

# 9000E

## Generator up to 12 kW



### Universal corona generator for all applications

Sophisticated electronics in a compact housing, innovative software and hardware solutions with a user-friendly interface — our high-tech generator 9000E is tailor made for the requirements of the converting industry. Reliable results, uninterrupted operation and a low overall cost of ownership are important qualities in a device that is expected to fulfil one big expectation: „install and forget“.

#### Product features

##### **Robustness**

Sensitive electronics are safely shielded from dirt and humidity, making the generator suitable for operation under adverse climatic conditions.

##### **Low running costs**

Fine-tuning to the resonance frequency of the system ensures maximum efficiency and minimise energy consumption.

##### **Low maintenance costs and long service life**

The generator is equipped with comprehensive self-diagnostic functionality and safeguards, which contribute to reliable long-term operation. Additional pre-warning functions assure an advance notice of malfunctions in the system.

##### **Safe operation**

The fast-acting short-circuit detection is just one of many active and passive design features protecting the operator foremost, and the system.

##### **Intuitive user interface**

The colour touch-screen display for navigation and the rotary control knob work together perfectly for time-saving and intuitive operation.

*Adhesion guaranteed!*

# Generator 9000E

## Technical features

- Remote maintenance access for SOFTAL service.
- Space saving wall mounting.
- Operation menu available in many languages.
- Control of output power in Watt, set-point range limiting selectable.
- Short circuit protection for IGBT power modules and self-diagnostics with visual alarm.
- Operator input time log and fault time log.
- Resonance operation of the generator gives over 95% efficiency in the output stage.
- Control circuits maintains constant output power.
- Rotation monitoring of treater roll with selectable minimum speed for corona start and stop.
- Early detection and alarm of deviation from standard (voltage, current, temperature).
- Temperature monitoring of the power stage (C° or F°) including threshold warning.
- Alarm output (230 V, 500 mA or potential free).

## Options

**Software:** Controlled Corona Power Factor (CCP), Duty Cycle Regulation (DCR), Soft Corona Start (SCS), Skip Corona Treatment (SCT), LookBack.

**Hardware:** Connection for ozone extraction system, audible alarm or signal lamp for fault alert, auto transformer for special mains supply voltages, cooling unit for ambient temperatures exceeding 40 °C, remote control, mounting frame.

## Technical data

<b>Treatment power</b>	5 – 12 kW
<b>Output frequency</b>	15 – 35 kHz
<b>Mains voltage</b>	3 x 380 – 460 V, 50/60 Hz
<b>Protection</b>	IP43
<b>Dimensions (WxHxD)</b>	780 x 600 x 350 mm
<b>Weight</b>	approx. 60 kg
<b>Colour</b>	RAL 7035, light grey, structured
<b>Ambient temperature</b>	max. 40 °C (without optional cooling)
<b>Remote control (optionally)</b>	– LCD display & rotary knob – TFT colour touch-screen – analogue Inputs and Output interface (FS04) – field bus (CANbus, Profibus, ProfiNET, Device Net, Control-Net, Ethernet IP)



Improved dyeing



No more wet chemicals



Low operating cost



Improved adhesion



High wettability



Custom-engineered solutions



SOFTAL Quality



Environmentally friendly process



Uninterrupted operation