



## 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.

Different 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 problems

## **Ionizing Static Air Nozzle**

It is the ideal technique of removing static, contaminants and dust from three dimensional parts before assembling, packaging, painting or finishing. The ion air Nozzle 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 product and the dust will remain statically charged and capable of re-contamination. The ion air Nozzle is rugged in design & an industrialized ionizing air Nozzle. 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.

- \* The Nozzle is powered with power unit
- \* Normal working pressure is 2 – 4 bar
- \* Air connection is ¼ BSP
- \* For air flow, the air must be clean and dry

## **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



**eltech-331  
Power Unit**



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