

9000 series

Generator up to 4 kW



Universal corona generator for all applications

The SOFTAL 9000 series generator, offering a power range 1 – 4 kW, uses the latest technology together with our corona stations to ensure reliable functionalization of material surfaces for optimum adhesion.

Product features

Service friendly

With decades of practical experience we know what really counts in a daily production routine. Robust, durable component design for maximum reliability.

Low operating costs

Operation at optimal resonance frequency provides maximum efficiency and minimum heat losses.

Optimal process integration

A variety of hardware interfaces and software solutions are available for seamless integration in process and production systems.

Intuitive operation

The separate control panel, allowing flexible positioning on the machine, provides an operator interface with maximum process control using multiple parameters. Alternatively, the operator control panel can be integrated in the generator front panel, or the generator may be controlled using a fieldbus or analogue interface.

Adhesion guaranteed!

Generator 9000 series

Technical features

- Space saving wall mounting.
- Remote operator panel with LCD screen and intuitive handling.
- 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.
- Early detection and alarm of deviation from standard (voltage, current, temperature).
- Rotation monitoring of treater roll with selectable minimum speed for Corona Start/Stop.
- 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: Remote control via field bus or analogue interface, connection for ozone extraction system, audible alarm or signal lamp for fault alert, auto transformer for special mains supply voltages.

Technical data

Corona Power	max. 4 kW
Corona frequency	15 – 35 kHz
Mains voltage	3x 380 – 460 V, 50/60 Hz
Protection	IP43
Dimensions (WxHxD)	600 x 380 x 210 mm
Weight	approx. 35 kg
Colour	RAL 7035, light grey, structured
Ambient temperature	max. 40°C
Remote control (alternatively)	– TFT colour touch-screen – analogue 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



Uninterrupted operation



Custom-engineered solutions