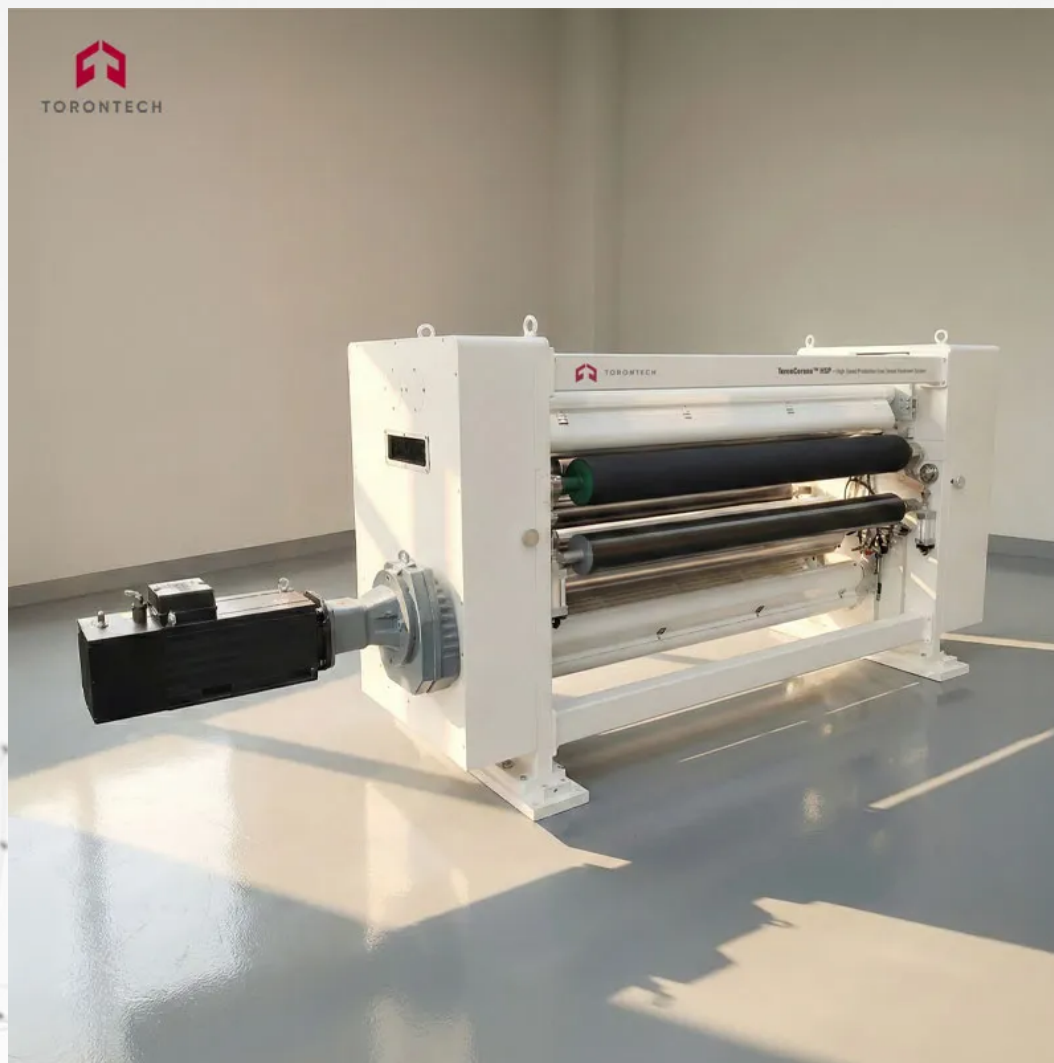




TORONTECH



HIGH-SPEED PRODUCTION LINE CORONA TREATMENT SYSTEM

High-Speed Production Line Corona Treatment System - ToronCorona™ HSP

High-Speed Production Line Corona Treatment System - ToronCorona™ HSP is an industrial-grade corona treatment machine engineered for continuous, high-speed production lines requiring uniform and reliable surface activation. This advanced corona treatment equipment enhances surface energy by modifying the molecular structure of materials, significantly improving adhesion for printing, coating, laminating, and bonding processes.

Designed with a visible discharge window and precision linear guide rails, the system allows real-time observation of the corona discharge state while ensuring stable electrode positioning. Fast air-gap calibration, optional conductive rubber rollers, and in-process adjustability make this corona surface treatment system ideal for demanding manufacturing environments where consistency, speed, and reliability are critical.

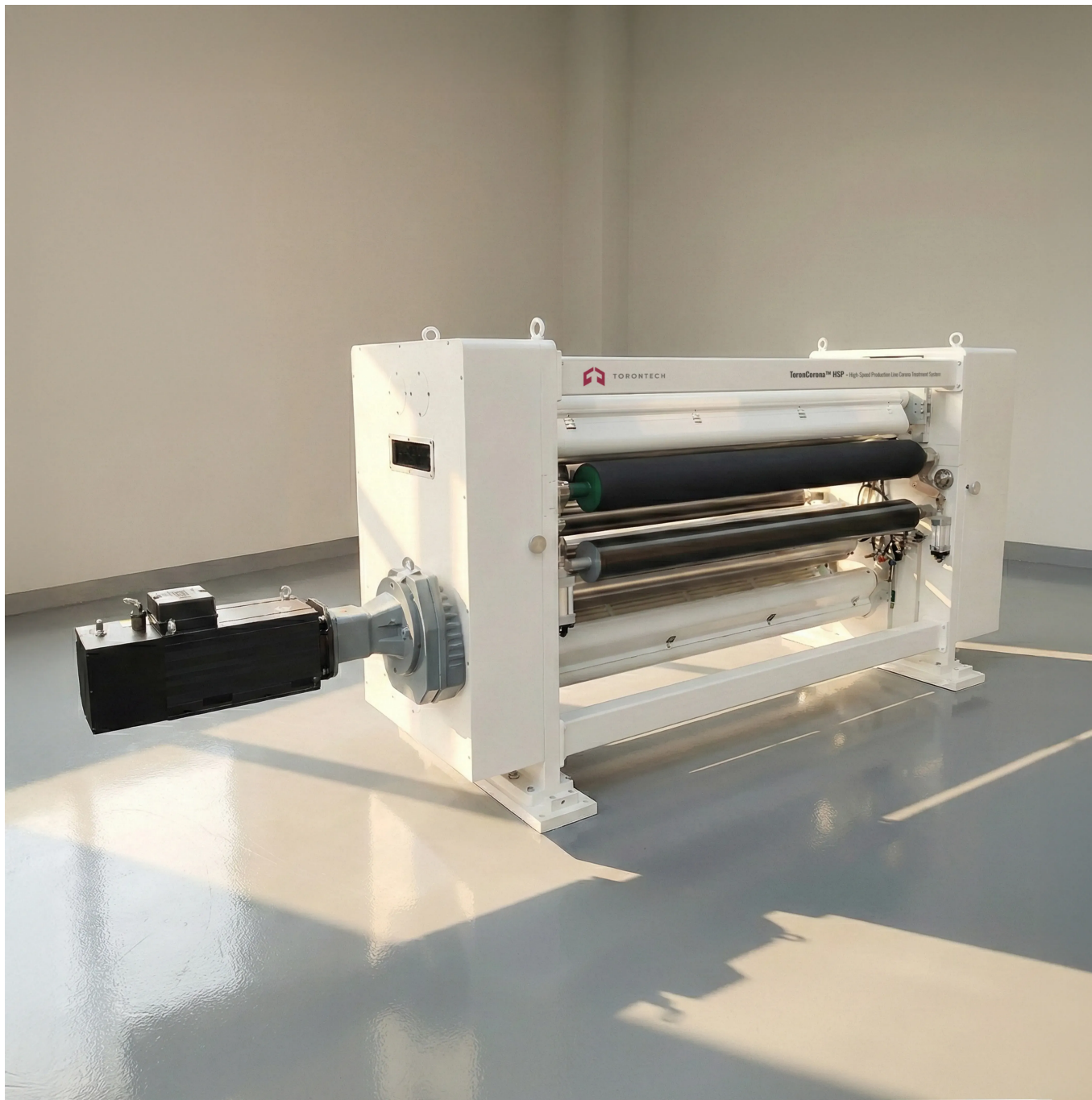
APPLICATIONS

High-Speed Production Line Corona Treatment System - ToronCorona™ HSP Applications

The High-Speed Production Line Corona Treatment System - ToronCorona™ HSP is widely used across high-output industrial processing lines, including:

- Flexible Packaging Films - Enhances ink, coating, and adhesive bonding on plastic films such as PE, PP, PET, and multilayer laminates.
- Paper and Paperboard Processing - Improves surface wettability for printing and coating applications.
- Aluminum Foil and Metalized Films - Activates low-surface-energy metal substrates for composite and laminated structures.

- Coating and Laminating Lines – Ensures uniform corona surface treatment across wide web widths at high speeds.
- Blown Film and Casting Lines – Supports inline corona treatment for extrusion-based film production.



FEATURES

High-Speed Production Line Corona Treatment System - ToronCorona™

HSP Key Features

- Visible Corona Discharge Window
 - Enables continuous visual inspection of discharge uniformity during operation.
- Precision Linear Guide Rail System
 - Provides smooth, accurate electrode lift and positioning for consistent treatment results.
- Fast Electrode Air-Gap Calibration
 - Allows rapid adjustment to maintain stable corona discharge across varying materials.
- Optional EDPM Conductive Rubber Rollers
 - Prevents wrinkles and surface scratches during high-speed processing.
- In-Process Adjustability
 - Corona intensity and electrode gap can be adjusted without stopping production.
- High-Speed Production Capability
 - Designed for wide-web, continuous operation with stable corona output.
- Durable, Ozone-Resistant Construction
 - Aluminum oxide sandblasted side plates and 304 stainless steel components resist corrosion and ozone exposure.
- Optional Water-Cooled Structure
 - Reduces heat buildup during extended high-power corona treatment.





TECHNICAL SPECIFICATIONS

High-Speed Production Line Corona Treatment System - ToronCorona™ HSP Technical Specifications

Parameter	Specification
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Product Type	High-Speed Production Line Corona Treatment System – ToronCorona™ HSP
Model	ToronCorona™ HSP
Treatment Method	Atmospheric corona discharge
Electrode Movement	Precision linear guide rail lift system
Discharge Observation	Visible discharge inspection window
Adjustment Method	Fast electrode air-gap calibration
Roller Options	Optional EDPM conductive rubber rollers
Cooling Method	Air cooling (water cooling optional)
Application Mode	Inline, continuous production
Suitable Materials	Plastic films, paper, aluminum foil, composites
Production Speed Compatibility	High-speed industrial lines
Construction Material	Aluminum alloy, 304 stainless steel
Ozone Resistance	High
Installation	Fixed inline mounting
Operation	Continuous, adjustable during production



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