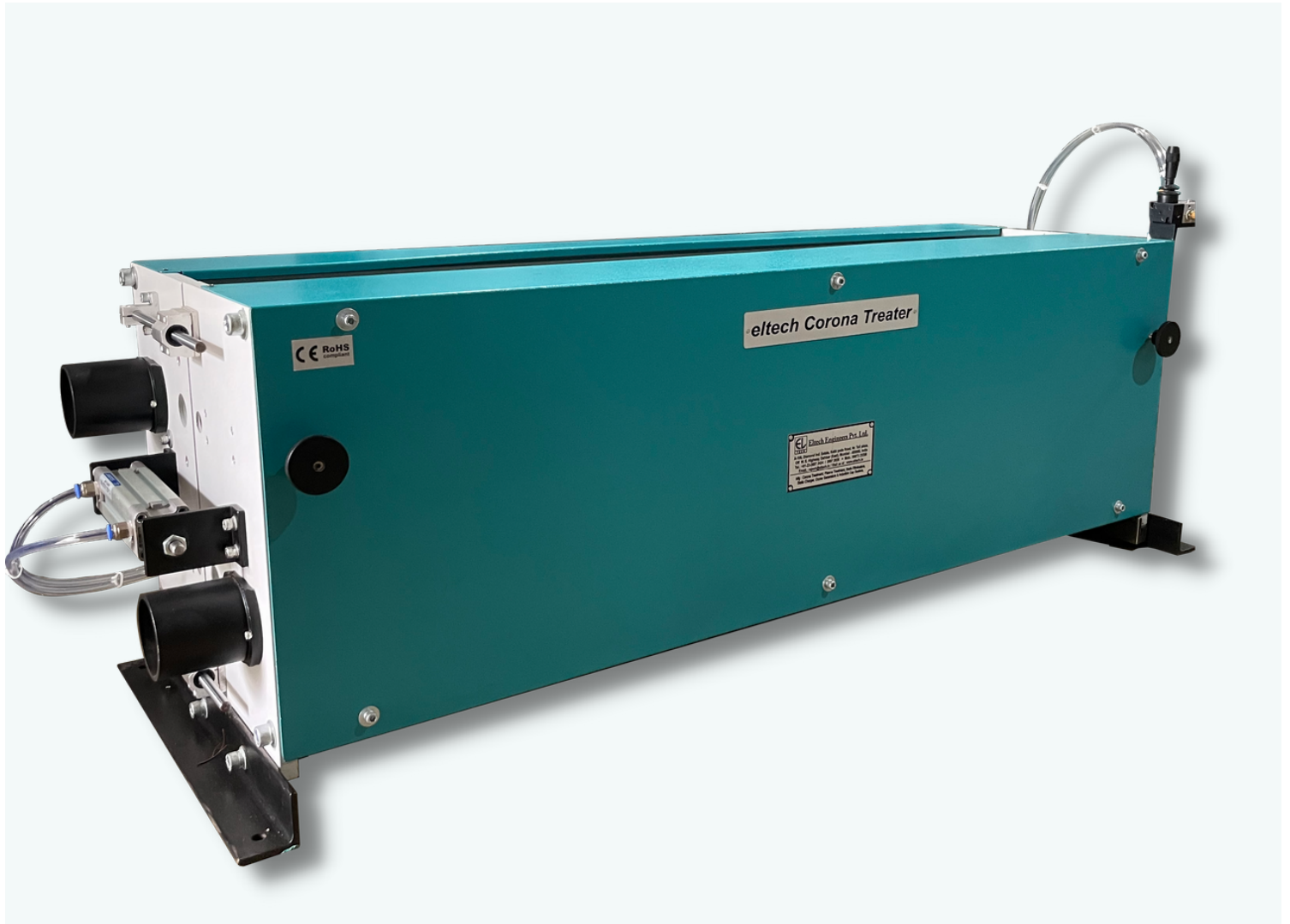


CORONA TREATMENT FOR WOVEN SACKS PRINTING MACHINE



EL-WOVENCOR



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CORONA TREATMENT FOR WOVEN SACKS PRINTING MACHINE

Corona treatment is required on Extrusion coating/Lamination plant For better adhesion of a thin layer of polyolefin (Mainly LDPE / PP) on substrates like Paper, Cotton Cloth, Woven fabrics, Jute fabric, Aluminum foil, BOPP film, Polyester film, etc. Paper, Cotton Cloth, Woven fabrics, Jute fabric, Aluminum foil, BOPP film, Polyester film, etc has to be corona treated before coating to achieve better bonding

Corona treater for woven fabrics-Corona treatment system is a very effective way to increase the surface tension of virtually any material. Surface treatment is required for plastic films/fabrics whose normal surface tension is not sufficiently high to permit good wetting by flexographic inks. Corona treatment for woven sacks-PP/HDPE woven sacks fabrics have to be corona treated before printing on the flexographic printing machine.

Corona 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.



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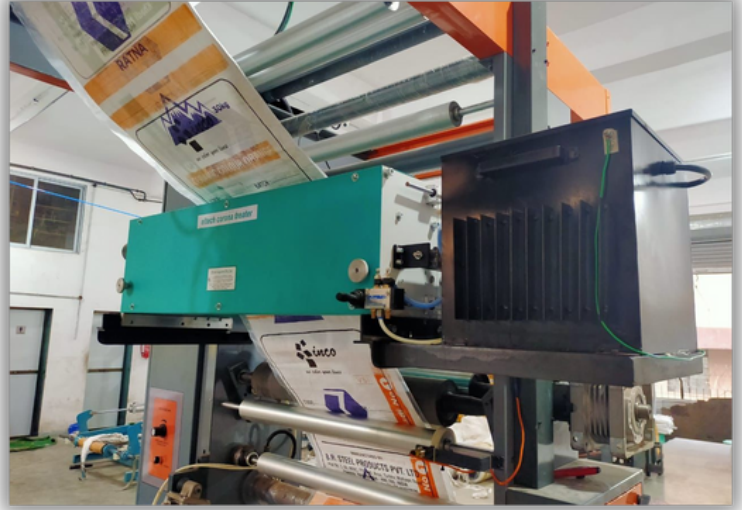
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Technical Specifications

- Input Supply : 415 V AC , $\pm 5\%$, 3 Phase,4 -Wire
- Treatment Size : 600-2400 mm
- Line Speed : 60-120 mtr/minute
- Material : Non Conductive
- Treating Sides : Single / Double
- Input Frequency : 50 Hz
- Output Frequency : 20-50 KHZ
- Approx Output Power (KW) : 3 KW
- Maximum Temperature : 0 ~ 50 Degree celsius
- Blower : 1 H.P
- Treatment Electrode : Multisegmented
- Dynes Level : 38-42 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.

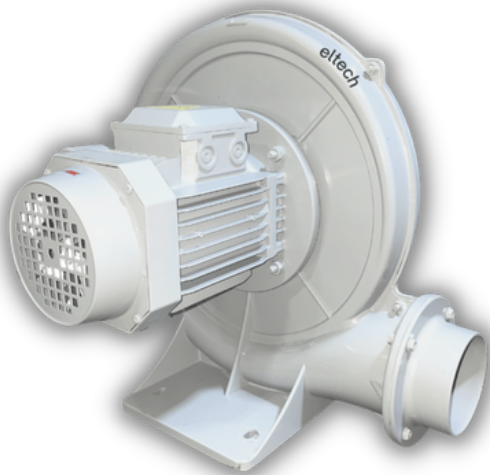
Electronic Protection Features

- 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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