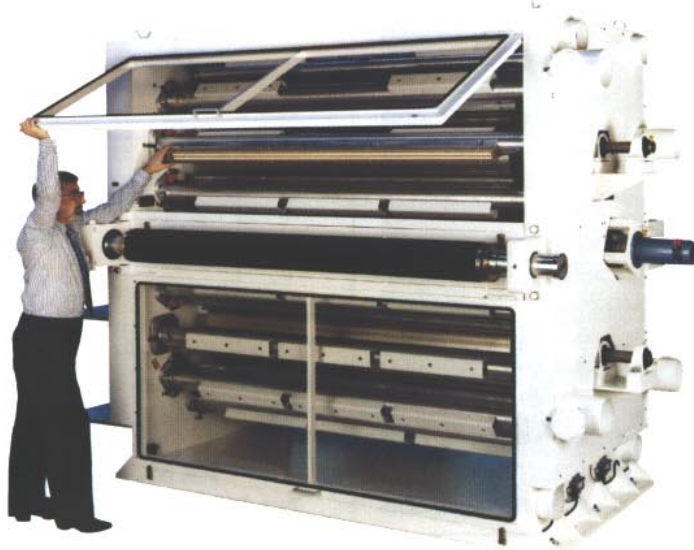


The Bare-Roll Open* Station

Ceramic Electrode/Bare-Roll Treaters

Bare-Roll treating, corona treating without a dielectric covered roll, is a significant advancement which Enercon pioneered in 1980. Now, well-known as the experienced leader in Bare-Roll treating, Enercon has continued its research and development of electrode materials and station design to achieve higher levels of effectiveness and efficiency while retaining all the benefits of Bare-Roll treating.

For example, Enercon stations feature an air flow and exhaust system that results in an ozone-safe work area, our high efficiency rectangular ceramic electrodes increase treatment levels, and we developed station designs that reduce wrinkling of webs and inhibit oxidation of the treater roll. You can be sure that the product you purchase from Enercon is at the forefront of corona treating technology.



Custom Bare-Roll Treater Station: Designed to Treat Two Sides at 2,000 Feet-Per-Minute



Standard Bare-Roll Treater

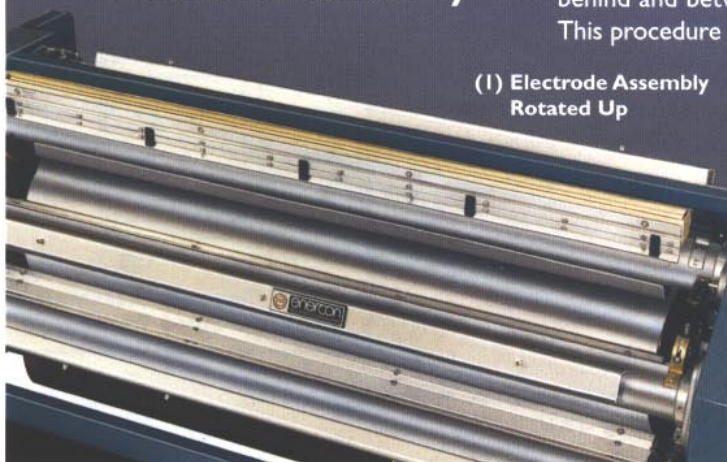
Bare-Roll Features

- Reliable, Even Treatment at High Line Speeds.
- Eliminates High-Cost, High Maintenance Covered Rolls.
- Air-Flow System Allows an Open Station For Easy Web Threading.
- High Degree of Operator Safety with Electrically Grounded Roll.
- High-Efficiency Treatment of Non-Conductive and Conductive Webs.

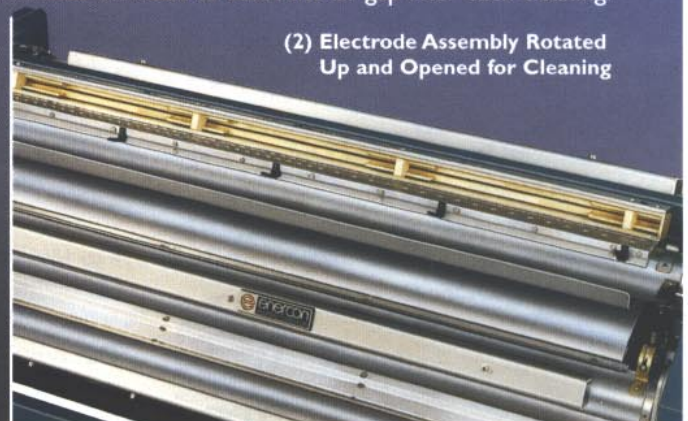
Hinged Electrode Assembly

- Easier Maintenance
- Reduce Downtime
- Increase Reliability

The shroud containing the electrodes is hinge-mounted to the electrode assembly exhaust tube. To clean the exhaust path, merely rotate the assembly up (1), lock into place and unsnap the heavy-duty clips on one side of the shroud. The electrode shroud can then be rotated out of the way (2). This permits easy cleaning of the exhaust airports and areas behind and between the electrodes without complete assembly removal. This procedure eliminates the need to reset the air gap after each cleaning.



(1) Electrode Assembly Rotated Up



(2) Electrode Assembly Rotated Up and Opened for Cleaning

*Protected under foreign patents and US Patent No. 4,446,110.

The Bare-Roll Open* Station

Ceramic Electrode/Bare-Roll Treaters

Station Sizes and Configurations

- a) Web width up to 160" (4m).
- b) Line speeds up to 3000 fpm (914 mpm) single or double side treatment.
- c) Purged stations are available for use in hazardous atmospheres.

Station Construction

- a) Rugged mechanical construction. Aluminum shield protects the electrode and provides operator safety.
- b) Components constructed of steel and aluminum for maximum operational life in industrial environments.
- c) Ozone removal and electrode cooling are an integral part of the electrode assembly design.

Station Features

- a) Eliminates dielectric covering on treater rolls.
- b) Save cost of a spare dielectric roll since it is no longer necessary.
- c) No loss of film or production time due to roll covering burnout.
- d) Treater roll size (diameter) is reduced.
- e) Universal System: Treats any web—plastic, foil, metallized film or paper.
- f) Exhaust system provides for both ozone removal and electrode temperature stability.
- g) Ceramic Electrodes have a life measured in years and provide higher treatment levels.

Station Options

Through the use of multiple electrode assemblies, nip roll, idler rolls or a combination of these features, stations are available for:

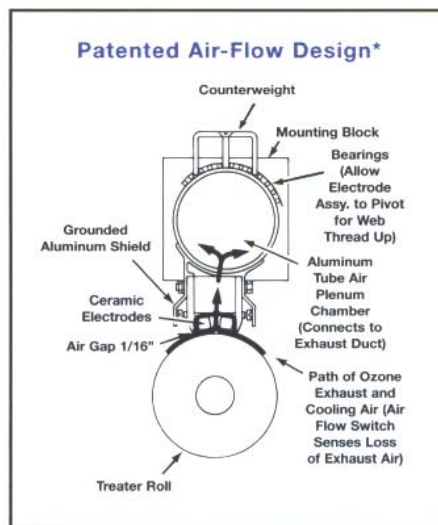
- a) Enhanced treatment for hard to treat material.
- b) Applications where backside treatment is a potential problem.
- c) Applications where wrinkling is a potential problem.
- d) Electrode assembly mounted over existing idler roll where space is almost non-existent.

System Options

- a) Proportional Speed and Watt Density Control.
- b) Remote control panel.
- c) Computer interface.
- d) Power Supplies: 17 models cover a range from 1kW to 100kW.
- e) Ozone-Ex™ Ozone Eliminator.

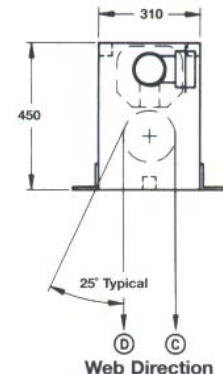
Standard Features	Benefits
Electrode Safety Interlocks	Protects operators
Zero Speed Switch	Protects web
Ozone Resistant Construction	Long operational life
Separate Low Voltage Circuitry.....	Long term reliability
Duct Connection for Ozone Exhaust.....	Eases user installation
Air Flow Switch	Safety interlock
Integral HV Transformer Mount.....	No high voltage ducting

Optional Features	Benefits
Exhaust Blowers	Insures adequate and safe ozone removal
Extended Shafts	Allows driven station
Drives	Engineered to meet your application requirement
Ozone Elimination Unit.....	Allows ozone free exhaust to atmosphere
Skip Treat Control.....	Solves heat seal problems
Nip Rolls	Prevents backside treatment
Idler Rolls	Allow wide range of web entry and exit angles

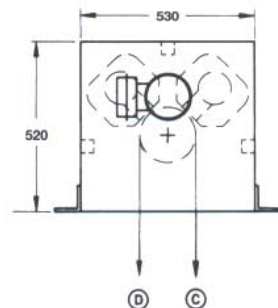


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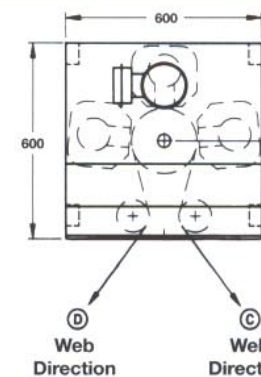
Standard Configurations



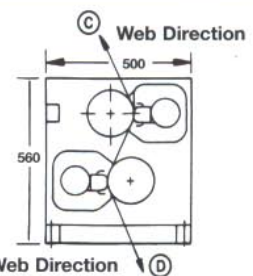
One Electrode Assembly



Two Electrode Assembly



Three Electrode Assembly



One Electrode Assembly Two-Sided Treater



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