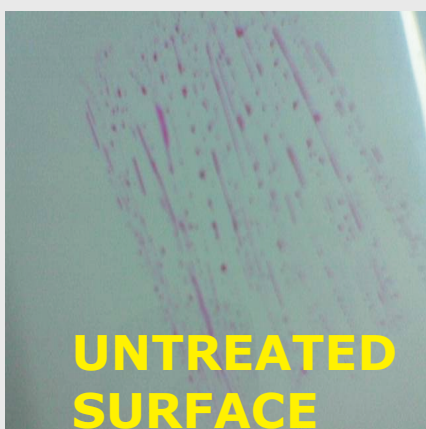


Eltech



SHEET CORONA TREATMENT SYSTEM





Some substrates are corona-treated when they are manufactured. Many of these substrates require a surface energy boost to match a particular ink or coating. This is done with **corona pretreaters** on the press just prior to the Printing / coating application point.

Corona treatment should be applied to plastic surfaces before lamination, glue coating or printing to prevent shedding of the ink or coating ensuring the best quality is achieved.

PVC,PP,LD,Foam,Flex, metallised polyester ,PE, OPP, and other high-low density plastic materials should particularly be Corona treated to enhance the quality of the final product.

The equipment consists of mainly .transformer, Dielectric insulated electrode ,earthed rollers and free rollers which are enclosed in a properly made casing .Corona is generated by applying a high frequency, high voltage signal to an electrode separated from an earthed plane by an air gap.

The sheet is passed from free roller through the airgap between Dielectric insulated electrode and the earthed roller which generates continuous shower of ionised air called as **CORONA**.

Benifits

- ✓ Compact simple construction
- ✓ Ultra High Frequency.
- ✓ Soft Start.
- ✓ Maximum Operator safety.
- ✓ Easy to install
- ✓ Accurate output power
- ✓ Low maintenance
- ✓ Economical design,
- ✓ improved costs savings
- ✓ User friendly

Features

- ✓ **ADVANCED IGBT Technology.**
- ✓ Aluminium station assembly for light weight and low corrosion.
- ✓ D.C.Motor & D.C.Drive for self conveyor roller
- ✓ Can treat PP/PVC/Polyester/ Metallised Ployester
- ✓ Ozon extraction system efficiently remove ozone and to cool the electrode.
- ✓ Force cooled convertor for longer life.
- ✓ Fully enclosed treater station.

Specification

- ✓ Maximum line speed: 40- 50 sheets /min
- ✓ Treating sides: Single sides
- ✓ Mains supply: 230 V,AC \pm 5 %,1 \emptyset
- ✓ Mains frequency: 50 Hz \pm 5 %
- ✓ Output frequency: 40 Khz
- ✓ App.output power: 2 Kw
- ✓ Corona output:
 - a. Constant at same speed
 - b. No influence of supply voltage
- ✓ Dynes level: 38-48 Dynes/cm
- ✓ Electrode : Silicoan insulated electrode

TECHNICAL SPECIFICATION

Maximum line speed : 40- 50 sheets /min

Treating sides : Single sides

Material : Polyester/ PVC /PP

Mains supply : 230 V,AC \pm 5 %,1 \emptyset

Mains frequency : 50 Hz \pm 5 %

Output frequency : 40 Khz

App.output power : 2 Kw

Corona output : a. Constant at same speed
b. No influence of supply voltage

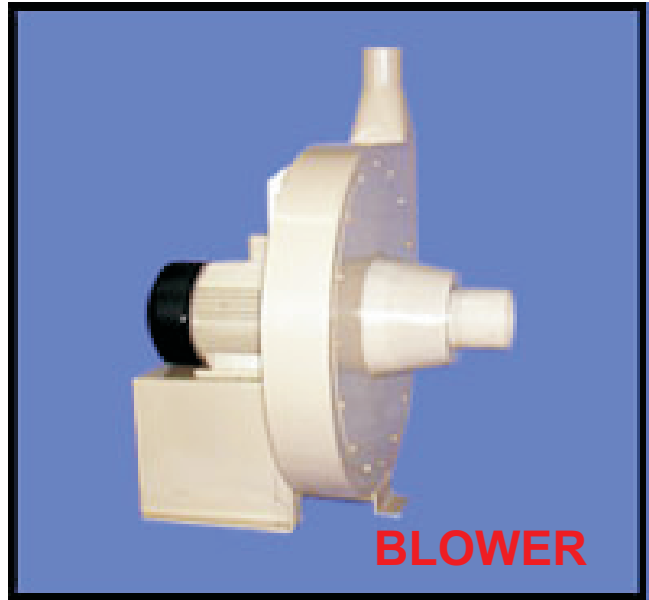
Dynes level : 38-48 Dynes/cm

Electrode : Silicoan insulated electrode

Max.Temperature : 45° C maximum.

FEATURES

- **ADVANCED IGBT Technology.**
- **Aluminium assembly for light weight and low corrosion.**
- **Compact simple construction**
- **Ultra High Frequency.**
- **Soft Start.**
- **Maximum Operator safety.**
- **Multisegmented electrode**
- **Treatment Rolls with Silicon Sleeves.**
- **Smooth To & Fro micrometric air gap adjustment facility.**
- **High voltage side insulator on station for high voltage cable entry to avoid short circuit problem.**



Eltech Engineers

A-108, Diamond Ind Estate, Ketkipada Road, Nr.Toll Naka, Off W. E.Highway,
Dahisar (East), Mumbai-400068. Tel : 022-2897 2424 / 2626
Email : rajesh@eltech.in
Website : <http://eltech.in>