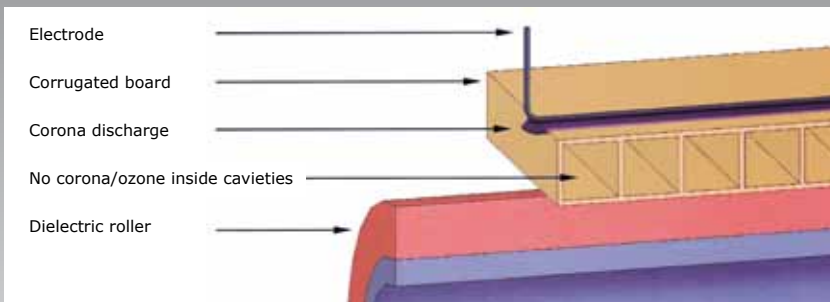
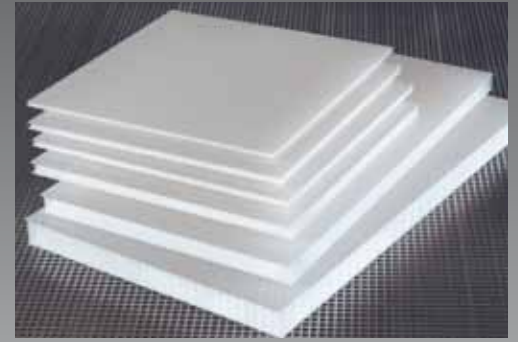


Product Information

FoamTEC - Corona Treatment of Foam & Board



FoamTEC

Corona Treatment of Foam and Board

PP board is made of blended PP co-polymer and has one major disadvantage - low surface energy, resulting in poor surface adhesion for water-based adhesives and inks. Corona treatment systems by Tantec significantly increase surface energy and improve adhesion.

To optimize treatment and minimize waste it is important that the entire board surface is treated. To achieve this result, it is necessary to have the corona discharge around the board's edge. Tantec solves this problem by increasing the thickness of the dielectricum layer, increasing the roller's longevity and allowing corona treatment to the board's edge.

Increasing the insulation thickness will even out the discharge and ensure uniform treatment of boards up to 50 mm in thickness.

The FoamTEC is available for single and dual sided treatment. Adjustable electrode which ensures max. flexibility. Electrode height adjustment with digital read-out.

When treating corrugated board, it is important to limit the treatment inside the cavities to avoid loss of power and creation of ozone. The Foam TEC with thick insulation of counter electrodes limits treatment inside the cavities.

TECHNICAL DATA

Features:

Easy to install and use

Single or dual sided

Easy adjustment of treatment width

Watt density control

Parallel opening

Process control

Cost efficient treatment process

Safe and clean

TechnicalData

Plasma & Corona Treaters

adhesion bonding coating
adhesion bonding coating
adhesion bonding coating

Features:

Easy to install and use

The system requires compressed air and the electrical connection.

Single or dual sided

Both single and dual sided treatment systems available.

Easy adjustment of treatment width

The stainless steel wire electrodes are easily adjusted in treatment width. This requires no change to the electrical power system.

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.

Parallel opening

A parallel sliding device with pneumatic cylinders enables easy access to the treating area for cleaning and maintenance.

Process control

In combination with the HV-X series power generator and PLC units 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.

Safe and clean

The system is equipped with safety switches and interlocks to ensure safe use. The ozone filter system eliminates the ozone generated during the process.

Technical Specifications	FoamTEC Plasma Treater
Mains power	3 Ph. 400 VAC or 230 VAC (others on request)
Treatment power	200-4000 Watts
Compressed air	5-6 bar dry & clean
Treatment area	Single or dual sided treatment. Max. 50 mm thick
Treatment width	10-3000 mm
Line speed	1-30 m/min (others on request)
Treatable materials	PP, PE, PVC, nylon, PC, PVR and others (non-conductive only)
Optional	Driven rollers for part movement
Control and connectivity	Complete with touch panel. (Standard - Proface)
Regulation compliance	CE - RoHs - WEEE

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