

## Static Eliminators..... Eliminates Static and Dust



# Eltech Engineers

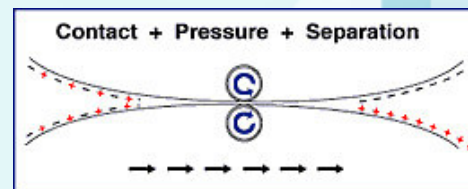
## Introduction

Eltech Engineers "eltech" one of the leading manufacturer of complete line of Corona treating system ,Static eliminator ,Induction cap sealing machine ,Ozone Generator and Static Charger .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.

### Problems caused by static electricity are:

- ✓ Causes dust attraction.
- ✓ Leads to improper stacking.
- ✓ Cause problems in printing.
- ✓ Sheet feeding problems.
- ✓ Materials tearing, jamming or curling.
- ✓ Hazardous sparks or shocks to person.
- ✓ Product sticking to itself, rollers or machine parts.
- ✓ Static cling causes handling problem.



Active HV Electrode



Power Supply



Shockless HV Electrode

## Air Driven Static Eliminator

Air is used to transport ionized air to the object for long range static neutralization or dust removal. Ionized air blowers are used for wide area and long range static neutralization. Air driven static eliminators extend the range of static control drastically. The HV electrodes are often used to clean objects. Since static attracts dirt, the use of an air driven static eliminator cleans objects and keeps them clean for a longer time.



The use of ionized air plowers ensure powerful, long range, wide area static neutralization. They are widely used to neutralize moldings, winders, sheets and other large objects.

## Compressed Static Air Gun

It is the ideal technique of removing static, contaminants and dust from three dimensional parts before assembling, packaging, painting or finishing. The ion air gun neutralizes the static electricity and cleans at distances up to 2 feet .

When ordinary compressed air is used to remove dust, its efficiency gets reduced. In case the static charge, which holds the dust to the product is not neutralized, both the the product and the dust will remain statically charged and capable of re-contamination. The ion air gun is rugged in design and an industrialized ionizing air gun. It is mainly used to eliminate static charges and blow off contaminants from the surface of laminated woods, plastics, rubbers and glass. At the same time the neutral surface doesn't re-attract airborne contaminants from the manufacturing process.

If the compressed air is ionized, the static charge will be eliminated, which allows superior quality cleaning without re- attraction. We assure our clients that they will enjoy many hours of fatigue-free operation.

### Applications :

- ✓ Clean and neutralized, three dimensional plastic parts
- ✓ Cleaning moulded parts
- ✓ Photo finishing
- ✓ Lens cleaning
- ✓ Package cleaning
- ✓ Container neutralization
- ✓ Automobile bodies
- ✓ Electronic assemblies
- ✓ Furniture finishing



## Static Web Cleaner

Web cleaning technology :

Eltech developed static web cleaning system for high quality of printing. Static web cleaner removes static charge from material and removes the dirt from web.

Problem :

- ✓ Dirty webs causing loss of profit and customer dissatisfaction.
- ✓ Excessive down time on printing presses.
- ✓ High reject rates in laminating processes.
- ✓ Unacceptable quality in pharmaceutical or food packaging.

Solution :

The Eltech web cleaning system, an effective solution to material contamination. It solves all above problems. It has been developed as a result of our experience gained through our world-wide application of electrostatic and dust control systems. System comprises two main elements, the cleaning head and the dust collection system.

The cleaning head offers exceptional cleaning performance. It combines static eliminators, brushes and high power vacuum dust collection.



## Circular Static Eliminator Electrode

The Eltech circular static eliminator electrode is highly suitable for installation on vertical form and fill machinery. The system provides 360 degree ionization and helps in eliminating the static on the entire surface of the material being filled. Controlling the static charge helps in eliminating the entrapment of filled material in the seal area of the bag and avoids unsightly "static cling" of the fill material to the inside of the bag.

We manufacture circular version with internal diameters ranging from 40 mm to 250 mm. These are used in applications where 360° neutralization is required such as plastic pipe extrusions, vertical form fill packaging machines, textile slivers etc.



## Static Charger

We offer superior quality static chargers that can be used to stick PP / BOPP / polystyrene foil material to the inner mold surface during injection molding. This makes the foil constant in a position in the mold due to charging. These static chargers are manufactured in compliance with international quality & safety standards.

Decorate your injection molded product to look more charming with a multi color foil on plastic items like thermo ware products, casseroles, tiffin, water jug, tray, glass, coasters, mug, lunch box, compass box, water bag, bucket, tumbler, ice pail and many other household, advertising and gift items which can be injection molded.

Applications :

Foil charging in injection molding and blow molding machines.



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