

CRD

Corona station



The benchmark for bi-orientation film production lines

The CRD represents the latest in application-specific corona stations for bi-orientation film production lines from the SOFTAL product range. In combination with a corona generator, the station is specified in accordance with the material to be treated and the customer application to functionalize the surface of web materials for improved adhesion of inks, lacquers, adhesives, metalization and other specialised coatings. The CRD station is supplied complete with Intelliblade™ electrodes for treatment widths up to 11 m.

Specifically designed for use in bi-orientation lines producing BOPP and other materials, the stations are custom designed for each installation as required.

Product features

Higher power output

The new electrode design allowing up to 12 kW per meter, which is our highest value yet, producing the same results obtainable with 2 instead of 3 electrodes. This reduces maintenance effort and roller diameter, thus manufacturing costs of the line.

Robust design

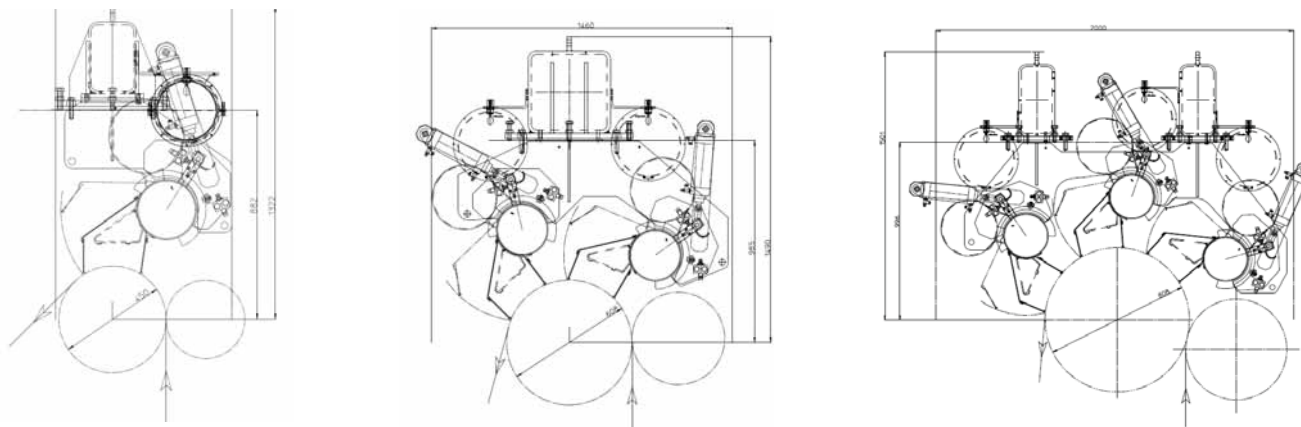
Corrosion resistant materials such as stainless steel, ceramic and anodized aluminium are used to match the station to aggressive operating atmospheres and facilitate maintenance.

Modular generators

Up to 144 kW per single CRD electrode are available using the revolutionary design of SOFTAL generators.

Adhesion guaranteed!

Coronastation CRD



- Sectional view of the CRD with one, two and three electrodes.

Technical features

- Single side and double side treatment.
- Patented Intelliblade™ electrodes.
- Power capacity for each electrode assembly 12 kW/m.
- Specially developed heated ceramic insulator assemblies ensure isolation of the high voltage corona.
- Stable electrode air gap with adjustment on each electrode support.
- Sophisticated web break protection with pivoting electrode system.
- Detachable covers for easy maintenance and servicing.
- Efficient ozone extraction and cooling of the electrodes directly through each electrode housing, protecting against overheating of the film.
- Balanced electrodes which swing away upon impact from the web.
- Roll rotation sensor for assembly to customer supplied roller.
- Ozone extraction flow monitor.

Options

Heated High Voltage (HHV), Heated Air Start-up (HAS).

Technical data

Type of electrode	Metal (IB)
Electrode configuration	max. 28x Intelliblade™ (IB28)
Number of electrodes	max. 3
Roll diameter	450, 608, 808 mm, dependent on the number of electrodes
Treatment width	max. 11 m



Improved dyeing



No more wet chemicals



Low operating cost



Improved adhesion



High wettability



Custom-engineered solutions



SOFTAL Quality



Environmentally friendly process



Uninterrupted operation