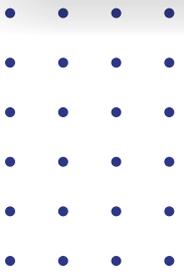


CORONA TREATERS FOR CONVERTING



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.

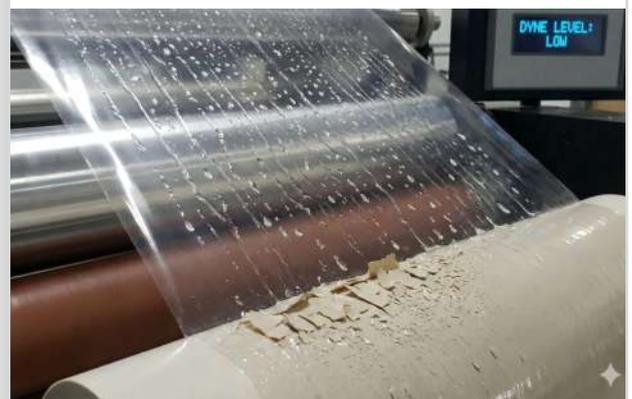
These hidden issues trigger delamination, leaks, and costly returns—often costing 10–15 times more than a corona system.

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.

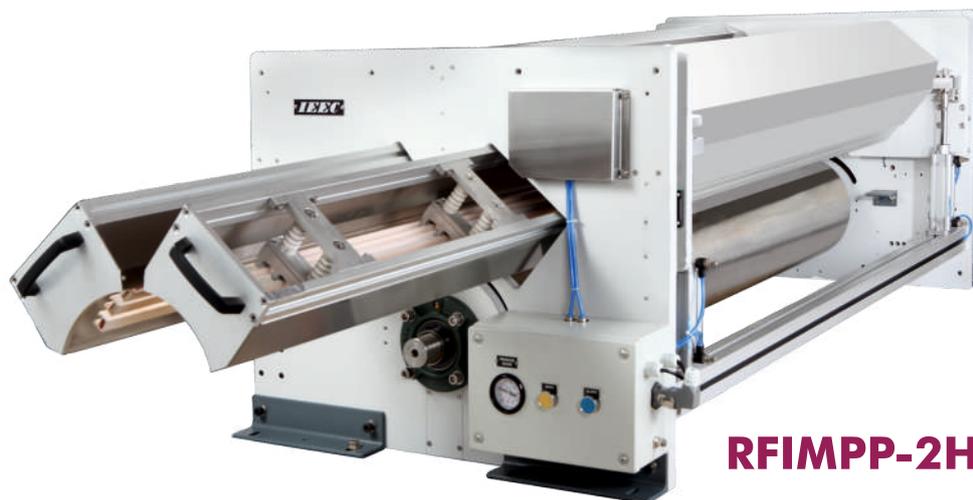
Install a corona treater—before your customer demands it.



**OUR TREATING STATION
FOR CONVERTING**

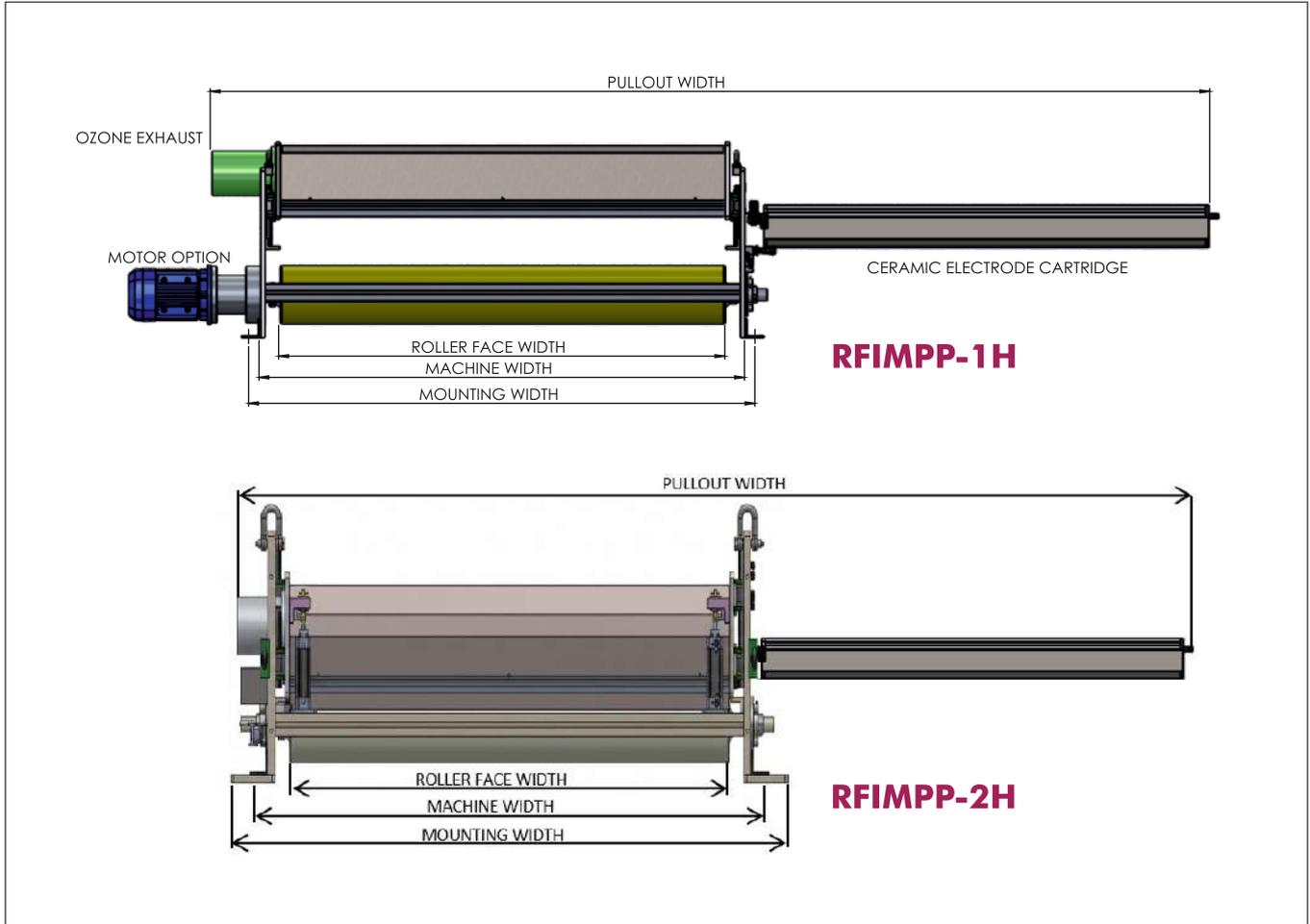


RFIMPP-1H



RFIMPP-2H

TECHNICAL SPECIFICATIONS



Specification		Standard Treatment Width
Web Widths	1100mm to 2700mm	1100mm
Speed	1mpm to 650mpm	1350mm
Sides for Treatment	1, 2	1650mm
Electrodes	Ceramic	1800mm
Roller Covering	Bare Aluminum, Silicon or Ceramic	upto 2700mm
Roller Diameter	Ø150mm -500mm	



FEATURES | ADVANTAGES

ELECTRODE SYSTEM & OPTIONAL FEATURES – KEY POINTS



Easy Pull-Out Electrode Head :

Push-pull magazine design enables quick removal, easy cleaning, reduced maintenance, and higher productivity.



Precise In-Line Air Gap Adjustment :

Uniform air-gap control across the web without stopping the machine for consistent treatment.



Stainless Steel Electrode Shrouds :

Corrosion-resistant guards prevent moisture ingress and premature arcing in humid conditions.



T-Slot Electrodes :

Ridge-profile mounting with durable ceramic insulators allows easy cleaning and fast electrode replacement.



Compact Design :

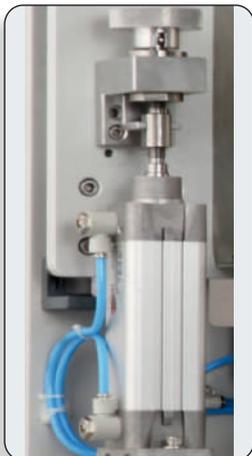
Space-saving construction for simple integration into existing production lines.

OPTIONAL ARRANGEMENTS



Driven Roller :

Synchronizes with line speed for efficient high-speed thin-film treatment.



Linear Electrode Head Actuation :

Precision guide blocks ensure smooth film threading and reduce moisture-related stoppages.

Nip Roller :

Prevents back-side treatment in high-speed operations.



Ceramic-Coated Roller :

Improves treatment of difficult substrates, supports higher speeds, and increases roller life.

OUR CORONA TREATMENT SYSTEM GENERATORS

CORONOX



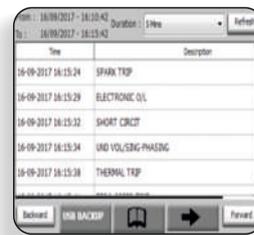
IEEC CORONOX GENERATORS – KEY HIGHLIGHTS

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



Advanced Touchscreen HMI :

Intuitive, password-protected interface with real-time monitoring and control.

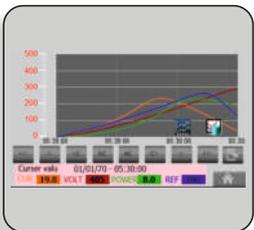


Production Logs :

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

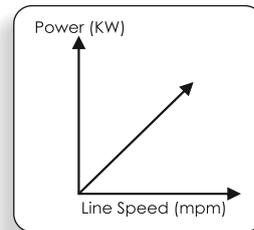
Data Logging & Analytics :

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.

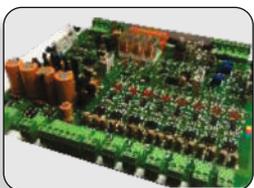


Proportional Watt Density Control :

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.



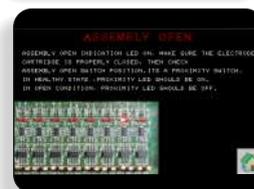
Smart Diagnostics :

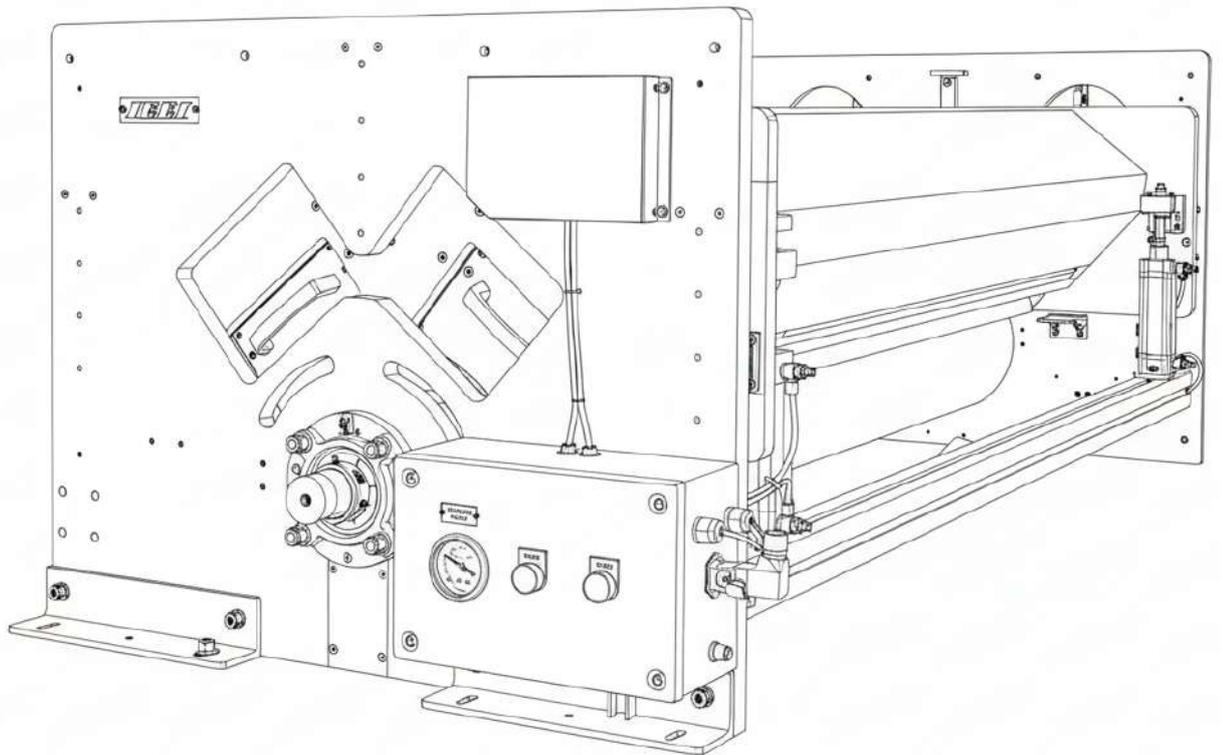
HMI displays clear fault indications with guided troubleshooting.



Modular Design :

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





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