



Vetaphone PLASMA

The Plasma is a new surface treatment technology developed by Vetaphone and our partner Tampere University, Finland.

In order to produce long lasting treatment results on speciality films, the new Plasma is a huge benefit for the converting industry. The Plasma system is made by a specially designed electrode unit that controls the output of plasma gasses. The system is powered by a fully automatic generator, easy to operate giving a 100% control of out-put gasses.

The Plasma process is based on an oxygen free atmosphere inside an electrode unit working like a regular corona treatment process. The added gas mixtures and operating conditions creates the atmospheric plasma and thereby applying a gas phase priming the substrates surface.

The major advantage with Plasma is the ability of keeping a high surface energy level for longer time compared with standard corona treatment. Also will customers see a cost saving due not using expensive standard primers.

Compared with standard liquid primers there is no need for a drying component in-line since the Plasma process is not liquid. Therefore any problems with removal and cleaning of solvents it not seen when using an atmospheric Plasma process.

Generally the Plasma concept is suitable for standard converting lines:

- Printing and lacquering with solvent/water based inks and lacquers.
- Extrusion coating and extrusion of very thin materials like BOPP
- Lamination lines
- Metallising