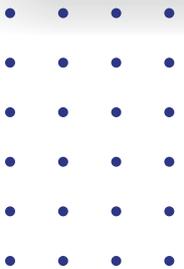


CORONA TREATER FOR NARROW WEB



CORONA TREATMENT : ENHANCING SURFACE ADHESION

CORONA TREATMENT : WHY YOU CANNOT SKIP IT

Corona treatment is a high-voltage, high-frequency process that increases surface energy to improve adhesion of inks, coatings, laminations, and adhesives. It modifies only the top 3–10 nm of the surface, making it hydrophilic without affecting bulk properties. Uniform dyne levels are essential, and re-treatment is recommended as dyne levels decay.

Your film may appear flawless, but low surface energy quietly undermines performance.

Untreated polymers repel inks, adhesives, and coatings, leading to defects that no rework can fix.

The consequences include print failures such as faded colours, patchy graphics, ink rub-off, and tape-test failure.

Poor adhesion causes lamination defects, peeling, seal failure, contamination, and spoilage.

Low dyne levels also increase ink and adhesive consumption, reduce sealing and machinability, and cause coating or metallization breakdown with voids and pinholes.

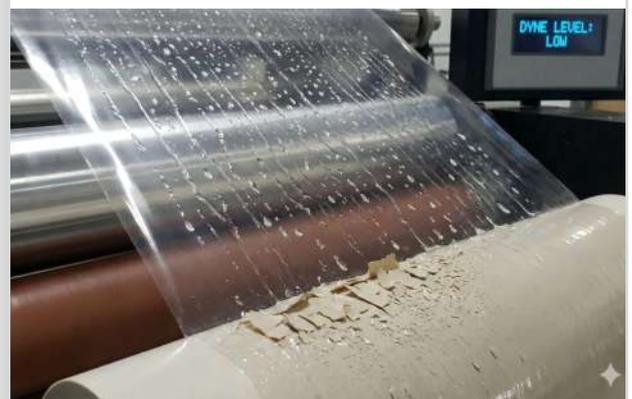
These hidden issues trigger delamination, leaks, and costly returns—often costing 10–15 times more than a corona system.

CORONA TREATMENT IS PROTECTION

Without it, every kilogram of film you produce carries hidden risks: rejection, customer loss, and brand damage.

It protects your product, your reputation, and your business.

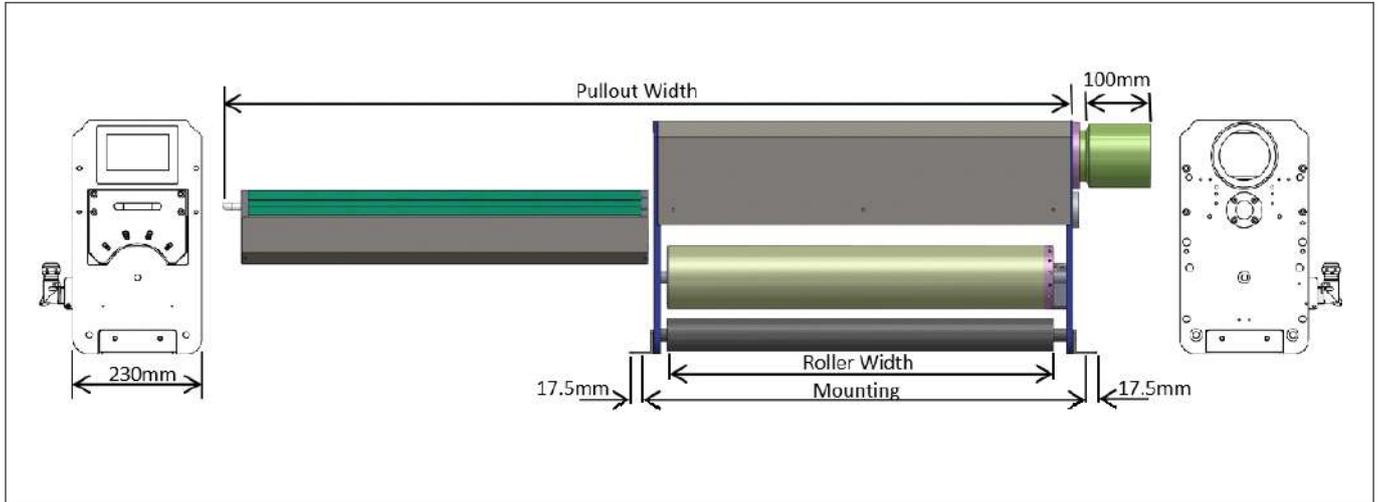
Install a corona treater—before your customer demands it.



**OUR TREATING STATION
FOR NARROW WEB**



TECHNICAL SPECIFICATIONS



Technical Specification			
Treatment Width	Roller Width	Mounting	Pullout
380mm / 15inch	450mm	550mm	990mm
460mm / 18inch	530mm	630mm	1140mm
530mm / 21inch	600mm	700mm	1280mm
620mm / 24inch	690mm	790mm	1460mm
690mm / 27inch	760mm	860mm	1600mm
760mm / 30inch	830mm	930mm	1740mm
840mm / 33inch	910mm	1010mm	1900mm
915mm / 36inch	965mm	1065mm	2010mm

General Specification	
Web Widths	380mm - 915mm
Line Speed	1mpm to 400mpm
Sides for Treatment	Single / Double / Dual
Electrodes	Ceramic (4 Nos)
Roller Diameter	100mm
Roller Coating	Ceramic (Optional)
Mounting	Cantilever / Wall Mounting / Base Mounting



FEATURES | ADVANTAGES



Easy Pull-Out Electrode Head :

Push-pull magazine allows quick electrode removal, easy cleaning, faster changeover, lower maintenance cost, and higher productivity.



Proximity Sensor with Pulse Block:

Auto-stops during web pauses to protect film; restarts instantly at preset power for seamless, uniform treatment.



Built-In Touch Panel :

Integrated touch panel provides simple, convenient control of corona treater operations and enhances machine aesthetics.

OPTIONAL ARRANGEMENTS



Ceramic-Coated Roller :

Dynamically Balanced rollers with optional ceramic coating ensure smooth rotation and uniform, high-distribution discharge.



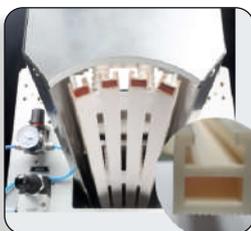
Dual Side Plates :

Thick dual side plates ensure high stability, precise alignment, easy installation, and stable web handling.



Double side/ Dual pass option

Enables treatment on both side processing for achieving high treatment levels on challenging materials.



Ceramic Electrodes :

Treats conductive and non-conductive films efficiently using multiple electrodes to maximize dwell time on tough substrates.



OUR SYSTEM GENERATORS



CORONOX



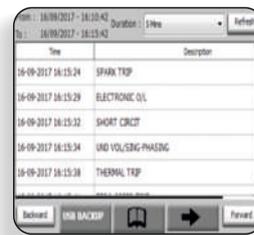
IEEC CORONOX GENERATORS – KEY HIGHLIGHTS

**HIGH UPTIME & CONSISTENT TREATMENT:
DESIGNED FOR RELIABLE, UNIFORM CORONA OUTPUT WITH MINIMAL DOWNTIME.**



Touchscreen HMI :

User-friendly 4.5" touch panel with graphical system overview, intelligent controls, auto watt density control, data logging, trends, and pictorial troubleshooting.

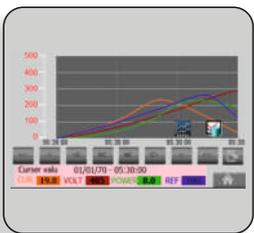


Production Logs :

Shift-wise or batch-wise performance records for detailed reporting.

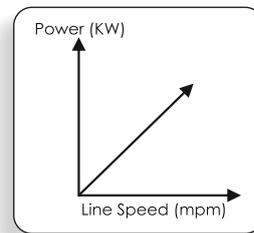
Data Logging & Analytics :

Stores up to six months of operational data for downtime analysis; exportable via USB.



Graphical Performance Trends :

Visual tracking of current, voltage, and power over time.

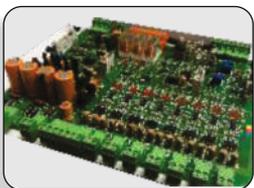


Proportional Watt Density Control :

Automatically adjusts power with line speed to ensure uniform treatment.

Wet Start Feature :

Prevents sparking and trips in high-humidity conditions.



Seamless System Integration :

Interfaces smoothly with the main operator console.



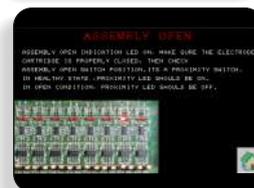
Smart Diagnostics :

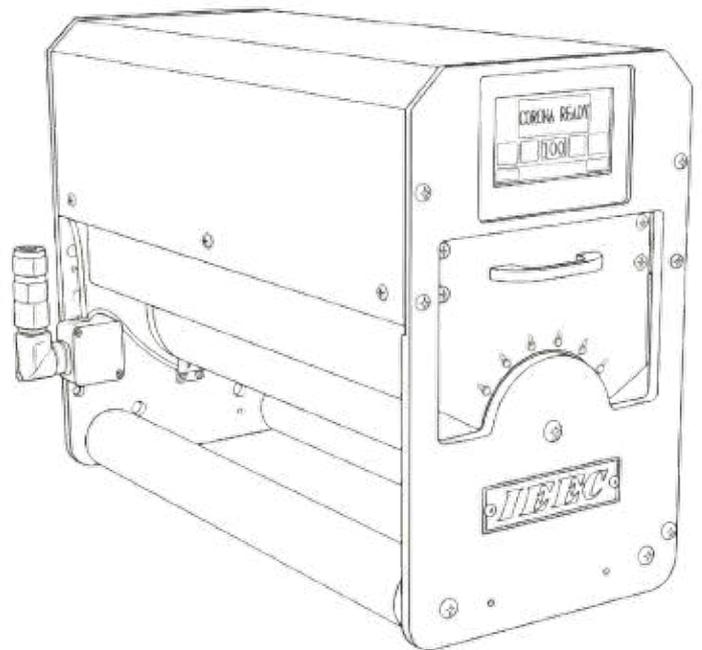
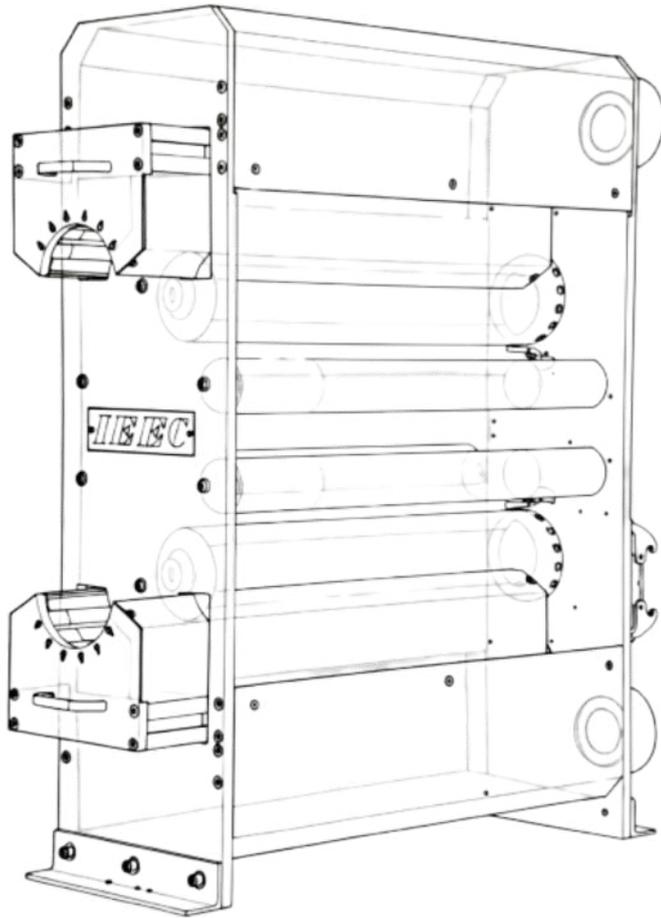
HMI displays clear fault indications with guided troubleshooting.



Modular Design :

Compact, replaceable modules enable fast servicing and reduced maintenance downtime.





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