

CORONA TREATMENT FOR PP FLUTE BOARD



EL-COROBOARD



**ELTECH
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We treat anything...

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OF EXCELLENCE IN CORONA
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STATIC

CORONA TREATMENT FOR PP FLUTE BOARD

Eltech manufactures and exports Corona surface treatment machine for pp flute board for better printing in Mumbai India.

PP Flute board have a longer life of endurance and durability. these PP Flute Boards are astoundingly strong having twin wall chambers that enhances their strength to withstand air pressure, forceful water tripping and stormy conditions.

Compared to Sun board, which is brittle, which breaks easily, PP flute board is durable and does not crack. Ink on Sun board fades over time and leads to dull prints. With its CORONA treatment, the prints on PP Flute always stay vibrant.

Eltech corona discharge surface treatment equipment creates powerful bonding for printing, painting, coating, laminating and adhesion applications. Our technology is uniquely designed to treat 2-dimensional films, as well as many other applications requiring Improved surface energy and long-lasting activation.



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The corona surface treatment equipment is a very effective way to increase the surface tension of virtually any material. Corona Surface treatment is required for plastic films whose normal surface tension is not sufficiently high to permit good wetting by flexo graphic inks.

High-frequency corona surface treatment system increases the surface tension of any plastic material respective to inks by inducing molecular changes in the surface of the films. This is done by exposing the air at the material's surface to a high-voltage electrical discharge - Corona.

PP Flute sheet is the preferred material choice across multiple industries for its lightweight structure and competitive pricing and is widely recognized as being a far more durable alternative to corrugated sheet box, low weight than metal and both chemical and water resistant and affordable too because it is recyclable.



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Technical Specifications

- Input Supply : 415 V AC , $\pm 5\%$, 3 Phase,4 -Wire
- Treatment Size : Customized
- Line Speed : 0-10 mtr/minute
- Material : Non Conductive
- Treating Sides : Single
- Input Frequency : 50 Hz
- Output Frequency : 20-50 KHZ
- Approx Output Power (KW) : 3 KW - 5 KW
- Maximum Temperature : 0 ~ 50 Degree celsius
- Blower : 1 H.P
- Treatment Electrode : Rope type or Fin type
- Dynes Level : 38-48 Dynes/cm
- Length of HV Cable : 2.5 Mtr
- Corona Output : Ultra high frequency using latest IGBT technology, Constant at same speed, No influence of supply voltage, Accurate output power.
- Certifications : CE , RoHs , ISO



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Features

- Ultra High Frequency using the latest IGBT technology.
- Indication of Corona Current.
- Balanced rollers.
- Corona Treater rollers covered with high dielectric grade sleeve.
- Prevent premature failure of roller bearing by having a proper grounding system.
- Pneumatic Operated Corona Treatment Station for material feeding.
- Even Suction throughout the treatment station helps to extract Ozone efficiently.
- Cooling provided by the Blower prevents wrapping of electrodes and helps to achieve a Consistent Treatment Level.
- Using Forced Convection inside the panel prevents overheating of Electronic Components.
- Providing a Proximity Sensor for detecting Zero Speed which automatically shuts down the power supply when the web achieves low line speed.
- Oil Cooled Transformer for better stability at high temperatures and has excellent electrical insulating properties.
- Easy view window for a clear view of Corona Discharge.

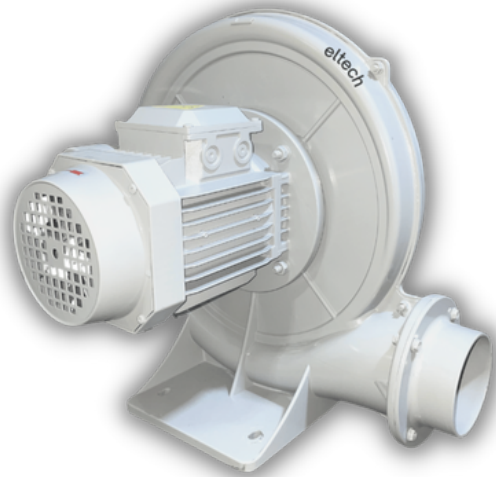
Electronic Protection Features

- Door Open
- MCB protection
- Single Phasing
- Audio/Visual Alarm
- Electronic Overload Trip
- Thermal trip for heatsink
- Under voltage / Over voltage
- Ozone extraction overload trip

Benefits

- Soft start
- Easy to Install
- Easy to maintain
- Customized Design
- Maximum Operator safety
- Compact Simple Construction
- Cost Efficient Treatment Process
- Forced cooled convertor for longer life
- Ultra high frequency using latest IGBT technology

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