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- Single or dual head configuration
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SpotTEC

High-frequency Spot Generator



Tantec SpotTEC is used for treatment of profiles, cables and injection moulded parts. The SpotTEC is easily adapted into any production line and offers the user a high level of flexibility in use. The SpotTEC is based on the principle of high-voltage discharge in atmospheric air blown towards a substrate surface.

The SpotTEC offered by Tantec permits easy pre-treatment of surfaces of three-dimensional moulded or extruded plastic parts, profiles etc. with low investment and running costs.

The SpotTEC is based on the principle of high-voltage discharge in the high-frequency area. A blower presses the discharge which is established between the two electrodes integrated in the discharge head, against the substrate to be treated, thus eliminating the need for a counter electrode.

The SpotTEC can be integrated easily and quickly in new or existing production lines to promote adhesion of glue, inks or coating. The system is available with a single or double electrode head; other versions are available on request. The SpotTEC system provides surface treatment solutions for a variety of plastic products and applications. The SpotTEC complies with the CE requirements and EMC regulation.

Easy to install and use

The system requires no adjustment of treatment parameters. Simply connect to mains and go.

Easy maintenance

Only necessary to exchange the metal electrodes.

Single or dual head configuration

The generator can be equipped with either a single or double treatment head configuration.

Air flow control

During the treatment process the air flow is monitored to ensure proper airflow at all times.

LED's for running conditions

During the entire treatment process the front panel LED's will inform about current generator status.

Treatment flexibility

Designed for treatment of non-conductive surfaces at lower line speeds. (max. 20m/min).

Technical Specifications	SpotTEC Single	SpotTEC Dual	SpotTEC Discharge Head
Mains Voltage and frequency	115 or 230 VAC 50/60 Hz	115 or 230 VAC 50/60 Hz	N/A
Output voltage/power	Voltage: 2 x 6.5 kV Power: 550 Watt	Voltage: 2 x 6.5 kV Power: 1100 Watt	N/A
Output frequency	Approx. 25 kHz	Approx. 25 kHz	N/A
Power consumption	Max. 600 VA	Max. 1100 VA	N/A
Dimensions in mm (LxWxH)	500 x 485 x 195 (incl. connections)	500 x 485 x 195 (incl. connections)	60 x 40 x 160 (excl. connections)
Weight in kg	13 (23 at 115 VAC)	19 (29 at 115 VAC)	1.7 (incl. hose)
Treatment width in mm	N/A	N/A	45-65 mm
Treatment distance in mm	N/A	N/A	5-20 mm
Treatment speed in m/min	N/A	N/A	Max. 20 m/min
Regulation compliance	CE - RoHS - WEEE	CE - RoHS - WEEE	CE - RoHS - WEEE