RotoTEC-X - In-Line Corona Treater
Corona Treatment of 3-Dimensional Components

Features:
- Non-contact treatment
- Treatment of parts
- Fully guarded treating station
- Touch panel
- Uniform treatment levels
- No need to change electrode height or set-up
- Line speed up to 15 m/min
- Patented design

Tantec RotoTEC-X is used for in-line treatment of injection moulded parts prior to coating, printing, gluing, painting etc. Often the RotoTEC-X is also used simply for optimizing adhesion properties of a given substrate. The RotoTEC-X ensures a very uniform treatment process and offers the user full process control of all parameters.

The RotoTEC-X offers a cost-effective method for optimizing the adhesion properties of printing inks, coatings, glue and paint on any surface made of polymer material including the commonly used polypropylene and polyethylene, as well as medical PS and other non-conductive materials.

This universal system developed by Tantec operates with patented rotating electrode elements resulting in complete and uniform treatment of parts.

These self-contained units can be installed within existing production lines or used as an off-line treating process.

The system includes a high-frequency generator, high-voltage transformer, rotary electrodes, ozone filter and customized stand-alone or bench-top treating station.

Both standard and customized RotoTEC-X stations are available for both single and dual sided treatment.
Technical Data

Non-contact treatment
No need for electrodes to touch the part surface.

Treatment of parts
Various designs available depending upon part geometry.

Fully guarded treating station
Complete unit with all necessary safety precautions observed.

Touch panel
All parameters are displayed on the touch panel and are easily adjusted.

Uniform treatment levels
Rotating electrodes ensure a uniform treatment.

No need to change electrode height or set-up
Flexible design for multiple part treatment - no need to make adjustments.

Line speed up to 15 m/min
Keeps pace with existing production lines.

Patented design
RotoTEC-X electrode design offers optimized uniformity at treatment.

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Technical Specifications | RotoTEC-X Corona treater
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Mains Voltage and Frequency | 230 VAC 50/60 Hz or 3 ph 400 VAC
Plasma power | Max. 400 Vp/max. 2000 Watt
Power supply | HV-X plasma generator series
Line speeds | 0.5 - 15 m/min.
Treatment sizes | Up to 100 mm high and 2000 mm wide
Treatment area | Single or dual sided treatment
Treatable materials | PP, PE, PEEK, ABS, PC, PS and others (non-conductive only)
Transport system | Flat belt conveyor and o-ring belts
Control and connectivity | Complete touch panel. (Standard - Proface)
Regulation compliance | CE - RoHS - WEEE

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