



Since 1992

# Eltech Engineers Pvt Ltd

An ISO 9001 - 2015 Company

Air Assist Ionizing Bar



[www.eltech.in](http://www.eltech.in)



## Air Assist Ionizing Bar

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*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.

## Different Problems Caused by Static electricity are :

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

### AIR ASSIST SHOCKLESS IONIZING BAR



- Eltech's Air Assist Ionizing Bar provides ionization over longer and wider areas upto 500 mm.
- Ionization is boosted by a compressed air system.
- The Air-Assist bar is designed to improve discharge performance at a longer range of distances by moving ions to the target with a precise airstream.
- A shatterproof air tube runs the length of the bar between a high density of long-life emitters.
- Small perforations in the tube release jets of air, picking up ions produced by both polarities.

### Technical Specifications :

Supply voltage : 230 V AC , 50 Hz , 25 Watts

Output voltage : 7 kv

Operating Distance Speed bar : 2" to 9" (50-225 mm)

Output short circuit current : (Ik) < 3.5 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 : 8 kg

Distance : Upto 4 Feet Maximun

Dimension : 168mm L x 260mm W x 190mm H (eltech 335)

Air Assist Consumption Air Flow [SCFM] = Length [inches] X (pressure [psi] X 0.003 + 0.038)

Assist Clean, dry, oil-free compressed air ; 2 - 5 Bar



Eltech 335  
Power Supply



## Eltech Engineers Pvt Ltd

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