Product **information**

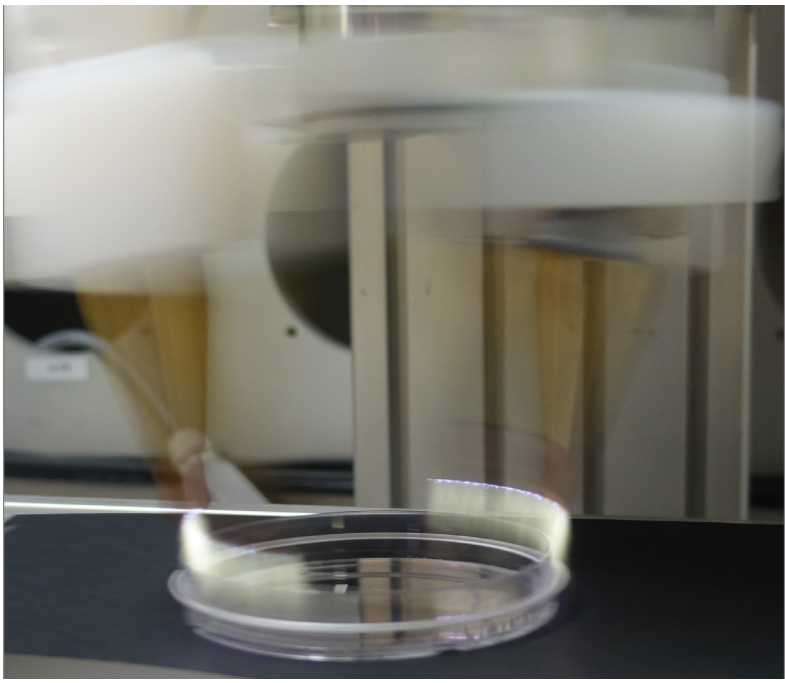
tantec
Plasma & Corona

FEATURES:

- *Easy to install and use*
- *Fast treatment times*
- *Control signals*
- *Automatic discharge air regulation*
- *Standby air flow*
- *Compact and Light weight*
- *Cost efficient surface treatment*
- *Output discharge control*
- *PlasmaREMOTE*

SpinTEC | Atmospheric Plasma treater

Atmospheric Plasma treatment system



Tantec's New SpinTEC Atmospheric Plasma treatment system is built around the concept of a high voltage DC Plasma discharge in atmospheric air. The versatility of this unit allows for use in fully integrated robotic cells, as a standalone unit, or most any production line.

SpinTEC has an AC motor for spinning 2 PlasmaTEC-X nozzles pointing inwards for uniform treatment and to minimize heat impact.

The treatment area can be between 40-150mm. The SpinTEC treatment width will be customized to fit your treating requirements. SpinTEC connects to standard generator PLX and standard PlasmaREMOTE. The system is able to rotate up to 1000 rpm / min., and it's possible to treat up to 10 m/min.

To ensure proper Plasma Discharge from the Discharge Nozzle the compressed air must be within a certain level of pressure and volume, the new AirTEC system, which is built into the PlasmaTEC-X ensures a constant flow to the Discharge Nozzle at all times. With the AirTEC System the Generator automatically adjusts the air flow of the Discharge nozzle regardless of the cable/hose length.

The AirTEC System in conjunction with the universal power input makes the SpinTEC very user friendly. No adjustments are necessary, simply connect to mains power and compressed air and the unit is ready for use.

Tantec's latest feature now being offered is "Stand-By air flow." Through the HMI an operator can set an air flow during stand-by to avoid dust being attracted to the discharge head.

All connections from the SpinTEC Generator to the discharge nozzle is made through a standard plug, making it very easy to connect and use. Thanks to the DC technology and the AirTEC system no adjustments are necessary in case of cable length changes.

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Technical **Data**

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Easy to install and use
The system must be connected to mains power and compressed air, no adjustment of air or power is necessary.

Potential free discharge
Allows treatment of both conductive, non-conductive as well as semi-conductive surfaces.

High speed treatment
High power impact enables treatment times up to 10 m/min., depending on material, treat-ability

Control signals
Process gasses such as oxygen and argon can be used, but in most cases it is not necessary.

Process control
A large number of various signals are available on a digital interface to control and monitor the Plasma discharge at all times.

Automatic discharge air regulation
No matter the length of the power/air cable, the generator will adjust automatically to ensure the correct air pressure and flow.

Compact and Light weight
Compact and light weight makes the SpinTEC easy to integrate in almost any production line or robot cell.

Standby air flow
The air flow is controlled electronically which allows for switching the on/off. A minor flow of air is part of stand-by, to avoid dust being attracted to the discharge nozzle.

Technical Specifications	PlasmaTEC-X Generator	PlasmaREMOTE	SpinTEC
Mains Voltage and Frequency	100-250VAC – 50/60Hz (Universal power Input)	N/A	200-250VAC - 50/60Hz
Output Voltage/Power	550VA	N/A	1000 Watt
Ramp up time	10 ms	N/A	N/A
Shut down time	< 1 ms	N/A	N/A
Control interface	M12 (8 pole)	M12 (4 pole)	M12 (8 pole)
Dimensions (WxLxH)mm	150x470x198	125x169x167	210x299x468
Weight in kg	6,1	2,0	12,5 kg
Treatment width in mm	N/A	N/A	40-150 mm
Compressed air supply	5-6 bar, dry and clean	N/A	N/A
Compressed air connection	OD8mm - Quick connection	N/A	N/A
Air consumption	N/A	N/A	66 ltr/min
Capacity	N/A	N/A	10 m/min.
Regulation compliance	CE - RoHS - WEEE	CE - RoHS - WEEE	CE - RoHS - WEEE

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