adhesion glueing

tantec 🗹



RotoTEC

Corona Treatment of 3 Dimensional Components

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 often leads to poor adhesion of inks, glues and coatings. To obtain optimum ad-

RotoTEC offers a cost effective method for optimising the adhesion properties of printing inks, coatings, glue, paint onto a polymer surface including commonly used materials like polypropylene and polyethylene.

This universal system developed by Tantec operates with special rotating electrode elements resulting in complete and uniform treatment of the parts.

These self contained units can be installed within existing production lines or used as an off line process.

The system includes a high frequency generator, high voltage transformers, rotary electrodes, ozone filter/s and customised stand alone or bench top treating station.

RotoTEC conforms with CE regulations and is CE marked. hesion, it is necessary to increase the surface energy of the substrate to just above that of the material to be applied. Surface treatment with Corona results in improved surface adhesion properties.

Advantages:

- Non contact treatment.
- Treatment of parts up to 100mm high and 2m long.
- Fully guarded treating station.
- Zero speed control for automatic start/stop of treatment.
- Uniform treatment levels over the entire surface, due to the rotating electrode principle.

• Can be used for a number of differently shaped components without the need to change electrode height or set up.

• Operates at lines speeds up to 15 mtr/min.

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