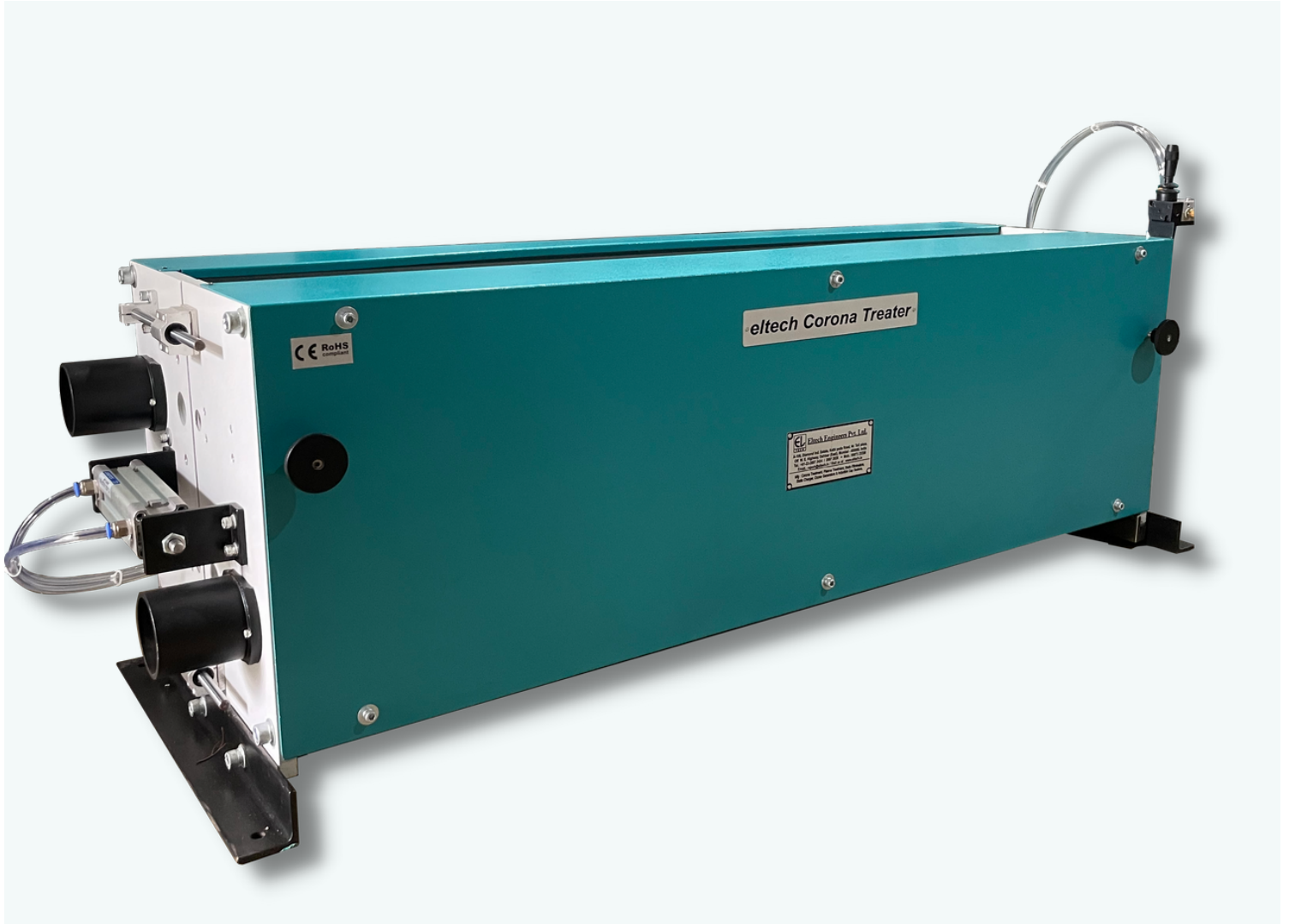


CORONA TREATMENT FOR MULTILAYER FILM PLANT



EL-MULTICOR



**ELTECH
ENGINEERS PVT LTD**

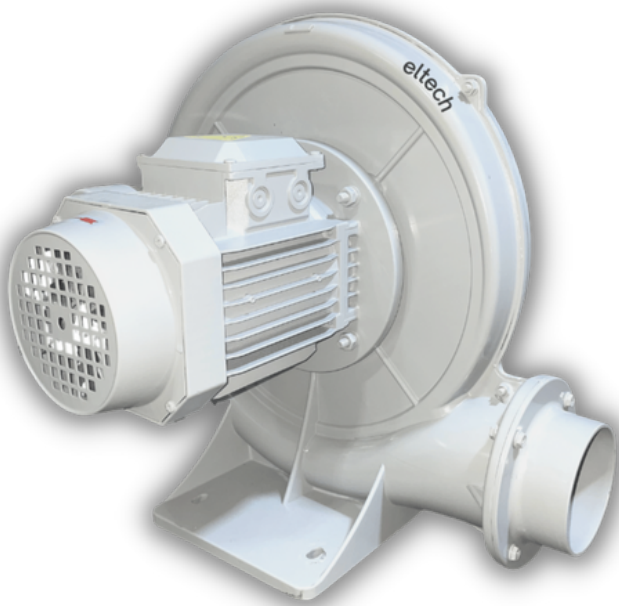
We treat anything...

Since 1992

30
YEARS
OF EXCELLENCE IN CORONA
PLASMA
STATIC

CORONA TREATMENT FOR MULTILAYER FILM PLANT

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 flexo graphic inks.

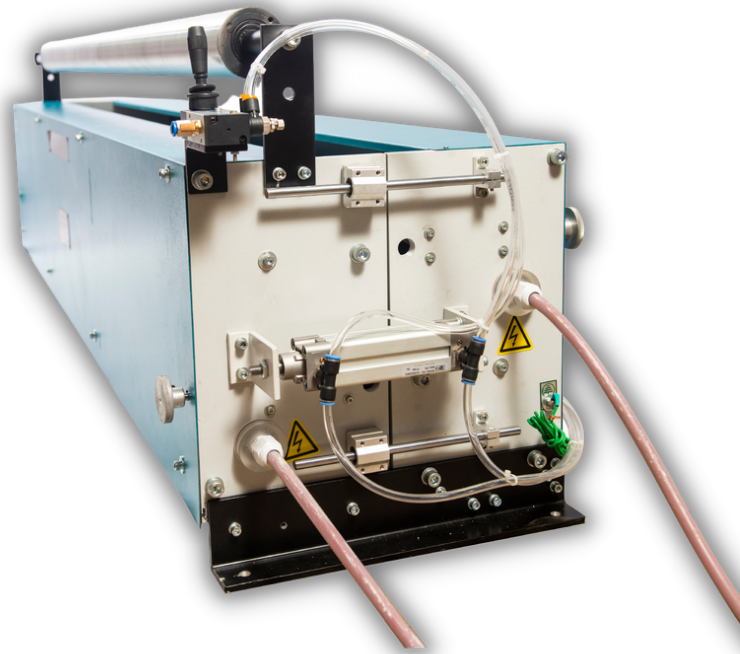


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Technical Specifications

- Input Supply : 230 V AC, $\pm 5\%$, 1 Φ , 3 -Wire - multilayer
- Treatment Size : 800-2400 mm
- Line Speed : 0-50 meter/min
- Material : Non Conductive
- Treating Sides : Single / Double
- Input Frequency : 50 Hz
- Output Frequency : 20-50 KHZ
- Approx Output Power (KW) : 3 KW - 8 KW
- Maximum Temperature : 0 ~ 50 Degree celsius
- Blower : 1 H.P
- Treatment Electrode : Multisegmented
- 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.

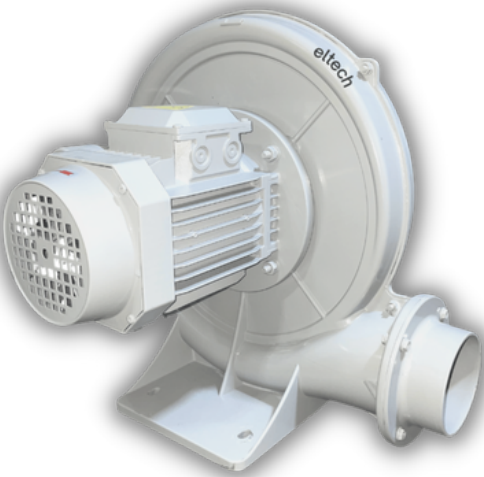
Electronic Protection Features

- 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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PLASMA
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