat provides a wide range of products for ESD protected areas (EPA) to protect against electrostatic discharge"

EQUIPPING AN EPA

The necessary equipment to protect a production area is as follows:

- A workbench
- A fabric or vinyl chair (vinyl for clean rooms),
- A table mat,
- A wrist strap/cord
- A universal terminal to ground the wrist strap, if possible with an earth bonding point under the workbench,
- A grounding terminal plate to ensure the safety of the setup,
- A table ionizer.

Furniture, Floor & Accessories

WORKSPACE AND CONSUMABLES:

Workbenches
Chairs & Stools
Trolleys & Shelves
Table Mats
Floor grounding
Grounding accessories
Cleaning products

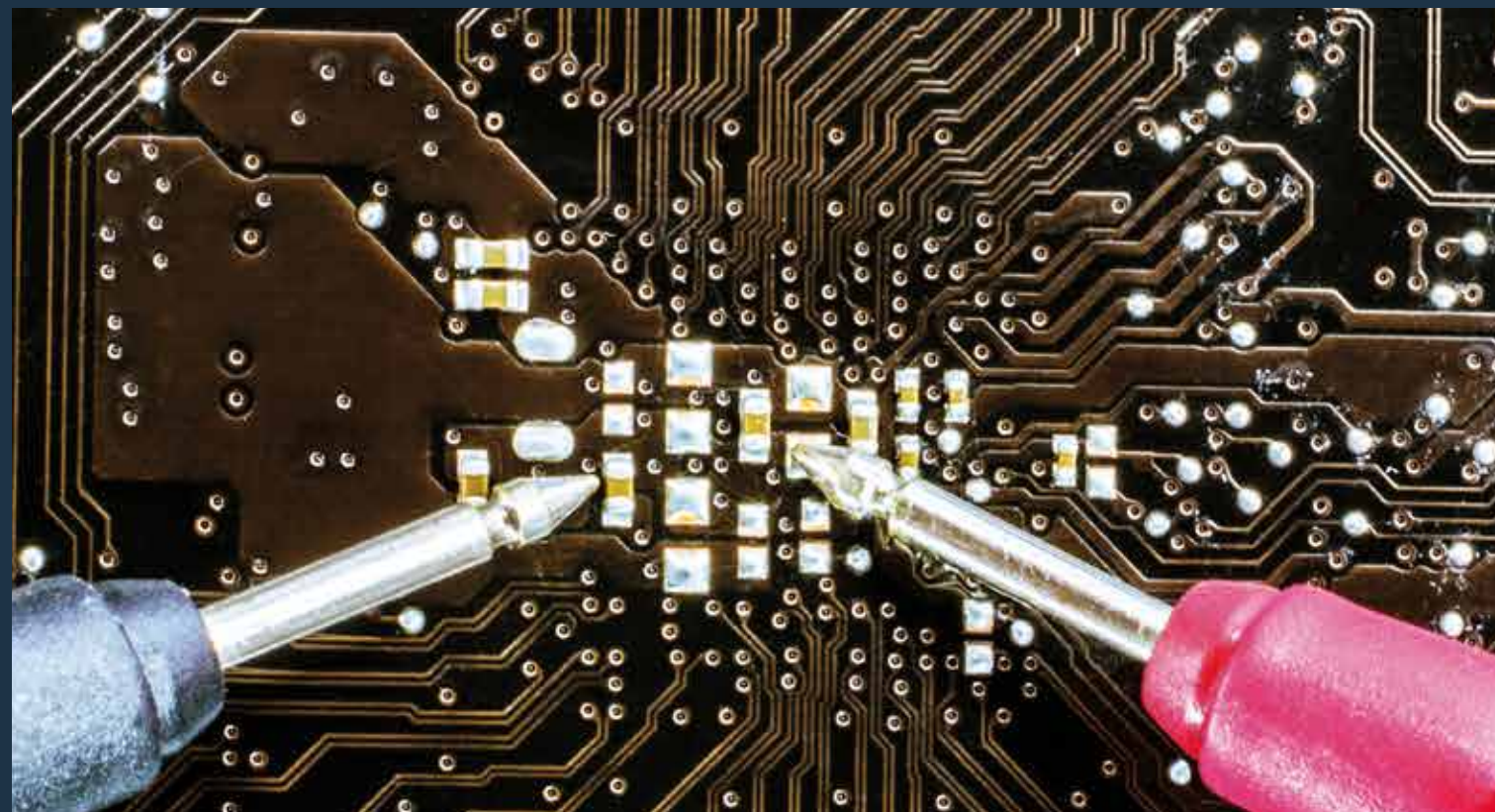


Workstation supplies & Storage

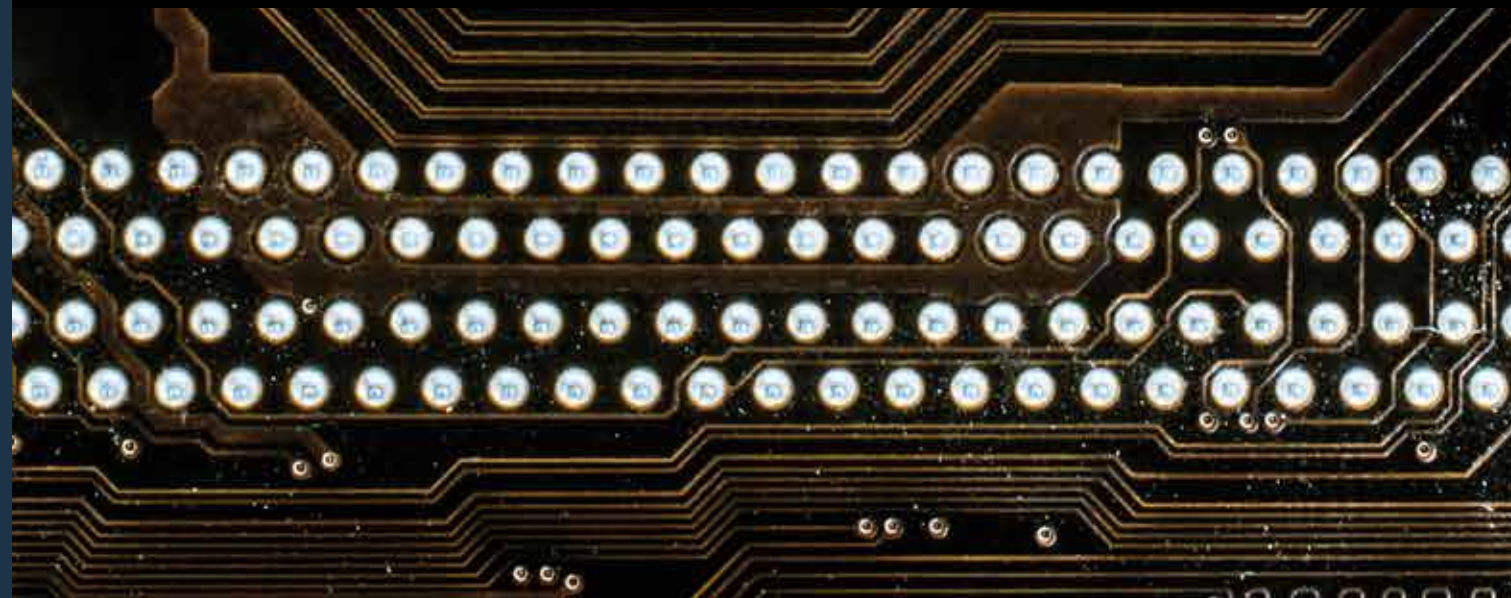
MISCELLANEOUS:

Workbench organisers
ESD Binders & Pouches
Offices supplies
Tape
ESD tools, brushes, swabs
Packaging accessories





INSTRUMENTATION IONISATION



EUROSTAT CONTROL ACCESS SYSTEMS

Eurostat has developed universal access control systems that locally saves the data and make them available on the company network.

ESD GATE dual or mono swing gate



Solution for wheelchairs and trolleys

- ✓Standard or Contactless measurement
- ✓Measurement < 2 sec
- ✓Entry passing speed 10-15 pers/min to 5-10 pers/min RFID version
- ✓High flexibility in testing mode
- ✓Measure under ± 10 VDC
- ✓Independent measures for left and right shoes
- ✓Test Ranges:
 - Wrist: 750 K Ω to 35 M Ω
 - Shoes: 100 K Ω to 200 M Ω
- ✓Test result visualisation: left and right shoes, wrist
- ✓Visual and audible Indicators of the direction of passage: Denied, Left, Right
- ✓Tested equipment & test ranges fully configurable by software
- ✓Automatically generates reports for the ESD coordinator

ESD TURNSTILE

- ✓Standard or Contactless measurement
- ✓Test operators very quickly < 2 sec.
- ✓Automatically generates reports for the ESD coordinator
- ✓Connected version, RFID reader compatible with most HID cards
- ✓High flexibility in testing mode
- ✓Measure under ± 10 VDC
- ✓Test Ranges:
 - Wrist: 750 K Ω to 35 M Ω
 - Shoes: 100 K Ω to 200 M Ω
- ✓Test result visualisation: left and right shoes, wrist
- ✓Visual and audible Indicators of the direction of passage: Denied, Left, Right
- ✓Tested equipment & test ranges fully configurable by software



PROSTAT

SALES CHANNEL

METROLOGY

MEASURING INSTRUMENT

Eurostat has always historically offered **premium quality ESD products**, including test and measurement equipment for users and auditors alike.

Sales channel of Prostat, the leading manufacturer of premium ESD control related instruments

Tera-Ohm meter
Resistivity indicator
Electrodes
Fieldmeter
Surface resistance System kit
Autoanalysis system kit
Esd Auditors kit



OFFICIAL DISTRIBUTOR

OF SIMCO ION

IONISATION

STATIC CHARGE CONTROL FOR SENSITIVE ELECTRONICS

Air ionisation maintains the integrity of components, subassemblies and finished products by neutralising static charge generated during the manufacturing process or during transport to final test and rework.

Official Distributor of Simco ion, the Worldwide Leader in Ionization Solutions
Static Control & Particulate Contamination Control



LIFE SCIENCE MANUFACTURING
Reduce yield losses, improve product quality!

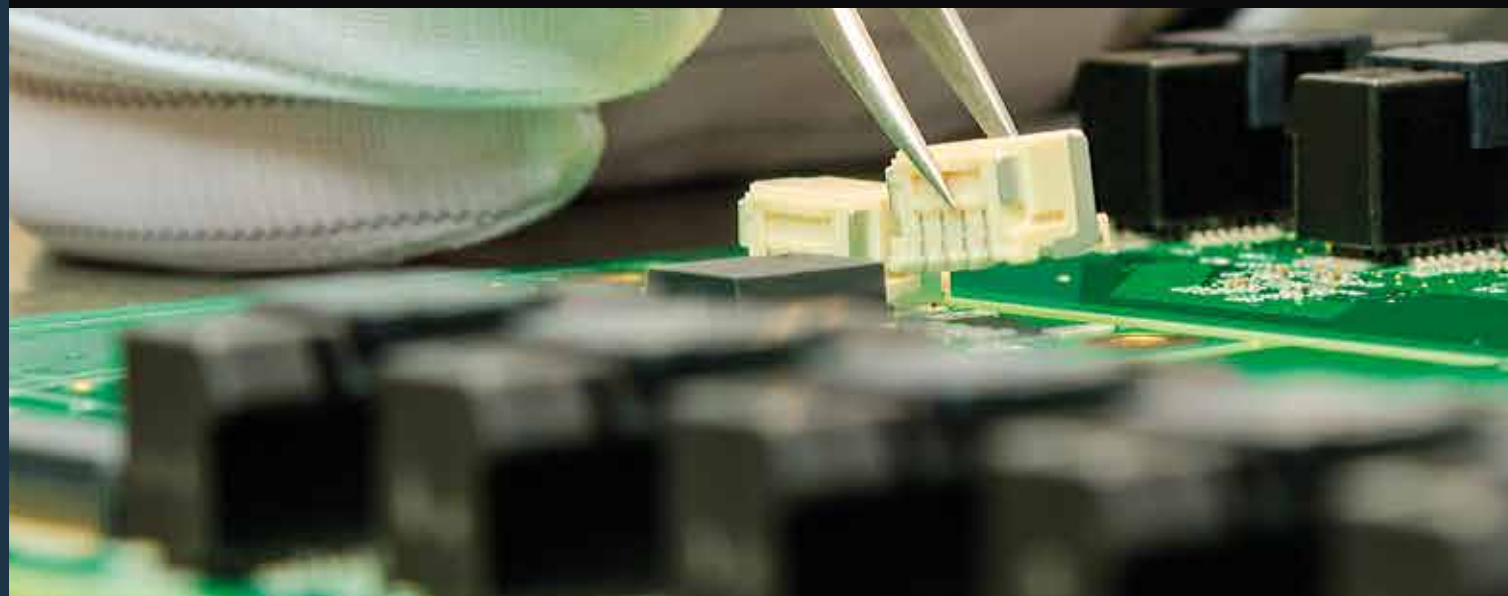
SIMCO IONTM
An ITW Company

Ionization for every application to control
particulate contamination:
For product Assembly or packaging areas
For cleanroom environments
For mini-environment and benchtop areas...





PERSONAL EQUIPMENT



As a member of the Dou Yee Group, World leader in ESD solutions, we offer a **high quality range** of equipment for traceability and conformity to industry standards EN-100015, IEC61340-5-1.

With **quality approvals** for over 13 years, Eurostat are accredited to ISO 9001 – 2015.

Our internal **characterization laboratory**, allows us to ensure that all of our products offer conformity to the highest standard.

We provide dedicated equipment to prevent the possibility of risk to product and staff, protecting against electrostatic discharge and particle contamination.

A full offer of ESD safe garments:

- Lightweight ESD labcoats,
- High shielding labcoats,
- ESD safe jackets & sweaters.

Exhaustive range of ESD safe shoes, gloves, finger coats...:

- Eurostat original brand,
- Dedicated partnerships,
- Customized products upon request.



Thanks to the quality organisation set up with Dou Yee and partners in Asia, we are in capacity to provide a **full range of health & care consumables** (Covid-19, Cleanroom environment) with a dedicated catalogue and with a registered commercial name:



-CARE®STAT-

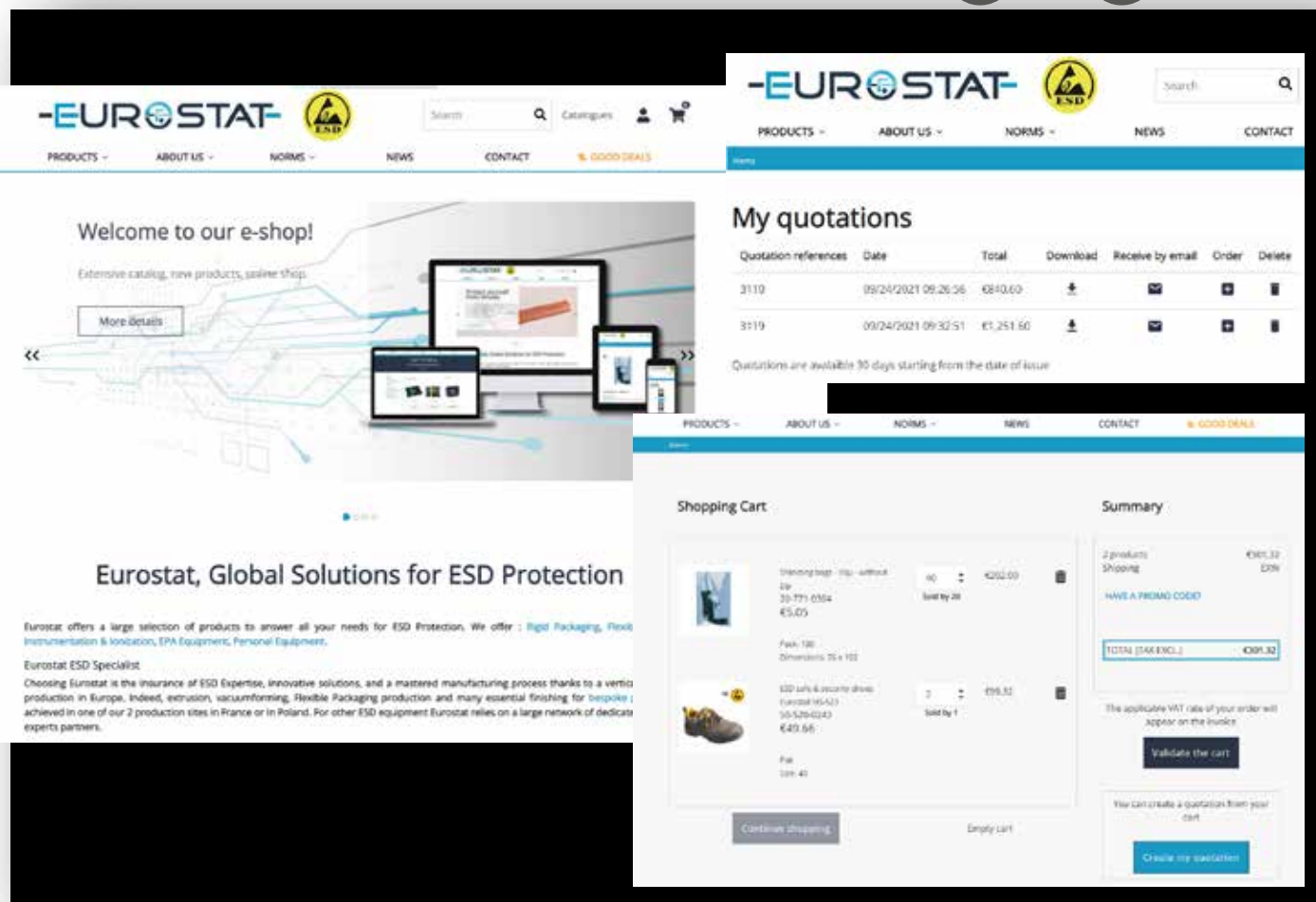


STATE OF THE ART E-SHOPPING SOLUTION

Online shopping interface for a smooth shopping experience:

- All Product catalogue products available with more than 1 000 references
- Technical Data sheets
- Easy to navigate with responsive interface
- Product finder (search per references)
- Full functions available 24/7
- Customer's price list, customer's contract conditions accessible through ID and password
- Order history memorized
- Quotation module
- Item availability
- Shipment and transport details available online

Save your time, shop online!
www.eurostatgroup.com

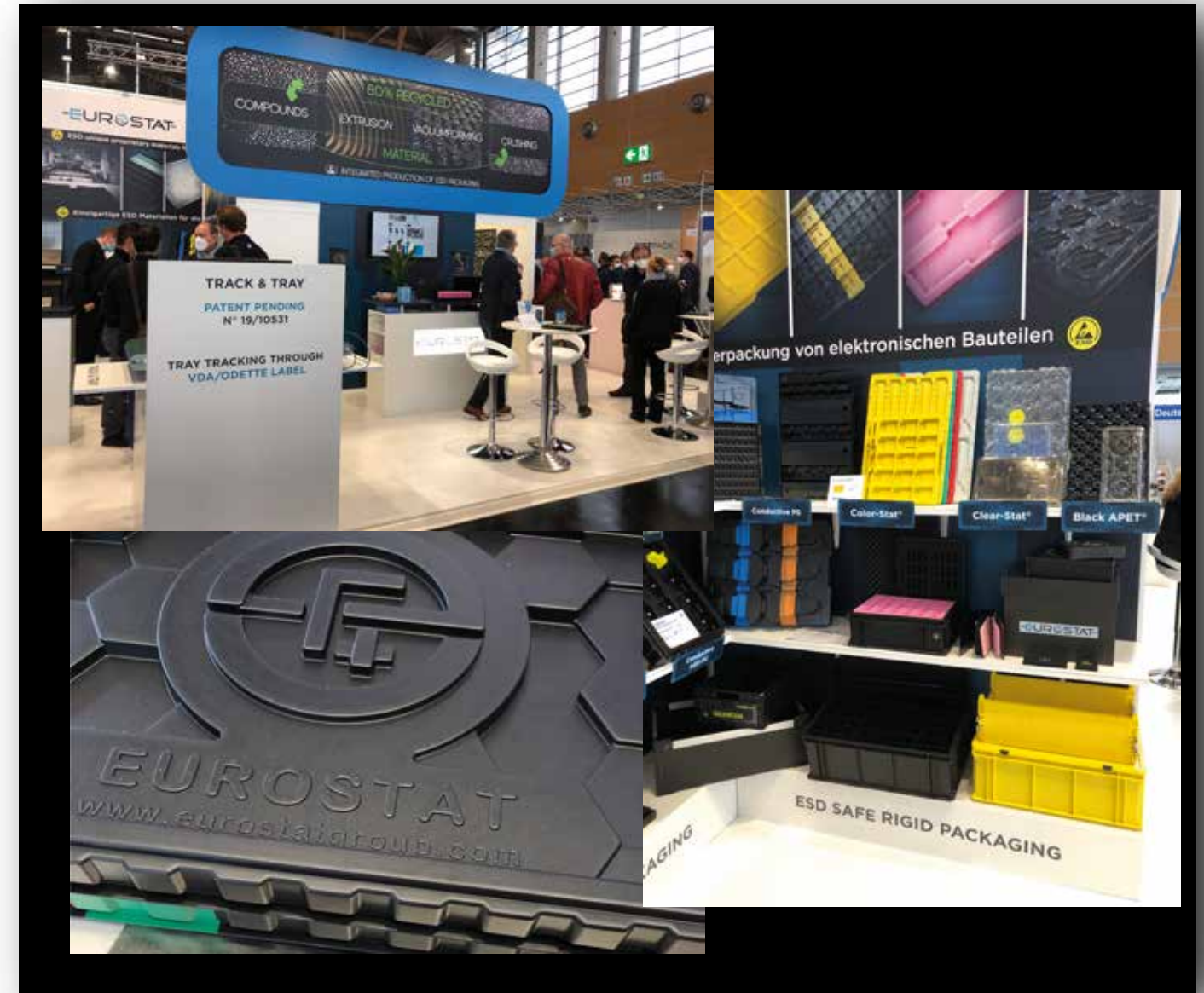


COMMUNICATION FOLLOW US...

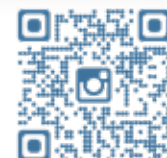
Presence on international fairs:

Fachpack, Productronica, Amper, Empack, Everting, SEE...

Partnerships and exhibitions alongside major cataloguists



Follow us on LinkedIn, Instagram & YouTube



NORMS AND STANDARDS



ISO 9001
Eurostat has been **officially ISO 9001 certified** for more than 20 years now! Our Quality Department monitors continuous improvement, with an emphasis on performing **internal audits** in order to maintain our quality management system and identify potential trends. Our activities of design, manufacturing and sales of ESD safe products are **regularly evaluated by the international organization LRQA**.

Our commitment ensures that we continuously align our process to the required **level of excellence** in order to offer our customers the best product at the best price

ESD standards

The CEO of Eurostat is also the president of the French Committee (working group TC 101-WG5&13 dedicated to ESD) at the International Electrotechnical Commission board and **permanent voting member** status (P member) for France. Thereby, we are participating to the latest standards setting and we are able to monitor the normative texts evolution and qualify new ESD safe solutions, meeting the current requirements. Our products for the protection of devices sensitive to ESD hazards are qualified and tested according to the **IEC 61340-5-1 International Standards** and the defined testing methods. We give our customers the guarantee of superior quality products.

In addition, our quality and purchase department are closely following latest regulation (REACH, ROHS, CE). As such, we continually assess our product portfolio and take all the appropriate measures with our suppliers to be sure they correctly fulfill their legal and regulatory obligations.



TRAINING

Certified training institute (agreement number: 43390015239)

IEC – TC 101 – Permanent Voting member for French Committee
3 levels of training following IEC norm guidelines
Level 1 – ESD Awareness
Level 2 – Technical coordinator
Level 3 – In house expert



REPAIR & EXCELLENCE CENTER

- Site Audit
- Highlight existing in-situ gaps
- Characterisation & report
- Define the electrostatic features of your product
- Technical Service and Installations
- Maintenance
- Repair
- Calibration
- Verification



EUROSTAT GROUP

GLOBAL SOLUTION, LOCAL FOCUS

 DIRECT PRESENCE

 DISTRIBUTORS

 WAREHOUSES

 MANUFACTURING SITES

 CITIES SALES OFFICES

