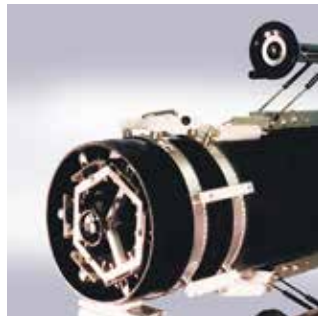


FEATURES:

- High power treatment
- Easy to operate
- Fully integrated into extrusion line
- Flexible design
- No ground reference
- Magnetic holder system
- Pipe dimensions
- Dual polarity

PipeTEC

Corona Treatment of Jacket Pipes



The PipeTEC is designed for treatment of the inside surface of jacket pipes for optimized adhesion of PUR foam which is needed for insulation of the pipe core. The PipeTEC is fully integrated into an extrusion line and ensures a very high level of surface treatment of the entire inside surface.

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 – like PE and PP pipes, lead to poor adhesion properties.

It is commonly known that an untreated inside pipe surface will result in “air pockets” when foaming, which will lead to condensation and eventually result in pipe failure when in use. The Tantec PipeTEC is specially designed for optimizing the adhesion properties of the inside surface of jacket pipes prior to foaming with PUR foam.

Tantec offers two different types of inside electrode systems depending on pipe size and tolerances. The stainless steel profile shaped blade electrodes offer the ultimate treatment of the inside surface, but for larger pipes with large tolerances the stainless steel brush electrodes are a better choice.

Magnetic holding systems for keeping the inside electrode system in place are offered in combination with stainless steel profiled shaped electrodes. For dimensions up to OD 630 mm. Brush electrodes and larger shaped electrodes must be kept in place using a metal wire from the extrusion tool or something similar.

The PipeTEC is normally integrated right before the saw.

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High power treatment

Dedicated electrodes for each single pipe dimension ensures optimum treatment results.

Easy to operate

Just enter the correct electrode dimension.

Fully integrated into extrusion line

Fully integrated into the extrusion line, before the saw.

Flexible design

Same set-up for all pipe dimensions.

No ground reference

The treatment follows even without the need of a grounding of the inside electrode.

Magnetic holder system

Inside electrodes up to OD 630 can be kept in position by a magnetic holder system.

Pipe dimensions

All pipe dimensions from 75-2100 mm available.

Dual polarity

Offers 2 time treatment for optimised results.

Technical Specifications	PipeTEC
Mains voltage and frequency	230 VAC 50/60 Hz
Output voltage/power	2 x 40 kV/max. 2000 Watt
Power supply	HV-X plasma generator series
Line-Speed	0.1 - 10 m/min.
Treatable materials	PE, PP and others
System type	Table top for full integration into extrusion line
Exhaust	Ozone filter system
Regulation compliance	CE - RoHS - WEEE