

# CORONA TREATMENT *FOR* LABEL FLEXO PRINTING



**EL-FLEXO / EL-COROFLEX**



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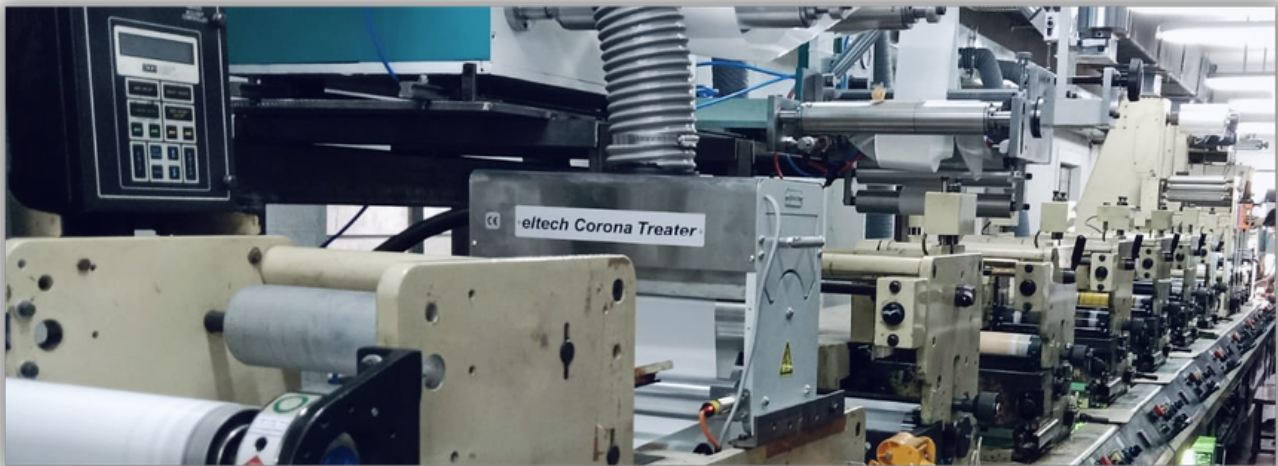
# CORONA TREATMENT FOR LABEL FLEXO PRINTING

TREATER ASSEMBLY FOR CONDUCTIVE FILMS WITH BARE ROLLER & CERAMIC ELECTRODE FOR FLEXOGRAPHIC LABEL PRINTING MACHINE

The new generation label press demands compact and efficient corona treatment system for treatment of variety of substrates at high line speeds.

Eltech Narrow Web Push-Pull type Corona Treating Station is specially designed keeping the compactness, operator friendliness and efficient in mind.

Available as the RFIM-NW model, the high definition ridge type ceramic electrodes ensure efficient treatment of metalized as well as non - metalized substrates.



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## Technical Specifications

- Input Supply : 415 V AC ,  $\pm 5\%$  , 3 Phase,4 -Wire
- Treatment Size : 250-660 mm
- Line Speed : 80-120 meter/minute
- Material : Non Conductive & Conductive
- Treating Sides : Single / Double
- Input Frequency : 50 Hz
- Output Frequency : 20-50 KHZ
- Approx Output Power ( KW ) : 2 KW
- Maximum Temperature : 0 ~ 50 Degree celsius
- Blower : 1 H.P
- Treatment Electrode : Ceramic
- 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.

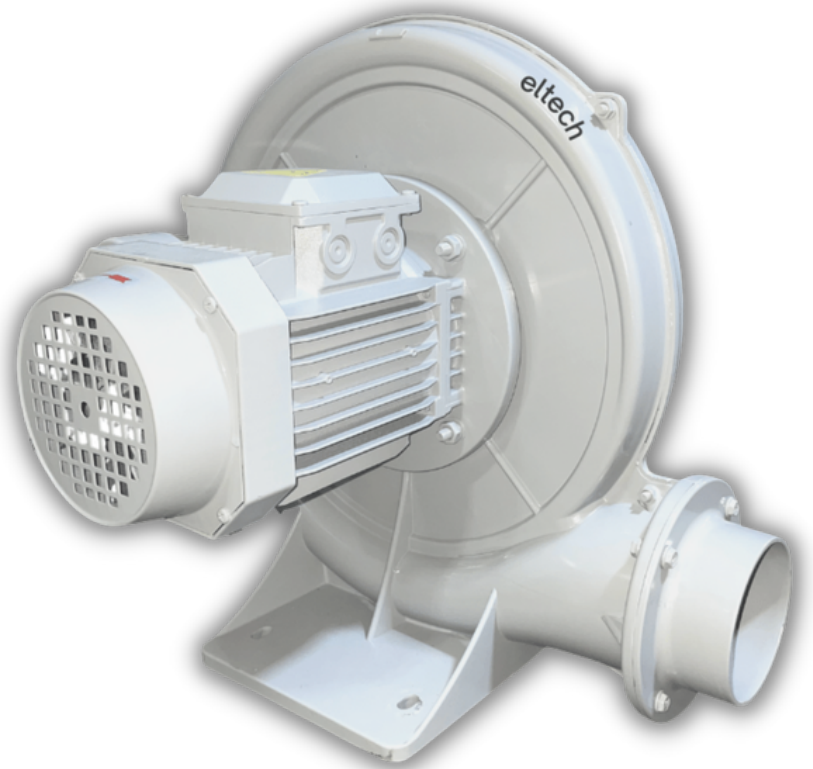
## Electronic Protection Features

- 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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