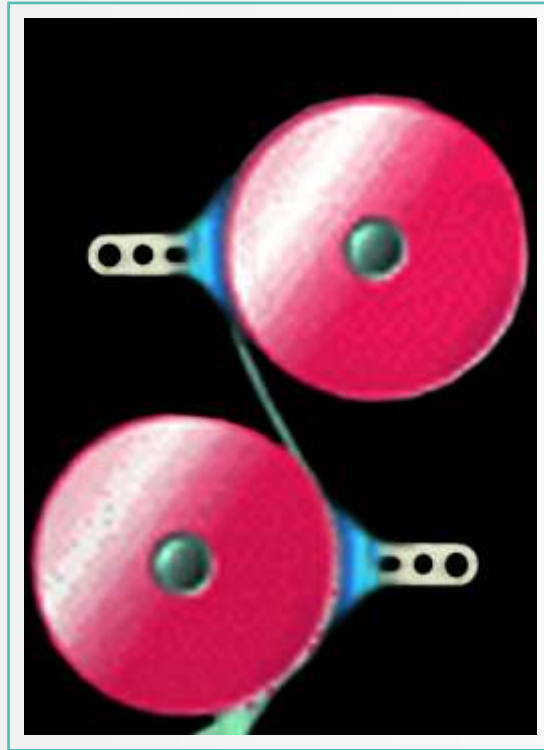




eltech



Corona Discharge Treatment



Eltech Engineers an ISO certified indian company, is the leading manufacturers, exporters and suppliers of **Corona Treater in India Mumbai**. Established in the year 1992. Eltech designs and manufactures **corona discharge surface treatment equipment** for Narrow web, wide web, sheet and 3d application for films, Foil, Woven sack, Paper, Textile and three dimensional plastic parts etc.. We manufacture **Corona treatment equipment** for various application. we have developed **Sheet corona treater** for sheets before printing in offset industries. we have supplied many **Wovensacks Corona treater** all over India for wovensacks industries on Flexographic online printing machine. We manufacture **Label corona treater for label, self adhesive label**.

We are capable of providing solutions for any kind of treating problem for plastic films, different varieties of complex laminates corona treaters in the range of 1 kw to 10 kw for web widths of 3000 mm.

Our **Corona treatment** are successfully running in India and all over world mainly in Saudia Arabia, labenon, Vietnam, UAE, Igypt, China, srilanka and Bangladesh, Nigeria, Kenya....and Many more countries..

Necessity Of Surface Treatment

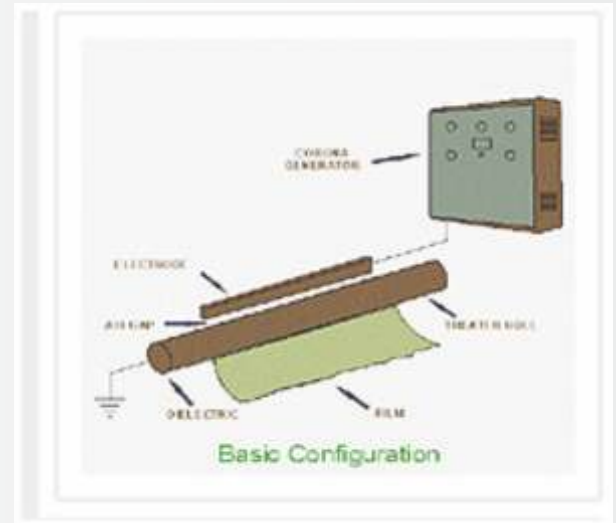
Generally, plastics have chemically inert and nonporous surfaces with low surface tensions causing them to be nonreceptive to bonding with Corona treatment is the method most widely used to ensure adhesion on surface treatment is required for plastic films/fabrics whose normal surface tension is not sufficiently high to permit good wetting by flexo graphic inks.

Corona treatment increases the surface tension of the fabrics receptive to inks by inducing molecular changes in the surface of the films.

The equipment consists of mainly transformer, Electrodes, Silicon rollers and free rollers which are enclosed in a properly made casing Corona is generated by applying a high frequency, high voltage signal to an electrode. The fabric is passed from free roller through the airgap between multisegmented electrode and the silicon roller which generates continuous shower of ionised air called as corona. The electrode and dielectric cover on the roller serves as the electric connection to the stream of ionized air in the airgap.

Features

- ✎ **ADVANCED MOSFET / IGBT Technology.**
- ✎ **Aluminium plate station assembly for light weight and low corrosion**
- ✎ **Digital indication of corona current**
- ✎ **Force cooled convertor for longer life.**
- ✎ **Treatment Rolls with Silicon Sleeves.**
- ✎ **Smooth To & Fro micrometric air gap adjustment facility.**
- ✎ **Short circuit problem.**
- ✎ **Fully enclosed treater station.**



Benifits

- ✎ **Easy to install**
- ✎ **Accurate output power**
- ✎ **Small, compact and economical design**
- ✎ **Low maintenance**
- ✎ **User friendly**
- ✎ **Maximum operator saftey**
- ✎ **Full range of sizes from .5 Kw to 10 Kw**



Treatment Assembly For Monolayer Extrusion Film Plant

Corona treatment for conductive / Non-Conductive material :

These treaters are an extension of suitable to treat conductive as well as nonconductive substrates such as aluminum foils, metallized films, multi layer films, paper, labels of various types etc, having smaller widths up to about 100 mm.



Optional value added features :

- Pneumatic operated treater station.
- Zero speed switch to protect silicone sleeve.
- Ozone extraction system efficiently remove ozone and to cool the electrode.
- Aluminum frame featuring stainless steel enclosure.
- Stainless steel segmented electrode.
- Bare roller system.
- Easy view windows allow clear unobstructed view of corona discharge.



**Treatment Assembly For Woven Sacks Flexographic
Printing Machine**



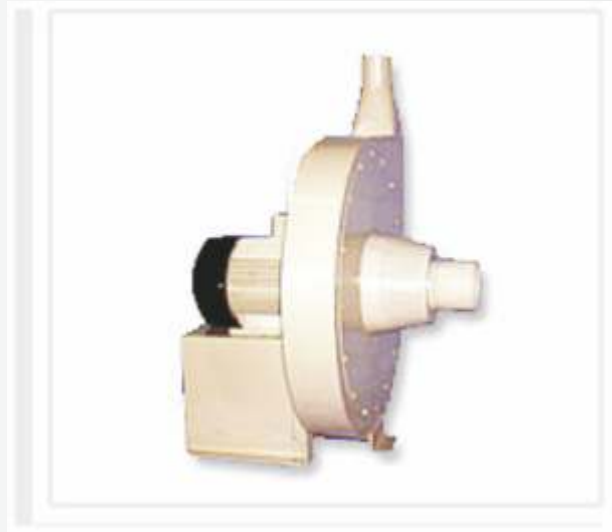
**Treatment Assembly For Multilayer
Extrusion Film Plant**



Corona Treater Generator



Silicon Sleeves



Ozone Extraction Blower



Dynes Pen

Application :

- ✂ Blown film extrusion single layer/multilayer plastic film plants.
- ✂ Woven sack roll on- line flexo printing machine.
- ✂ Extrusion/lamination coating plant for paper.
- ✂ Lamination plant for aluminum foil/plastic film.
- ✂ Pvc coating on pvc film for pharmaceutical applicatios.
- ✂ Sheet line plant.
- ✂ Gum coating on ptfе coated fibre glass cloth.
- ✂ Plastic moulded articles.



Eltech Engineers

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Manufacturers of : Ozone Generator ,Induction Cap Sealing Machine , Corona Treater, Static Eliminator and Static Charger.
Design & Specifications Subject to change for improvements of product