



Corona Treater for Batch Coding Process

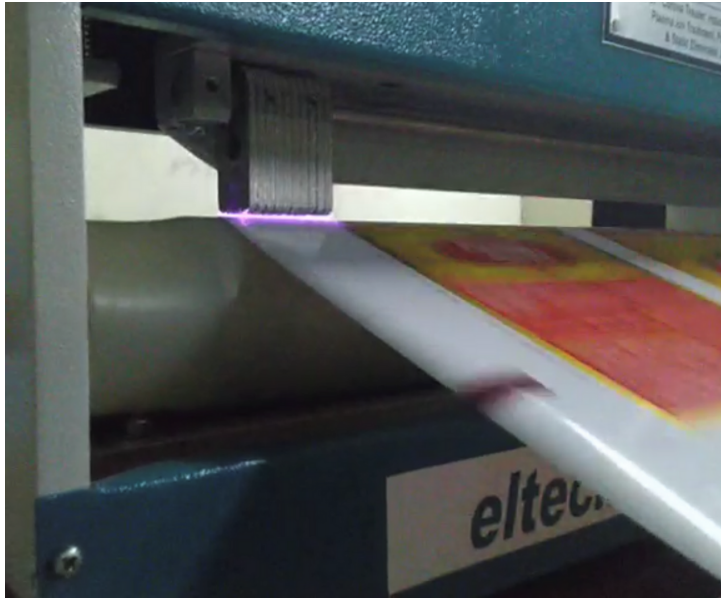
ELTECH ENGINEERS PVT LTD , established in 1992 is an ISO 9001:2015 certified Indian Company engaged in the manufacturing activity of Corona treater, Plasma Treatment Systems, Static Charge Eliminator, Static Chargers, Static Meters, Ionizing Air gun, Blowers etc. Our clients always look upto us for their different requirements because of our high quality standards, superior performance, zero defect products, timely deliveries and very reasonable price.

About Batch Coding Corona Treatment

The Corona treatment system is a very effective way to increase the surface tension of virtually any material. The 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.

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.

Installed Batch Coding Corona treater for surface treatment of polymer for good bonding of ink to the substrate.



Corona discharge treatment at atmospheric pressure for improving adhesion of various polymer substrates is now standard practice.

Our corona treater machines give efficient prompt surface improvement for printing on all types of laminates like, Foil, Paper, LDPE, HDPE, PVC, etc. The Batch Coding application for Winder Re-winder Machine is coupled beautifully & synchronized well with our eltech's corona treater machine.

APPLICATIONS:

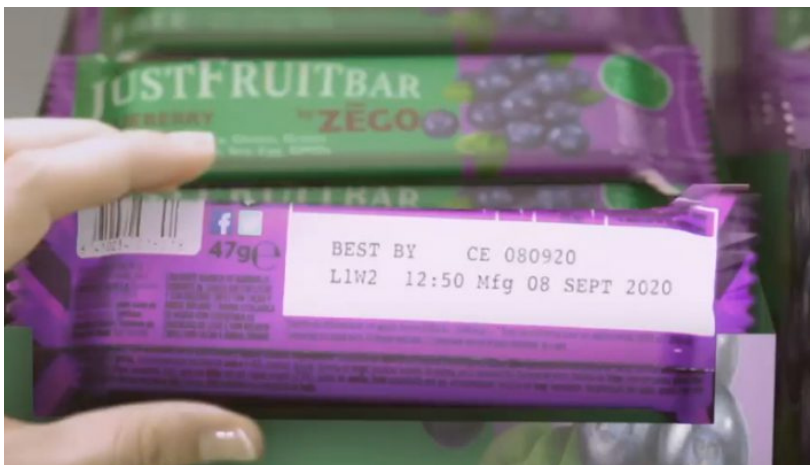
1. PRINTING OF MFG . DATES
2. EXPIRY DATE
3. BATCH NO.
4. SR. NO ETC
5. PRICE OF THE PRODUCTS

FEATURES :

1. EASY TO INSTALL
2. ACCURATE OUTPUT POWER
3. LOW MAINTENANCE
4. ECONOMICAL DESIGN
5. IMPROVED COSTS SAVINGS
6. USER FRIENDLY TEXT

BENEFITS :

1. EASY MAINTENANCE
2. COMPACT SIMPLE CONSTRUCTION
3. ULTRA HIGH FREQUENCY
4. MAXIMUM OPERATOR SAFETY
5. SOFT START
6. ADVANCED IGBT TECHNOLOGY
7. FORCED COOLED CONVERTOR FOR LONGER LIFE



Qualitative ratings of treatment level or Wettability

Sr. No.	Treatment level in Dynes / cm	Expected Quality rating in terms of print or coating adhesion
1	Below 32	Very poor printing or coating adhesion
2	34	Poor printing or coating adhesion
3	36	Fairly good printing or coating adhesion.
4	38	Good printing or coating adhesion.
5	40	Very good printing or coating adhesion.
6	42	Excellent printing or coating adhesion.

Technical Specification :

Treatment Size : 50 - 100 mm (Customised)

Input Voltage : AC 230 V / 50 HZ Single Phase

Output Frequency : 30 Khz

Speed : 30 - 80 meter / minute

Output Power : 0.5 KW / 1 KW

Dynes level : 38 to 48 dynes/cm

Corona output :

Constant at the same speed

No influence of supply voltage

Ultra-High Frequency with Advanced IGBT Technology

Accurate Output power

Dynes Level : 38 - 42 dynes/cm

Electrode : Multisegmented System Electrode

Max Temp : 45 Degree Celcius



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