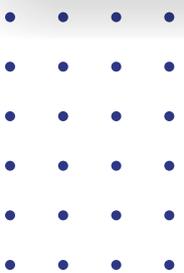
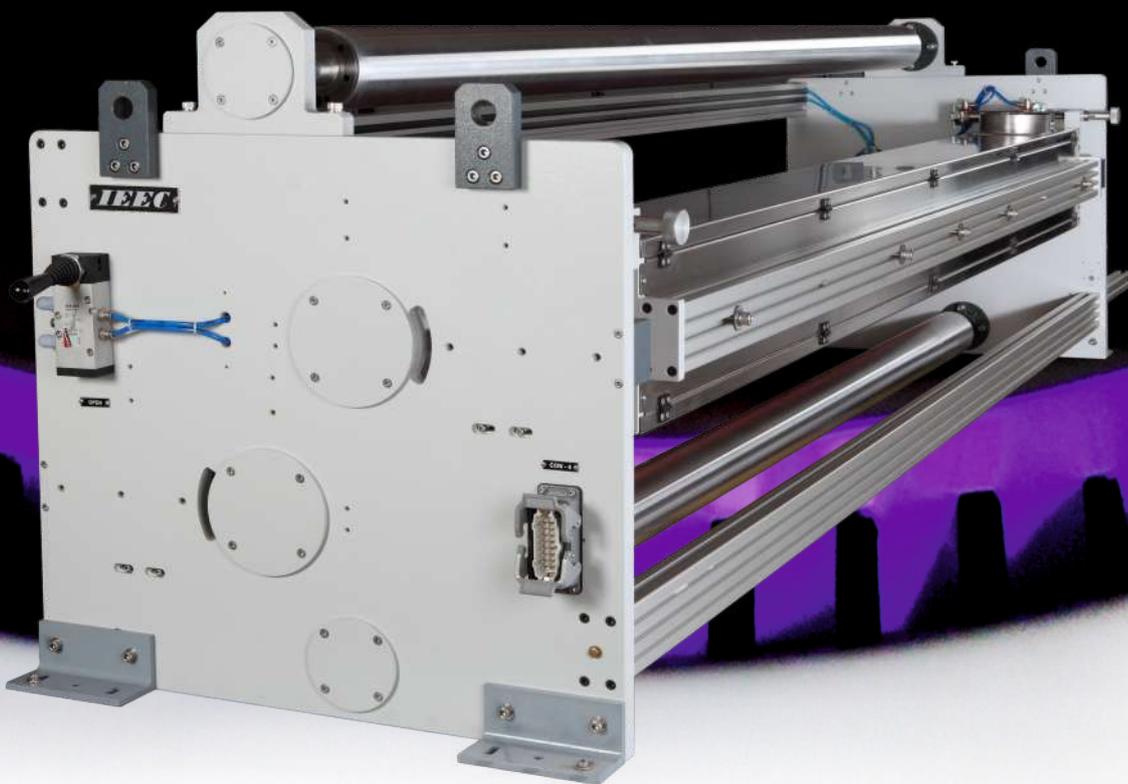


CORONA TREATERS FOR BLOWN FILM EXTRUSION



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.

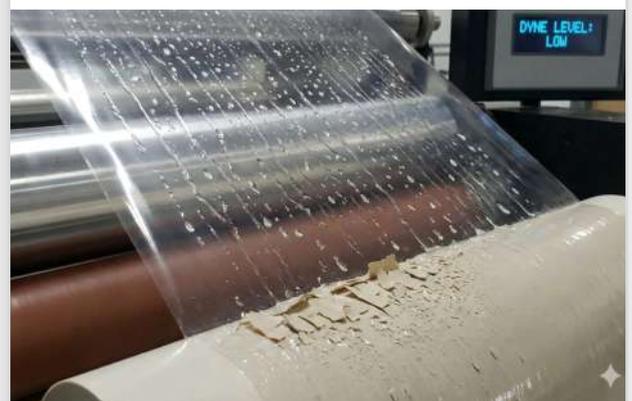
These hidden issues trigger delamination, leaks, and costly returns—often costing 10–15 times more than a corona system.

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 STATIONS
FOR BLOWN FILM**



RFI/100-4



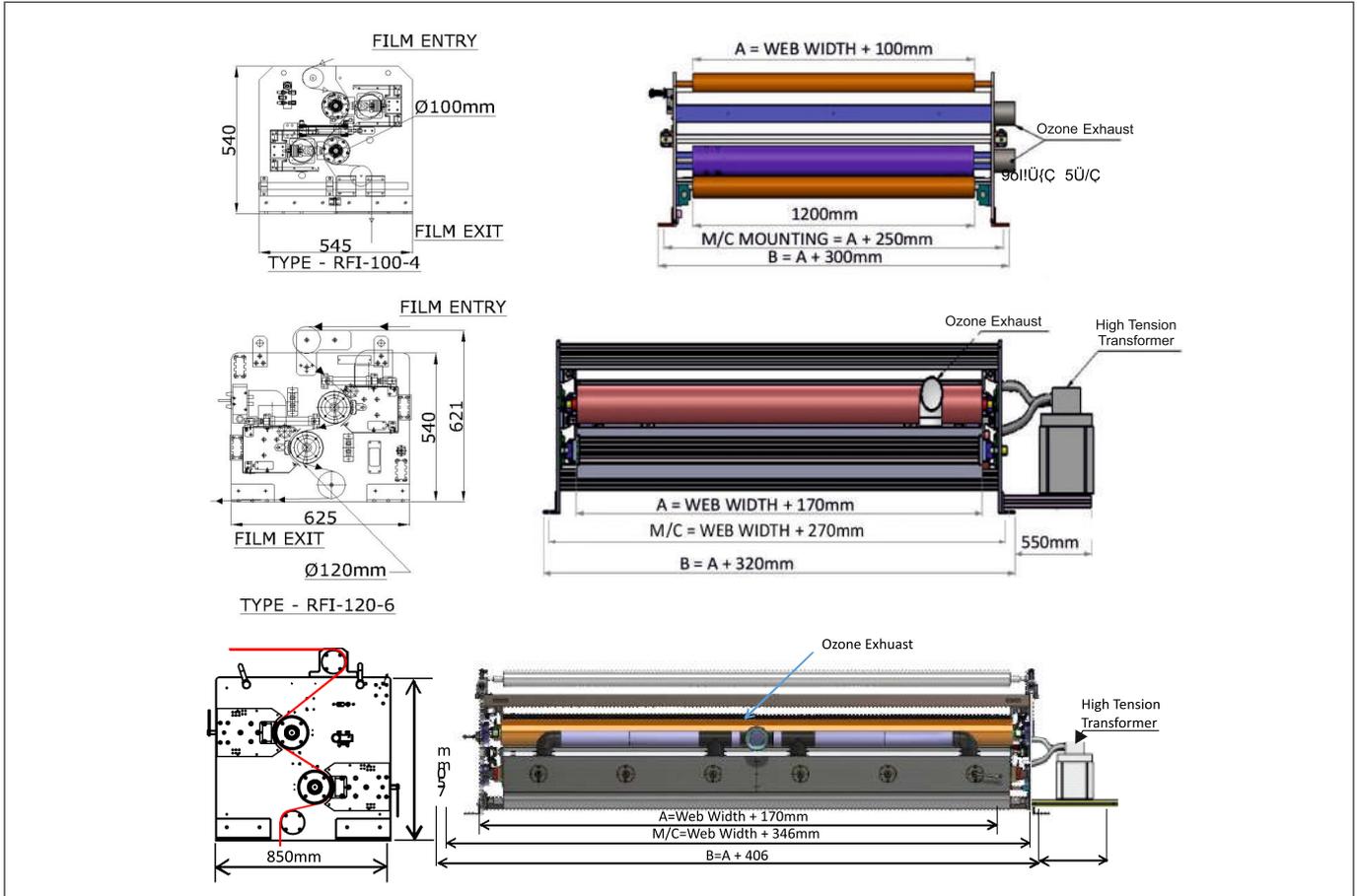
RFI/120-6



RFI/150-9



TECHNICAL SPECIFICATIONS



Specification	Standard Treatment Width
Width 700-3000mm	700mm/27inches 900mm/35inches
Speed 1-200mpm	1100mm/43inches
Sides for Treatment 1, 2, 4	1250mm/49inches 1400mm/55inches
Electrodes Aluminum / Stainless Steel	1600mm/62inches 1800mm/70inches
Roller Covering Silicon Sleeve / Silicon Coated / Ceramic Coated	2000mm/79Inches 2200mm/86inches
Roller Diameter Ø100mm -500mm	2500mm/98inches 2800mm/110inches 3000mm/118inches
	<i>OTHER SIZES AVAILABLE UPON REQUEST</i>





Multipoint Electrode Design :

Increases film dwell time under corona discharge, handles higher power levels, and ensures effective treatment of high-slip materials.



Segmented Electrodes (5 mm / 10 mm) :

Enable preferential treatment across the film width with corrosion-resistant coatings for uniform output.



External Air Gap Adjustment :

Allows precise, linear air-gap control across the web without stopping production.



Stainless Steel Electrode Heads :

Prevent moisture ingress and premature arcing in high-humidity environments.



Optimized Film Wrap Angle :

Entry and exit idler rollers maintain correct wrap, avoiding inside treatment and ensuring smooth film flow.



Linear Electrode Head Actuation:

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

OUR CORONA TREATMENT SYSTEM GENERATORS

CORONOX



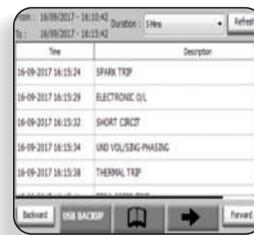
IEEC CORONOX GENERATORS – KEY HIGHLIGHTS

**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.

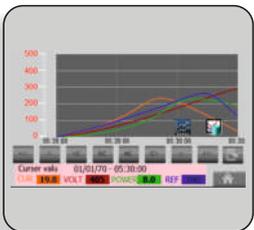


Production Logs :

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

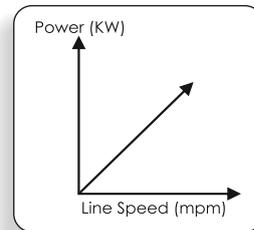
Data Logging & Analytics :

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.

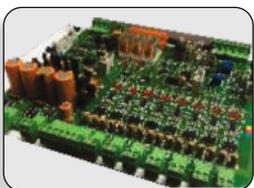


Proportional Watt Density Control :

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.



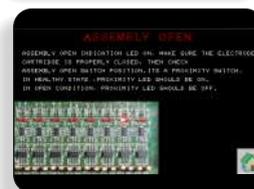
Smart Diagnostics :

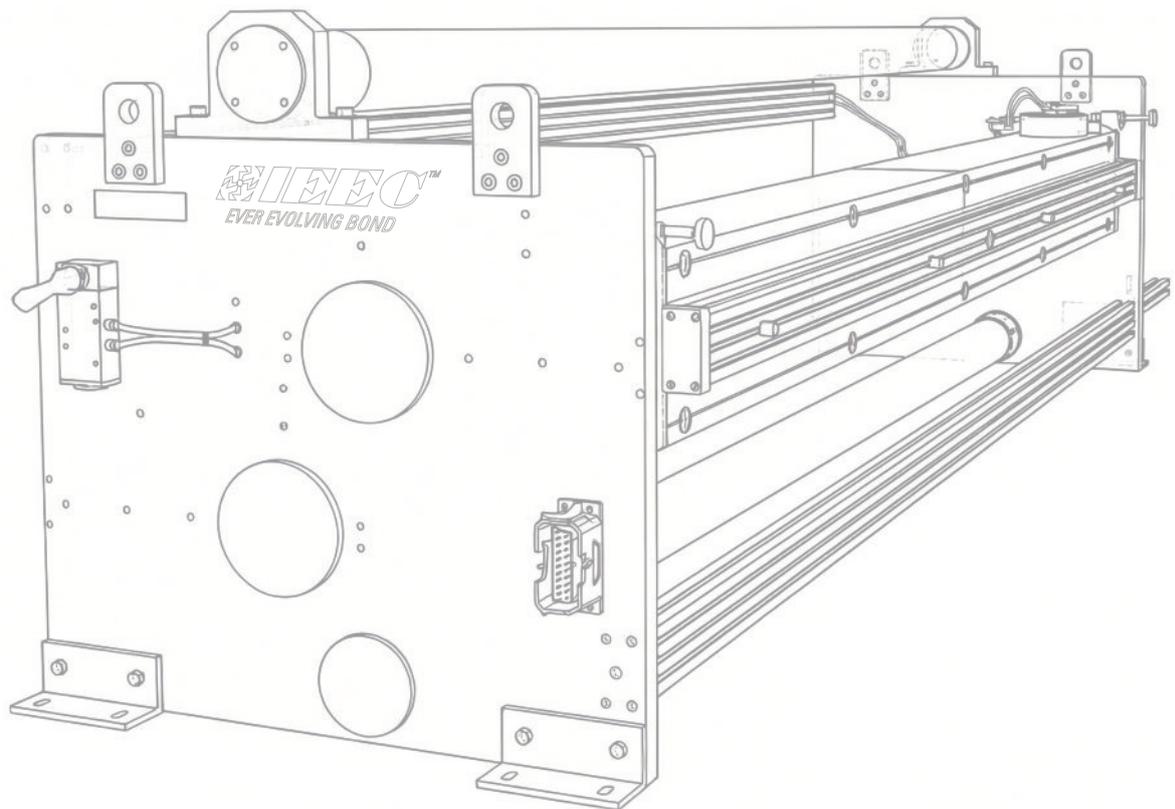
HMI displays clear fault indications with guided troubleshooting.



Modular Design :

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





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