

FEATURES:

- Easy to install and use
- Environmentally friendly
- Customized design
- Process control
- Cost efficient treatment process

OzoneTEC

Surface Treatment with Ozone



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Tantec has developed their OzoneTEC System to treat the inside of products such as surfboards, coolers, ice boxes, jacket pipes, small boats etc. – products that consist of fiberglass on the outside and foam on the inside – also called sandwich construction.

The OzoneTEC produces ozone, which is blown into the shell and is left inside for a while before it is sucked out again. Thereafter the Purethane Foam is injected. It then hardens and adheres to the inside of the shell.

Treatment of roto molded parts

Rotomolded parts are typically hollow thermoset plastics parts. The resin is heated and melted, and by rotating the mold the resin fills the mold cavity creating the part with a hollow inside. Many of these parts require foam insulation for improving thermal properties and rigidity of the parts.

Continuous rotation of the mold during the process ensures uniform thicknesses of the walls. The OzoneTEC plays a key role in helping to activate the inside surface of the part to improve adhesion.

An OzoneTEC-system typically consists of generator, HV-transformer, control box, compressed air-system and a customized frame. OzoneTEC can be installed as an in-line process or as a standalone solution.



Ability

Ability to treat interior of roto molded parts

Surface energy

Higher surface energy levels achieved compared to stock resins

Treating

On demand treating

Flexible

Flexible settings to allow for treatment of various product sizes and dimensions

Footprint

Small footprint

Gases

No exotic treating gases required

Customized design

Can be customized specially developed and adapted 100% to customer wishes and requirements in relation to the production line.

Technical Specifications	OzoneTEC
Generator	HV X10
Transformer type	HT X10
Mains voltage	230 VAC/60 Hz
Power consumption	1000 Watt
Amps	7,4 A
Noise level	Below 70 dBA