

# Product Information

## ProfileTEC Plasma Treatment of EPDM Profiles



### ProfileTEC

#### Plasma Treatment of EPDM Profiles

**Two common applications for pre-treatment of automotive EPDM-profiles with plasma are prior to flocking and slip-coating. In the flocking process, treatment is necessary to achieve a strong bond between the rubber and the adhesive used to attach the flock. For slip-coating it is necessary to treat prior to the spray process to achieve good wettability and optimum adhesion properties of the coating.**

ProfileTEC eliminates the need for expensive primers, hazardous chemical treatments or outdated abrasive brushing. The treatment achieved through plasma discharge remains cost-effective without creating a threat to our environment.

ProfileTEC is manufactured to suit individual customer requirements and is designed for treatment of conductive solid rubber, non-conductive sponge or a combination of both types of material.

The free-standing systems are self-contained and offer 360° treatment at line speeds up to 40m/min.

The ProfileTEC is available with single or multiple treatment heads, and includes individual adjustment of each head, for max. operator flexibility.

Both standard and customised units are available with both single or multiple treatment heads. ProfileTEC conforms with CE regulations and carries the CE marking.

### TECHNICAL DATA

#### Features:

Easy to use

Modular plasma

Interface control

Minimum of maintenance

Non-contact treatment

Flexible design

Full integration

Cost efficient

# TechnicalData

Plasma & Corona Treaters

gluing bonding coating  
adhesion adhesion  
coating bonding  
gluing bonding coating

## Features:

### Easy to use

Connect to mains power and compressed air.

### Modular plasma

Available with single or multiple plasma heads to suit any profile.

### Interface control

All treatment parameters are delivered to the central PLC unit.

### Minimum of maintenance

Minimal of cleaning and parts exchange required.

### Non-contact treatment

The plasma heads will not touch the profile resulting in mechanical damage.

### Flexible design

The treatment heads are suitable for various materials eliminating the need to make changes.

### Full integration

The profileTEC is easily installed into existing production lines.

### Cost efficient

Very limited running costs associated with required power and compressed air.

Technical Specifications	ProfileTEC Plasma Treater
Mains voltage and frequency	230 VAC, 50/60 Hz
Output voltage/plasma power	400V/Max. 2000 Watt
Power supply	HV-X plasma generator series
Compressed air supply	5-6 bar, dry and clean
Line-speed	Up to 40 m/min., others on request
Treatable materials	Conductive, non-conductive
System type	Stand-alone or table-top
Electrode positioning	Individual and no tools required
Regulation compliance	CE - RoHs - WEEE

**tantec** 