

Printing – Extrusion – Converting Universal

Converters and Printers can now have the best of the Pillar Universal corona treating station. This advanced technology features a patented design of interchangeable magazines to allow operation as a bare roll (conductive substrates); covered roll (non-conductive substrates); or dual-dielectric (delicate substrates) system.

Patented Modular Interchangeable Electrode

Magazine Electrodes on the Universal station can be replaced or interchanged in a matter of seconds. Slide the segmented stainless steel magazine out and the ceramic tube magazine in, now you're ready to run with a dual dielectric configuration. Take out the covered roll and replace with a bare roll, now you can run conductive substrates. This patented modular magazine approach makes cleaning and changeover effortless with minimal downtime.

Interchangeable Electrode Assemblies

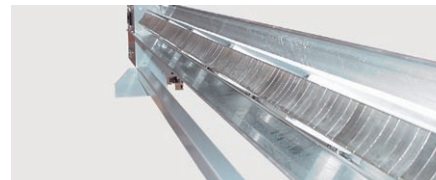
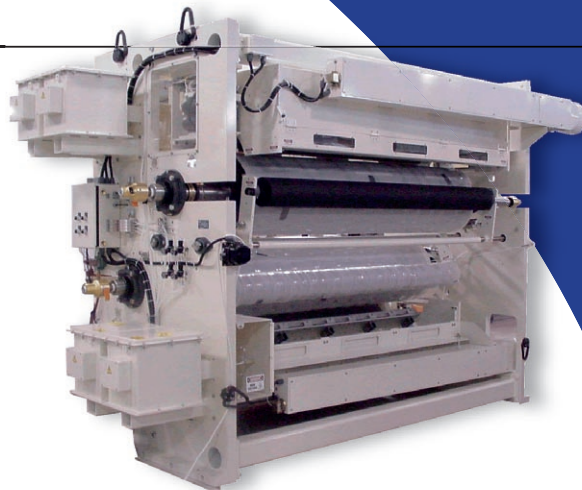
Stainless Steel Segmented Electrodes (available in 12.5 mm, 6 mm, 3 mm sizes) now allow operators using dielectric covered rolls the flexibility to treat various web widths and "lane" treat while achieving higher treat levels.

Stainless Steel Finned Electrodes are used in conjunction with dielectric covered ground rolls for efficiently treating difficult to treat, non-conductive materials with a fixed or stripe treat width requirement.

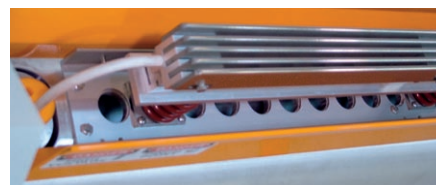
Ceramic Round or Square Electrodes are designed for converters looking to treat metallized, thin or sensitive substrates.

Special Electrode Mounting of the Electrode Assemblies

The Universal magazine design enables each material to thermally expand at its own rate without causing electrode warping or changes in gap, ensuring even treatment across the web. Special electrode mounting prevents electrical shorts due to the carbonizing of build up, thus reducing excessive spare parts inventories, clean up time, and maintenance.



*Stainless Steel Segmented
(Adjustable Treat Widths)*



Stainless Steel Finned



Ceramic Tube



- External Gap Adjust with Micrometer** Gap adjustments become as elementary as turning a dial, reducing set-up time.
- Patented Pneumatic Electrode Thread Up Mechanism** This feature is designed to pivot electrodes out of the way for easy thread up. The unique design also enables knots and splices to move easily through the gap without breaking the web or damaging the electrode.
- Easy Roll Removal** This unique system incorporates slotted end plates with access covers to make roll changeovers quick and simple.
- Roll Coverings** The Universal is compatible with all commercially available treater roll coverings. Dynamically balanced treater rolls equipped with externally mounted ground brushes.
- 25 mm thick Aluminum End Plates for Rigidity** Provides increased equipment rigidity to eliminate issues associated with web wrinkles and alignment.

Universal Specifications

	Universal Conductive	Universal Non-Conductive
Easy Roll Removal	Standard	Standard
Electrode Type	Ceramic Tube	Stainless Steel Tube Stainless Steel Segmented Finned Electrode
Electrode Assemblies Available	Up to 4 per Side	Up to 4 per Side
External Gap Adjust	Standard	Standard
Microprocessor Controlled Diagnostics Zero	Standard	Standard
Speed Detection	Standard	Standard
Patented Pneumatic Retract Assembly	Standard	Standard
Roll Type*	Steel, Aluminum, Water Cooled	Steel, Aluminum, Water Cooled
Roll Diameters*	150, 200, 250, 300, 350, 400 mm or larger	150, 200, 250, 300, 350, 400 mm or larger
Roll Coverings Available	Bare, Conductive Ceramic, Hard Coat	Ceramic, Epoxy, Glass, Hypalon, Silicone, Silicone Sleeve (100, 150, 200, 250 mm rolls only)
Sides Treated Treat	1 or 2 (3 and 4 available for Blown Film)	1 or 2 (3 and 4 available for Blown Film)
Widths Accommodated*	305 mm – 3050 mm	305 mm – 3050 mm
Modular Magazine	Standard	Standard
Spare Magazine	Optional	Optional
Idler Rolls	Optional	Optional
Micrometer Controlled Gap Readout	Optional	Optional
Nip Roll Assembly	Optional	Optional
Pressurization Package	Optional	Optional
Tamper Proof Gap Adjust	Optional	Optional
Tendency Drive Package*	Optional	Optional
Direct Drive*	Optional	Optional

* Contact your ITW-ST agents for customized information. Dimensions and specifications subject to change without notice. Certified dimensions available on request.