

# 91001

## 37 - 60 kW Generator



### A milestone in corona generator technology

In combination with a SOFTAL corona or plasma station the 91001series generator provides functionalization and optimal adhesion on the surface of your products.

This milestone in generator technology offers a variety of advantages for the daily routine in production, which we know, through long experience, will really count at the end of the day.

### Product features

#### **Modular construction**

with assemblies utilising up to five complete 12 kW inverter modules.

#### **Straightforward service**

The inverter modules are all identical and therefore easily exchangeable without the necessity of a service visit.

#### **Intuitive operation**

The generator has as standard a colour touch screen with intuitive operator guidance. This operator interface provides maximum process control. The generator may also be controlled with analog interface or Fieldbus as options.

#### **Remote maintenance**

A digital interface allows SOFTAL service to connect to the generator and access diagnostic and operation memories. Expensive service visits can be minimised without compromising service quality.

*Adhesion guaranteed!*

# Generator 91001, 37 - 60 kW

## Technical features

- 12 kW inverter modules mounted on cold plates (number dependent on power and application).
- Intuitive operator guidance with colour TFT touch screen, which may be password protected as required.
- Operator menu in various languages.
- Output power control in Watts.
- IGBT power output stage short circuit protected.
- Greater than 95% efficiency of the output stage of the generator through operation at resonant frequency.
- Stable control of the output power using feedback control system.
- Early detection and warning of deviation from standard (voltage, current, temperature).
- Operation and diagnostic memories stored in real time.
- Monitoring of output power module temperature (°C or °F).
- Alarm output (230V, 500mA or potential free).
- Treater roll rotation monitor with selectable minimum corona start/stop speed.

## Optionen

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

**Hardware:** extraction fan connection, audible or visual alarm, autotransformer for special voltages, cabinet cooling system.

## Technical data

<b>Treatment power</b>	max. 60kW
<b>Output frequency</b>	15 - 30 kHz
<b>Mains voltage</b>	3 x 380 - 460V, 50/60 Hz
<b>Protection</b>	IP43
<b>Dimensions (WxHxD)</b>	1200 x 2200 x 600 mm
<b>Weight</b>	approx. 400 - 440 kg (depending on number of modules)
<b>Colour</b>	RAL7035, light grey, textured
<b>Environment temperature</b>	max. 40°C (without optional cooling system)
<b>Optional remote control</b>	- TFT colour touch screen - Analog interface (FS04) - Fieldbus (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