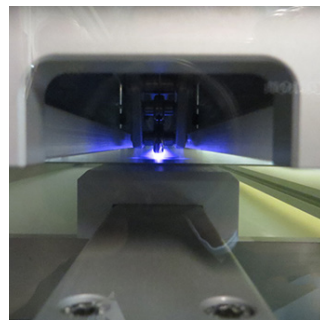


FEATURES:

- Easy to install and use
- Single or dual sided
- Environmentally friendly
- Watt density control
- Customized design
- Process control
- Cost efficient treatment process



SheetTEC

Corona Treatment of Sheets and Plates

The purpose of surface treatment of polymer based materials is to increase surface wettability through electrical discharge. The low surface energy of polymer based substrates often leads to poor adhesion of inks, glues and coatings. To obtain optimum adhesion, it is necessary to increase the surface energy of the substrate to just above that of the material to be applied. Corona treatment results in improved surface adhesion properties.

Treatment of sheets and plates for this application may vary from 50 mm to 2000 mm, which gives the customer treatment flexibility of small and large plates.

SheetTEC can be installed as a stand-alone unit or with a conveyor system for integration into existing production lines. SheetTEC is available as a single or double-sided surface treatment system.

SheetTEC is equipped with metal electrodes for the optimized treatment of non conductive polymer materials. As an option Ceramic electrodes are available to allow treatment of conductive surfaces such as stainless steel, aluminum, and others.

Thanks to the high voltage technology developed by Tantec it is possible to treat sheets over the edges and even sheets where the edges are slightly bent.

The processing speed of the sheets may vary between 0.5 m and 10 Mtr. / Min.

SheetTEC ensures uniform treatment of boards up to 50 mm in thickness.

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Easy to install

The system requires only electrical power.

Single or dual sided

Both single and dual sided treatment systems available.

Environmentally friendly

Corona treatment of sheets and plates is considered an environmentally friendly process which has low operating costs.

Watt density control

In combination with the HV-X series power generator, the system will adjust the generator output power according to the line speed.

Customized design

This treating system can be specifically designed by Tantec, to facilitate easy installation to new or existing production lines.

Process control

In combination with the HV-X series power generator and PLC's the system can be monitored and adjusted very easily.

Cost efficient treatment process

Only electrical power is needed to achieve the effective treatment of foam and board; typically systems run from 1-4 kW depending on width and speed.

Easy to maintain

This unit, as with all Tantec units are very easy to use, maintain, and install

Technical Specifications	SheetTEC Corona Treater
Mains power	3 Ph. 400 VAC or 230 VAC (others on request)
Treatment power	200-4000 Watts
Treatment area	Single or dual sided treatment.
Treatment width	50 - 2000 mm
Line speed	0.5 - 10 m/min (others on request)
Treatable materials	PP, PE, PVC. PVDA, PMMA, PS and other non-conductive polymers / conductive
Treatment thickness	Up to 50 mm
Control and connectivity	Complete with touch panel. (Standard - Proface)
Regulation compliance	CE - RoHS - WEEE