



Since 1992

Eltech Engineers Pvt Ltd

An ISO 9001 - 2015 Company

Ionizing Air Knives



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IONIZING AIR KNIVES

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.



Ionised Air Knives produce fast-moving ionised air which can neutralise static electricity and remove contaminants.

They are used to clean plastic parts - removing the dust and eliminating the static electricity to prevent re-attraction

Industry Applications :

Widely used in electronics, injection molding, printing, film and pharmaceutical machinery industries

- Powerful ionisation kills the static charge holding the dust, allowing the fast beam of laminar air to remove it for a thorough cleaning.
- The non-turbulent laminar airflow limits the recombination of ions in the air and so maximises the static neutralisation performance.
- Compressed air is amplified by a factor of up to 20:1. So a litre of compressed air produces up to 20 litres of fast-moving air.

How it works ?



Air is forced out of the slot at very high speed. It sacrifices some of this speed to entrain ambient air to produce a large volume of fast-moving air. The air is ionised as it passes over the static eliminator bar and so capable of neutralising static electricity. The airspeed can be varied by adjusting the air pressure from 1 Bar up to 7 Bar. The best cleaning distance is between 100 mm and 150 mm. The compressed air supply should be clean and dry. To reduce air consumption we recommend that the airflow is controlled by a sensor so that it only blows when required.

Technical Specifications :

- **Power Supply** : eltech 335
- **Input Voltage** : AC 230 V / 50 HZ
- **Wire Length** : 2.5 m (Customized Available)
- **Working Temperature** : 0~50 Degree Celsius
- **Working Voltage** : AC 7000 V
- **Working Current** : 3.5 mA
- **Air Pressure** : 4 -5 bar



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