

LTC

Laboratory Corona



Compact Corona System for your Laboratory

Specifically designed for use in research and development with atmospheric pressure air plasma and product development in film extrusion, coating and printing industries.

The LTC Laboratory System is based on the same electrode modules as used in our industrial scale corona systems. This enables determination of optimal material and process specific corona parameters which can be upscaled to your production.

Product features

Reproducible Results

Motorised sample table provides constant treatment speed and specific treatment dosage ($Wmin/m^2$).

Flexibility

Adjustable treatment power and speed enables a wide range of treatment dosage ($Wmin/m^2$) to be selected. Treatment of non-conductive and conductive materials.

Totally Integrated Station

with internal generator, high voltage transformer, ozone extraction and ozone filter. No peripheral equipment is required.

Adhesion guaranteed!

Laboratory Corona LTC

Technical features

- Motorised sample table for selectable, constant treatment speed.
- Integrated ozone extraction with catalytic converter.
- Adjustable electrode air gap with dial and scale.
- Safety housing and system (Performance Level C).
- Integrated 9000L generator and HT transformer.
- Intuitive TFT colour touch display.
- Power setting in Watts and treatment dosage displayed in Wmin/m².

Options

Metal electrode with silicon coated sample table for treatment of only non-conductive materials

Technical data

Treatment power	5 – 300 W
Treatment width	230 mm (suited for DIN A4)
Treatment speed	1 – 30 m / min
Corona dosage	1 – 1300 W min / m ²
Dimensions (WxHxD)	1000 x 1300 x 600 mm
Mains Supply (alternative)	3x 380 – 460 V + N, 50/60 Hz or 1x 230V, 50/60 Hz
Weight	ca. ?? kg (wird gewogen wenn fertig)
Colour	RAL 7035, other on request
Ambient temperature	max. 35 °C



Improved dyeing



No more wet chemicals



Low operating cost



Improved adhesion



High wettability



Custom-engineered solutions



SOFTAL Quality



Environmentally friendly process



Uninterrupted operation