

Over 40 years Experience – High Precision German Machines

Custom Thermoformed Packaging

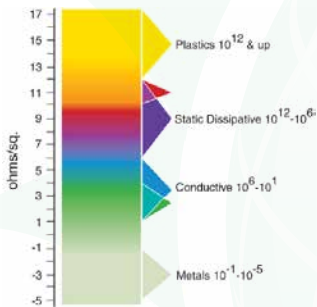
Returnable – Disposable Packaging

Concept • Design • Prototype • Manufacture



ESD Protective Packaging

SURFACE RESISTANCE



ESD safe trays are used for packaging, shipping, storage and during production of sensitive electronic components.

Protecting sensitive electronic components during shipping and production with ESD thermoformed trays insures the quality of these components at final assembly. Advantages of vacuum formed trays compared to injection molding are: *low cost tooling, faster turn around, low quantities, large number of ESD materials.*

The quality of ESD materials differs greatly from different suppliers. At Sohner Plastics we developed trusted suppliers over the years and we test every batch before and after thermoforming. The design of the tray is critical for the protection of the parts and we have extensive experience with many different parts. We developed specialized tooling for High Precision automation trays and we provide high quality trays for your components.

Common ESD Materials:

HIPS-ESD

High Impact Polystyrene

Carbon filled, permanent conductivity, 10^1 to 10^6 Ohm. Excellent for high precision trays for automation.

Available in Conductive and Dissipative, sheet thickness up to 12mm. Black or other colors.

PET-ESD

Polyethylene Terephthalate

ESD coating over PET substrate, surface resistivity of 10^8 to 10^{10} Ohm. Ideal for disposable trays. Estimated shelf life after thermoforming at least 6 months.

Available thickness .010" to 0.045", clear or other colors.

HMWPE-ESD

High Density Polyethylene

Available in dissipative or conductive. Sheet thickness up to 12mm.

Available in black or other colors.

ABS-TPU-ESD

Acrylonitrile Butadiene Styrene/Polyurethane

Available in dissipative and conductive. Sheet thickness up to 12mm. Shaving resistant for sharp edges parts.

Available in black or other colors.

Precision Custom Thermoformed Packaging
Returnable - Disposable



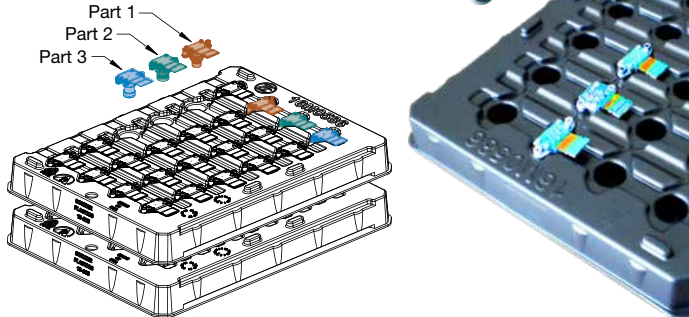
SohnerPlastics
Intelligent Packaging Solutions

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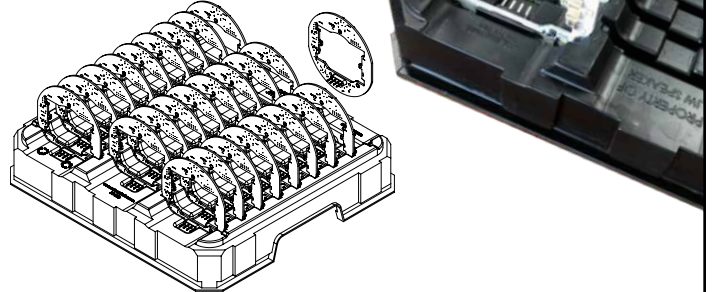
High Precision Automation Tray

- For WIP and shipping
- Part with flexible ribbon cable and "no touch" area
- Holds 3 different parts
- Size 262mm x 352mm x 35mm
- Material: **HIPS** Conductive 10^6 Ohm



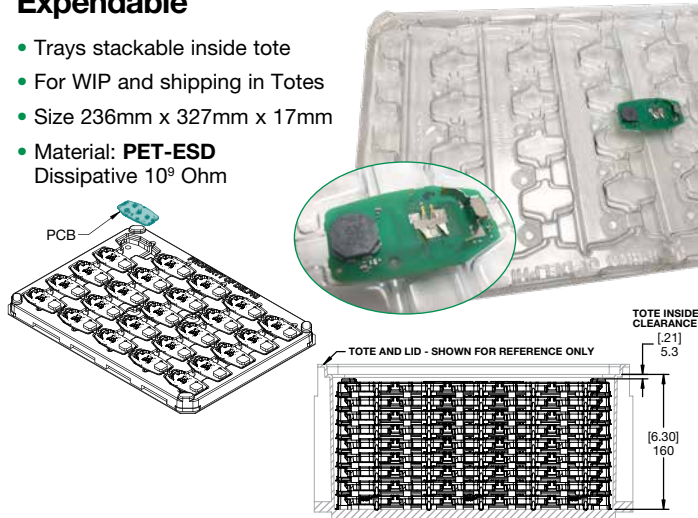
High Precision Automation Tray

- For production and shipping
- Parts with many "no touch" surfaces
- Size 368mm x 394mm x 72mm
- Material: **HIPS** Conductive 10^6 Ohm
- No tote or box needed



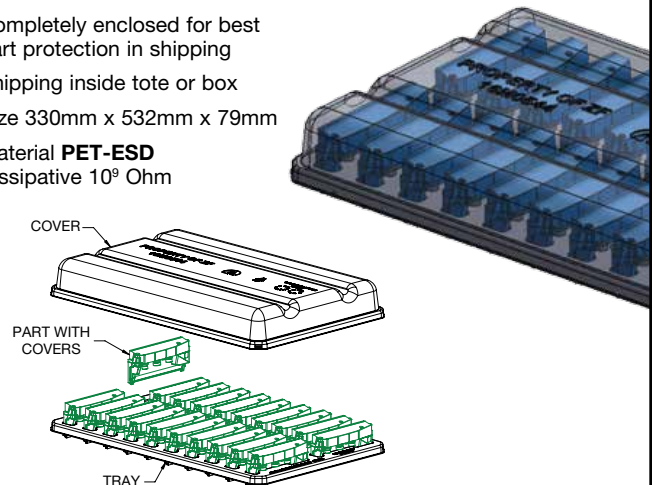
Dissipative Thin Gauge Tray Expendable

- Trays stackable inside tote
- For WIP and shipping in Totes
- Size 236mm x 327mm x 17mm
- Material: **PET-ESD** Dissipative 10^9 Ohm



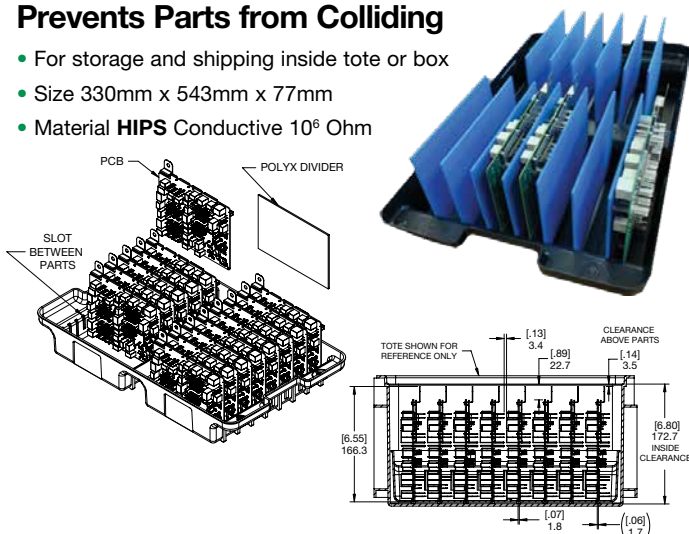
Tray and Lid Thin Gauge Expendable

- Completely enclosed for best part protection in shipping
- Shipping inside tote or box
- Size 330mm x 532mm x 79mm
- Material **PET-ESD** Dissipative 10^9 Ohm



Tray with Dividers Prevents Parts from Colliding

- For storage and shipping inside tote or box
- Size 330mm x 543mm x 77mm
- Material **HIPS** Conductive 10^6 Ohm



Precision Tray for Automation HIPS-ESD

- For production and shipping
- Robotic load/unload
- Size 298mm x 398mm x 59mm
- Material **HIPS** Conductive 10^6 Ohm

