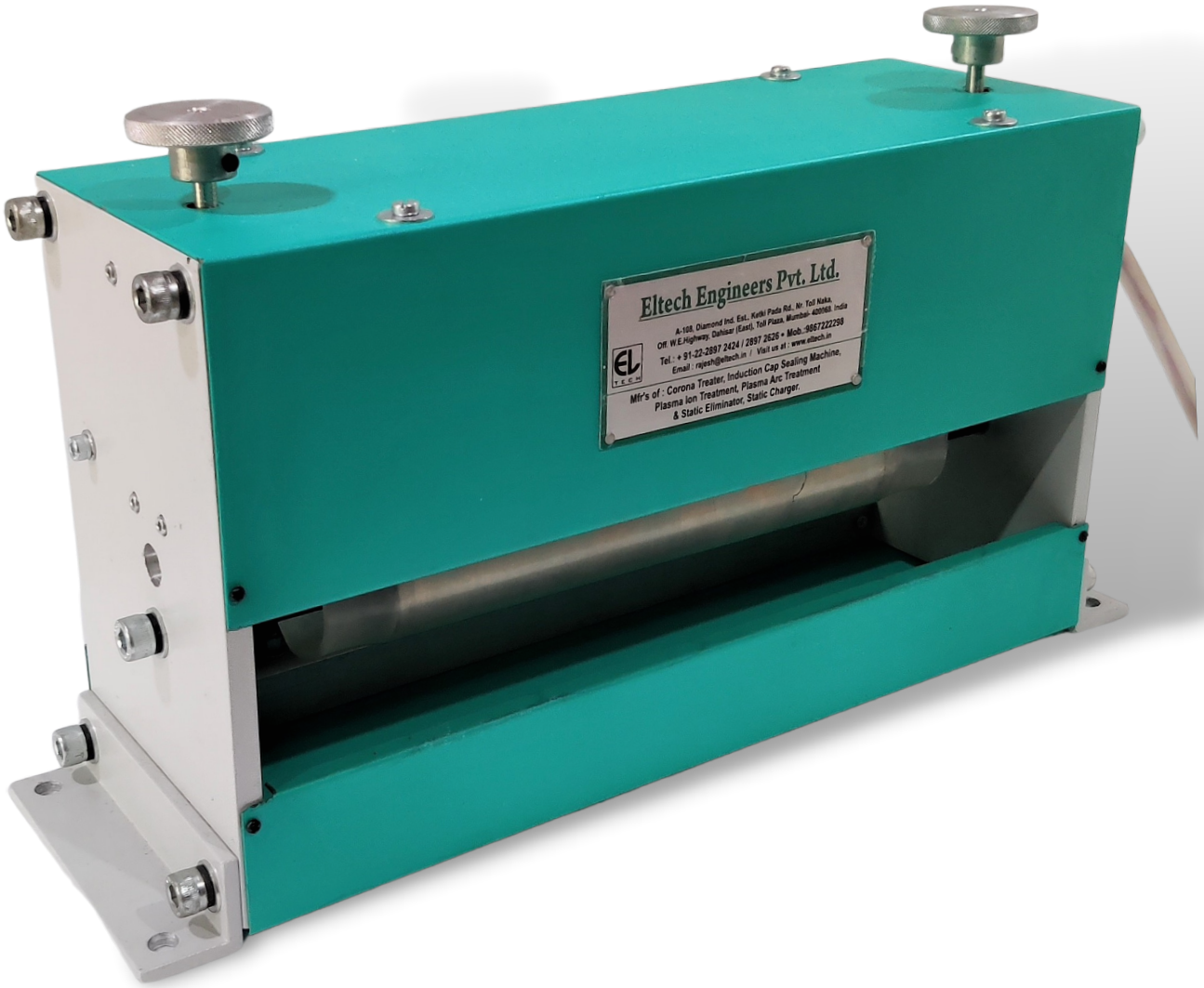
CORONA TREATMENT FOR BATCH CODING MACHINE



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CORONA TREATMENT FOR BATCH CODING MACHINE

Plastic pouch roll requires batch printing and price printing before material filling in a pouch, pouch roll has to be treated before printing for better adhesion of ink, corona treatment alters the surface of the film and increases dynes value. More receptive of inks better bonding, long-lasting printing.

Eltech Corona treater system 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.

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

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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Technical Specifications

- Input Supply : 230V AC , 1 Phase , 3 Wire
- Treatment Size : 40 mm
- Line Speed : 50 - 150 meter/min
- Material : Non-Conductive
- Treating Sides : Single
- Input Frequency : 50 Hz
- Output Frequency : 20 - 50 Khz
- Output Power : 0.5 - 1 KW
- Max Ambient Temperature : 0 ~ 50 Degree Celsius
- Ozone Extraction Blower : 1 H.P
- Treatment Electrode : Multisegmented
- Dynes Level : 38-42 Dynes/cm
- Length of HV Cable : 2.5 meter
- 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

- Cooling provided by the Blower prevents the wrapping of electrodes and helps to achieve a consistent treatment level.
- Using Forced Convection inside the panel prevents overheating of Electronic Components.
- In order to protect the treater rolls, a zero-speed cut-off system automatically shuts down the power supply when the web achieves low line speeds & hence prevents the damage of the roller.
- EHT Oil Cooled Transformer for better stability at high temperatures and has excellent electrical insulating properties.
- Lightweight and Low Corrosion
- Dynamically balanced rollers.
- Easy view window for a clear view of Corona Discharge.
- Easy to Operate Push Buttons for Start/Stop
- Customized Design

Electronic Protection Features

- Electronic Overload Trip
- Thermal trip for heatsink
- MCB protection
- Under voltage / Over voltage
- Ozone extraction overload trip
- Single Phasing
- Door open
- Audio / visual alarm

Benefits

- Cost-efficient treatment process.
- Ultra-high frequency using latest IGBT technology
- Lightweight and Low Corrosion
- Easy to Install & Maintain
- Compact & simple in construction
- Cost-efficient treatment process.
- Maximum Operator safety
- Forced cooled converter for longer life

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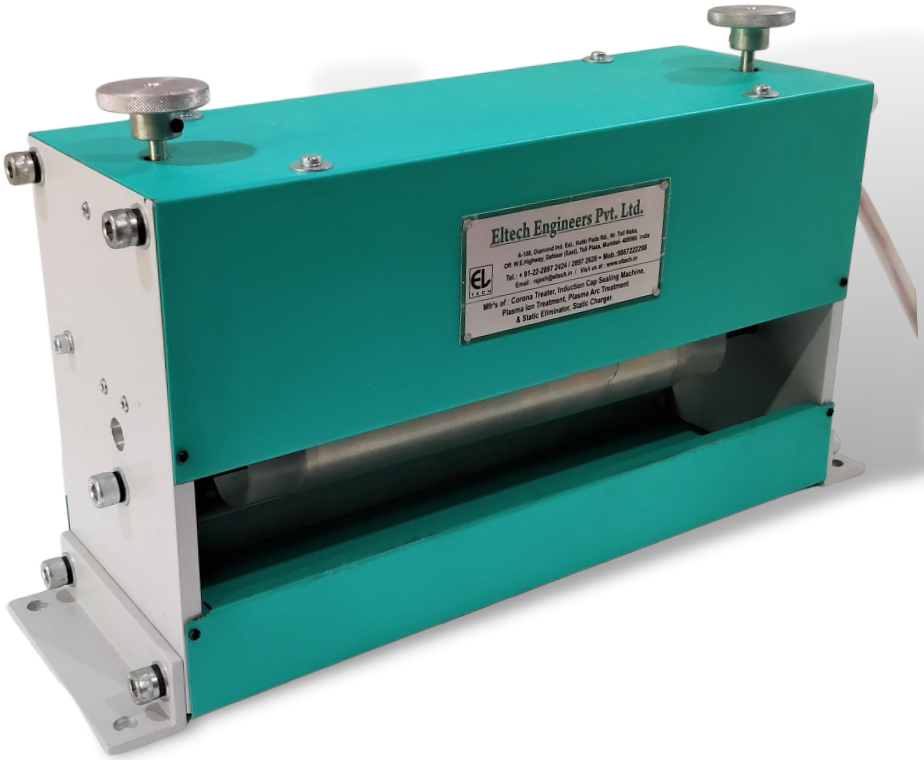
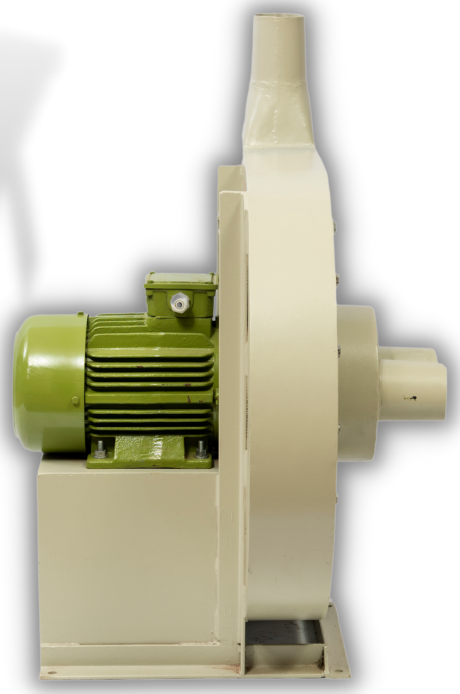
Application Pictures





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CE

CERTIFIED ISO 9001:2015 COMPANY

RoHS COMPLIANT

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