

# Technical Data Sheet Corona Station

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## Corona pretreatment system for improved adhesion properties

When coating has to be applied to materials with a low surface tension, such as plastic, it is advisable to pretreat this material with corona treatment. The recommended surface tension for good adhesion is at least 42 dyne per centimetre. Corona treatment is a high-frequency electrical discharge that, as it were, opens the "hands" of the material. The treatment results in an improvement in the chemical bond between the molecules in the panel to be coated and the hot melt. This improves the adhesion of the hot-melt coating to the material. This surface treatment leaves the strength and appearance of the panel to be coated intact.

### Effectiveness of the treatment

A corona pretreatment is possible on innumerable materials. The effectiveness is dependent on the material to be coated, the required dyne level, the machine speed and the number of sides to be treated. Corona Plus generators from Vetaphone with a power range from 1 to 80 kW are equipped with a unique resonance system that makes them the most efficient generators in the market.

### Quick Change

Maintenance is essential for a long service life of the ceramic electrodes. All Corona systems are supplied as standard with the unique Vetaphone Quick Change for easy offline exchange of the cartridge and maintenance of the electrodes. Thanks to the strict use of high-quality insulators and air extraction, the Corona system is suitable for use in damp rooms.

### Control Panel iCC7

The advanced iCC7 control panel with user-friendly touch-screen controls the settings of the corona generator. The 7" touchscreen has a compact housing and can be easily installed on the main control panel of the overall system. The sensitivity of the touch technology makes it possible to operate the control panel even with gloves.



Corona Station

## OPTIONS

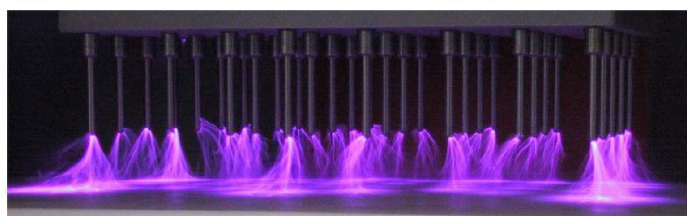
An extensive selection of options is available on all our machines.

For more information, contact us so that we can configure the machine to your requirements.



# SPECIFICATIONS

Technical overview	CS800	CS1600	CS2000	CS2400
Treatment width (mm)	800	1600	2000	2400



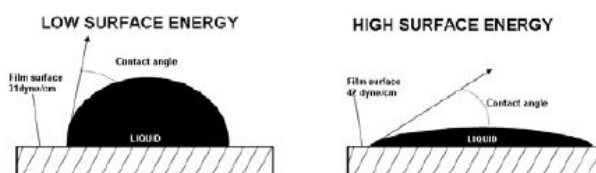
Result of Corona treatment



Control box



Control Panel ICC7



Corona Station operation