



Since 1992

Eltech Engineers Pvt Ltd

An ISO 9001 - 2015 Company

Static Charger for IML labels



www.eltech.in



Company Profile

ELTECH ENGINEERS PVT LTD, established in 1992 is an ISO 9001:2015 certified Indian Company engaged in the manufacturing activity of Corona treater, Plasma Treatment Systems, Static Charge Eliminator, Static Chargers, Static Meters, Ionizing Air gun, Blowers etc. Our clients always look upto us for their different requirements because of our high quality standards, superior performance, zero defect products, timely deliveries and very reasonable price.

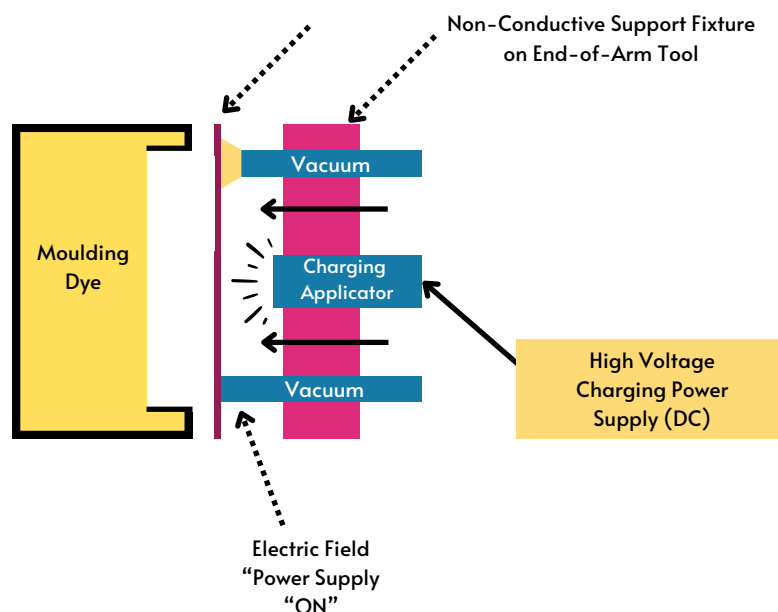
We have installed more than 10,000 equipment worldwide giving solution to different static problem .Static eliminators are used to eliminate static and dust. Static electricity is a problem, which companies face globally. It primarily affects industries, which handle non conductive materials like plastics, paper, board, laminates and textiles. The electrostatic attraction repulsion cause materials to stick to machinery, or to each other, leading to jams, slow machine speed and poor quality and productivity. Friction, pressure and separation are the major causes of static electricity. When humidity is lower, higher static charges are generated. It becomes more noticeable in the months of winter, in dry laminates, and in air conditioned environments.

About Static Charger

In-mould decorating is a process for labeling or decorating a plastic object during the plastic injection moulding process. In the in-mould labeling process, a label or appliqué is placed in the open mould and held in the desired position by vacuum ports, electrostatic attraction or other appropriate means. The mould closes and molten plastic resin is extruded or injected into the mould where it conforms to the shape of the object. The hot plastic envelopes the label, making it an integral part of the moulded object. The difference between glue applied labels and in-mould labels is that a glue applied label is stuck "on" the surface of the plastic object; the in-mould label is embedded "in" the wall of the object. Because an in-mould label or decoration is embedded in the wall of the product through plastic moulding injection, it is very durable and nearly impossible to remove from the object. For injection moulded tubs, all four sides and the bottom can be decorated with a single label during the moulding process, something that pressure sensitive labels cannot do. Finally, all post-mould labeling operations, equipment and costs are eliminated because the in-mould labeled product is ejected from the mould fully labeled and completely decorated.

In-mould foil charger (Static Charger)

Outside the mould, inside the injection moulding machine, the robot picks-up a single, pre-printed PP label onto a dummy core and the label will be transported (high-speed) into the mould cavity (single or multiple). When the label is on the final spot in the mould, the label will be electrostatically charged with the Eltech Static Generator and the several connected charging pins in the dummy-core. After charging the label with a static charge, the label will transfer to the mould wall (grounded) where it sticks due to the electrostatic charge. Now the robot-arm will be pulled back and the mould will be closed and the moulding-process can take place as usual. For this IML process Eltech developed a special rugged and flexible High Voltage cable suitable for cable chains in robot-applications.



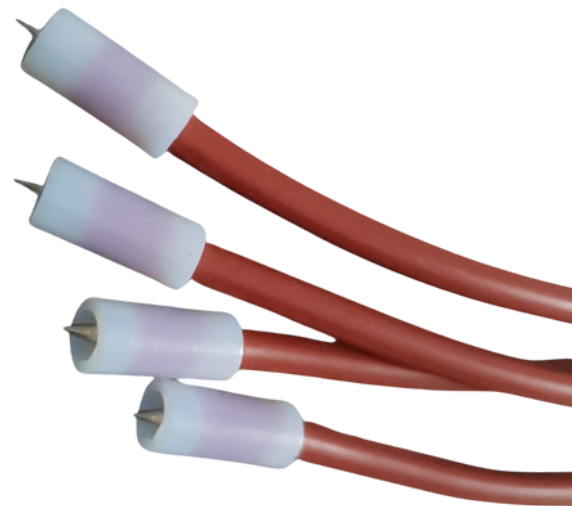
Silent Features

- Flexibility of operation
- Hermetically sealed and potted components are not effected by humid weather.
- High grade insulating materials are used to provide safety to operators.



Technical Specifications

- Supply voltage : 230 V AC
- Output voltage : 16-20 KV DC +/-
- Output current : 5 mA
- Power consumption : approx. 50 VA
- Frequency : 50 - 60 Hz
- Weight : 3 kg
- Polarity : Negative
- Ambient Temperature : 0 - 55 °C
- Construction : MS power coated
- Dimension : 150mm x 170mm x 120mm (LXBXH)



Leader in Static Control since 1992 !!



Eltech Engineers Pvt Ltd

A-108, Diamond Ind Estate, Ketkipada Road, Nr.Toll Naka, Off W. E.Highway,
Dahisar (East), Mumbai-400068. Tel : 022-2897 2424 / 2626 Email :
info@eltech.in Mobile : 8450985885

Since 1992