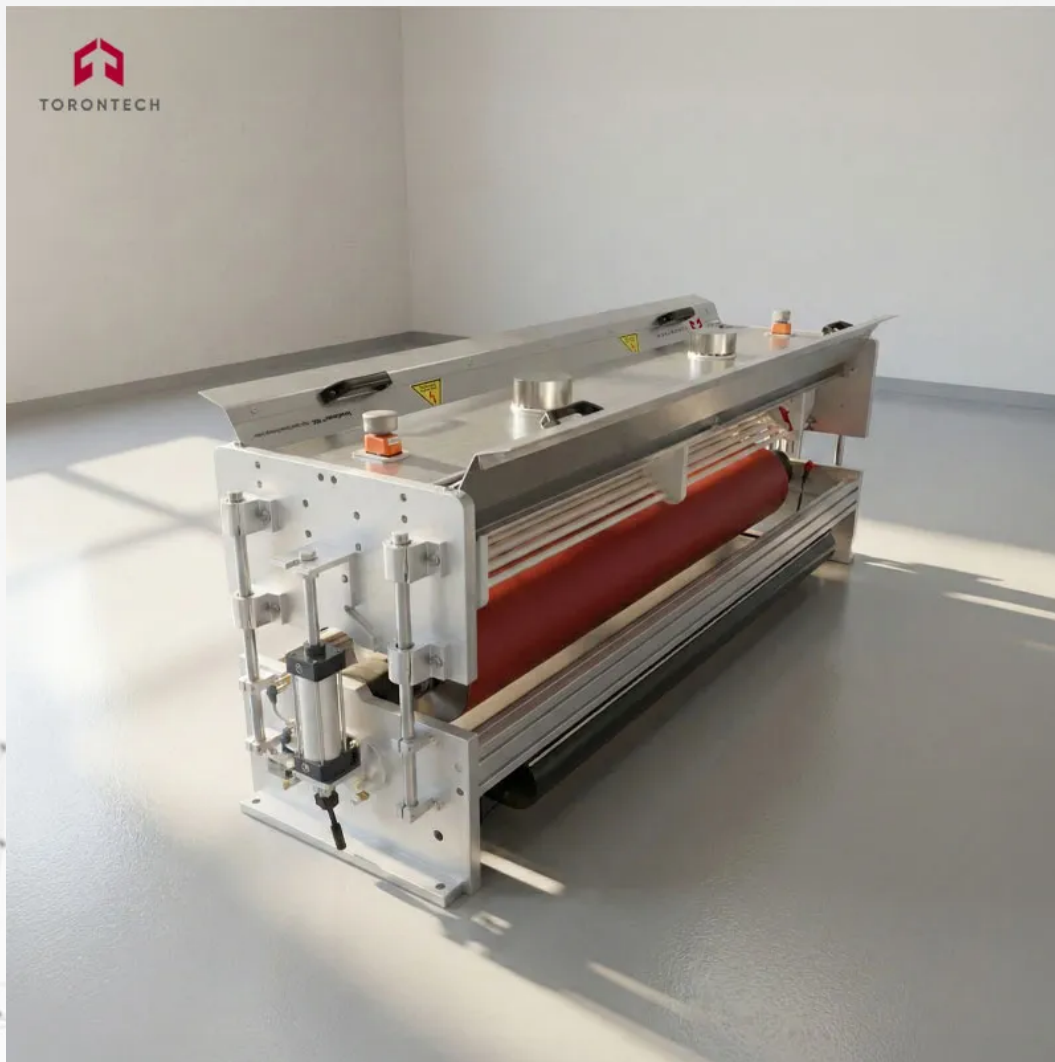




TORONTECH

HIGH-SPEED CORONA DISCHARGE SYSTEM



High-Speed Corona Discharge System - ToronCorona™ HSC

High-Speed Corona Discharge System - ToronCorona™ HSC is a specialized corona surface treatment system engineered for composite film, coating, and blown film production lines. Designed for continuous industrial operation, the system generates a stable and uniform corona discharge that modifies surface energy, improving adhesion for inks, coatings, laminates, and adhesives.

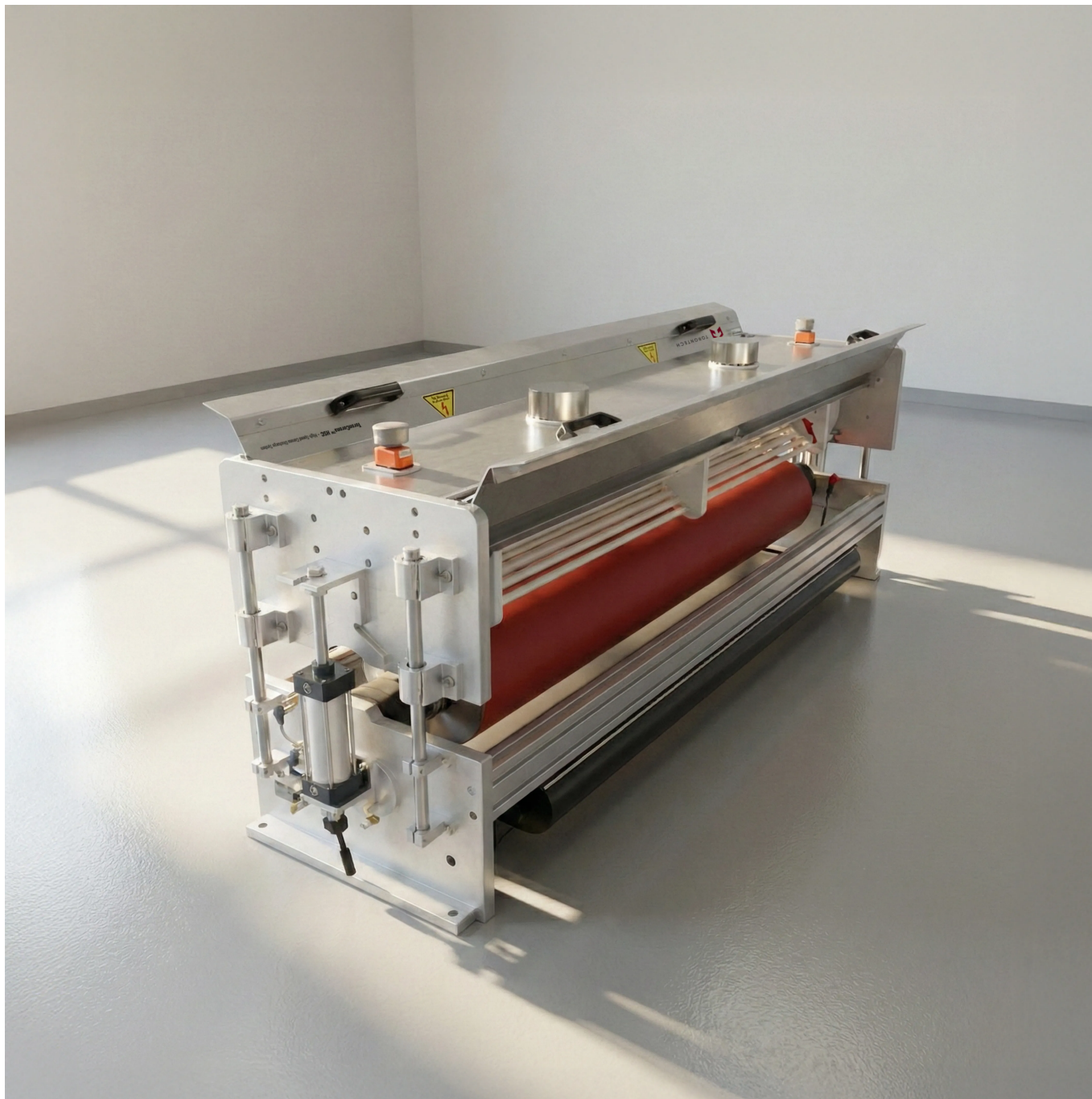
The corona treatment equipment supports both aluminum electrodes and imported ceramic electrodes, allowing precise treatment of conductive and non-conductive materials. Its robust mechanical structure, adjustable electrode configuration, and production-line compatibility make it ideal for high-speed web handling and wide-width materials.

APPLICATIONS

High-Speed Corona Discharge System - ToronCorona™ HSC Applications

This High-Speed Corona Discharge System - ToronCorona™ HSC for corona treatment machine is widely used in:

- Composite Film Production – Improves surface wettability before lamination and coating processes
- Blown Film Lines – Enhances adhesion performance for multilayer plastic films
- Paper & Paperboard Processing – Prepares surfaces for printing and coating
- Aluminum Foil Treatment – Activates metal foil surfaces for bonding and lamination
- Coating & Casting Lines – Ensures consistent surface activation prior to coating application
- Printing & Laminating Equipment – Improves ink anchorage and laminate bond strength



Applicable Materials

- Plastic films (PE, PP, PET, BOPP, CPP)
- Composite rolls
- Paper and paperboard
- Aluminum foil
- Conductive and non-conductive web materials

FEATURES

High-Speed Corona Discharge System - ToronCorona™ HSC Key Features

- Dual Electrode Options Supports aluminum electrodes for non-conductive materials and ceramic electrodes for both conductive and non-conductive webs.
- High-Speed Production Capability Engineered for continuous operation on high-speed coating, laminating, and blown film lines.
- Uniform Corona Treatment Across Web Width Adjustable electrode gap ensures consistent surface activation across the entire material width.
- Production-Line Integration Compatible with blow molding machines, coating machines, casting lines, laminators, and printing presses.
- Precision Mechanical Adjustment Electrode spacing and treatment intensity can be fine-tuned during operation.
- Thermal Stability Options Optional water-cooled structure reduces heat buildup during high-output corona discharge.
- Durable Industrial Construction Built for long-term use in demanding manufacturing environments.
- Oil immersed bearing seat The roller has high precision in operation and the film is not easily wrinkled
- High voltage line connection end The high-voltage line connection end adopts polytetrafluoroethylene protection with excellent dielectric properties, high insulation strength, and strong arc resistance.

- Aluminium electrode ceramic electrode Aluminium electrodes are used to process all non-conductive coils, paper, and composite materials



Oil immersed bearing seat



High voltage line connection end



Aluminium electrode ceramic electrode

TECHNICAL SPECIFICATIONS

High-Speed Corona Discharge System - ToronCorona™ HSC Technical Specifications

Parameter	Specification
Product Type	High-Speed Corona Discharge System - ToronCorona™ HSC
Electrode Type	Aluminum Electrode / Imported Ceramic Electrode
Applicable Materials	Plastic films, paper, aluminum foil, composite rolls
Processing Mode	Continuous roll-to-roll corona surface treatment
Compatible Equipment	Blown film machines, coating machines, laminators, printers
Web Type	Conductive and non-conductive materials
Cooling Option	Optional water-cooled structure
Adjustment Method	Mechanical fine adjustment of electrode gap
Installation	Inline production line mounting
Operating Environment	Industrial continuous-duty operation



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 🇨🇦

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 🇺🇸

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 🇦🇪

Phone: +971 488 19252
Email: me@torontech.com

