

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



**eltech-331
power Unit**

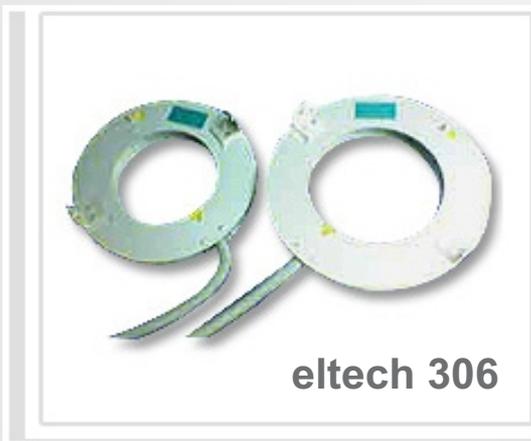
The Eltech 331 power unit is the most important of different Eltech's static control equipment. The instrument produces high voltage, low current in a controlled and safe manner. It's compact size and structure is suitable for most industrial environments. The defect free products and quality ensures efficient use and maximum customer satisfaction.

We have designed the Eltech 331 power supply and the different discharge bars for active discharging of disruptive static charges, which develop during the production processes. The discharge bars and the power supply are used primarily in cases where disruptive static charges on fast moving material webs impair production processes and required to be eliminated.

Technical Specification

Supply voltage:	230 V AC ,50 Hz
output voltage:	5.5 kv
Output short circuit current:	(Ik) < 5 mA
Power consumption:	approx. 50 VA
Maximum load :	10 m (HV cable incl. electrode)
frequency:	50 - 60 Hz
Mains cable length :	approx. 2.5 meter with earthing -pin plug.
Weight:	5.5 kg
Dimension	165 MM X 240 MM X 190 MM (L X B X H)

Static Eliminator Circular 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 fill. 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 360o neutralization is required such as plastic pipe extrusions, vertical form fill packaging machines, textile slivers etc.



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