

glueing bonding coating adhesion
adhesion coating glueing bonding coating

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Power Generator 2000 Tantec's High Frequency Generator

The Power Generator 2000 creates and controls a high frequency, high voltage corona discharge for the surface treatment of 3-dimensional plastic and rubber components, profiles, webs etc.

This process enhances surface wettability for improved adhesion of printing inks, glues and coatings.

The Power Generator 2000 is available in two standard versions:

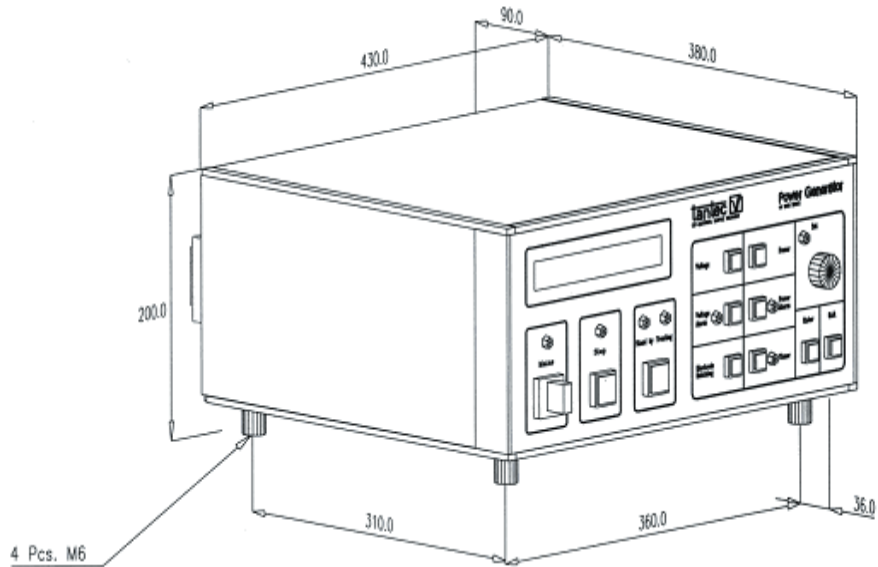
The HV 2002 with 200 Watts, the HV 2010 with 1000 Watts and the HV 2020 with 2000 Watts output power.

The Power Generator 2000 confirms with CE regulations and carries the CE-marking.

Advantages:

- The integral microprocessor offers regulation for constant power or constant voltage. This gives a uniform treatment to components of variation in geometry and electrical conductivity.
- The Power Generator 2000 continuously monitors high voltage discharge from the electrode through it's own integral microprocessor more than 1000 times per second. This ensures optimal treatment and increases the electrode lifetime.
- Information on all control settings and operation conditions is clearly shown on the text display. The advanced settings are entered via the menu-driven display.
- Sophisticated internal timer function, which offers very accurate treatment time.
- Easily controllable e.g. from an external PLC through the control

electrical surface treatment



Specification:

Mains voltage:	110 or 230VAC, 50/60 Hz HV2002 : 200 Watt
Power output:	HV2010 : 1000 Watt HV2020 : 2000 Watt (1500W at 110 VAC) HV3330 : 3000 Watt HV3340 : 4000 Watt
Output frequency:	13-30 kHz
Weight:	HV2002 / HV2010 : 16,5kg HV2020 : 18,5kg
Control features:	Constant power (Watt) or Constant voltage (kV) or Watt density control - Watt meter2/minute (Web treatment) - Watt meter/minute (Cables & pipes) - Watt part/minute (3D parts i.e. disposable syringes)
Control inputs:	Power setting, Voltage setting, Watt density Electrode matching, Intermittent operation Stand by / Treating, Internal / External control

High Voltage Transformer:

- 1000 Watt dry transformer**
 HT10-10 (10kV)
 HT10-13 (13kV)
 HT10-17 (17kV)
 HT10-22 (22kV)
 HT10-28 (28kV)
 HT10-13SP (2x13kV)
- 1000 Watt oil transformer**
 HT10-28 (28kV)
 HT10-34 (34kV)
 HT10-40 (40kV)
- 2000 Watt dry transformer**
 HT20-10 (10kV)
 HT20-10 (10kV)