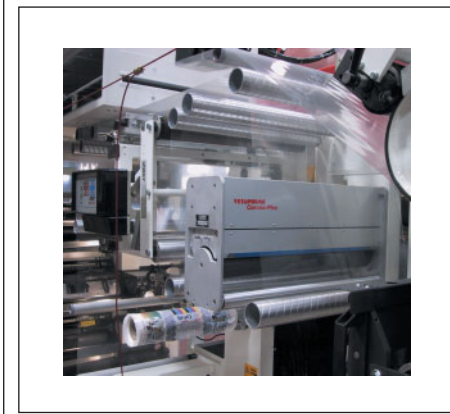


Corona-Plus

LABEL EQUIPMENT



Compact treater system for label press and narrow web applications

Today there are increasing requirements for both decorating and keeping trace of the products in a company, be it raw materials or end products. In this respect self-adhesive labels are the obvious solution. They can be printed quickly, and can be easily applied. However, should the label be made from a plastic substrate (PP, PE) the ink could tend to become blemished due to the inability of it to bond to the plastic. This problem occurs because the surface energy of the plastic is insufficient to permit a proper bond.

Vetaphone can provide the solution to this problem. By using Corona-Plus discharge treatment, the surface energy of the plastic is increased.

Corona-Plus discharge treatment is a process that consists of delivering electrical impulses to the surface of the material, which causes a change in the molecular structure of the surface, enabling bonding to take place between the ink and the plastic substrate. Even water based inks and lacquers can be made to adhere by using this process.

Vetaphone has, especially for narrow web applications and for the label industry, developed a compact corona treating system, which only consists of a small electrode unit and a remote controlled generator with a built-in HP-transformer. The size of both generator and electrode unit has been kept to a minimum, allowing the electrode unit to be mounted directly in-line on narrow web presses.

The system is easy to install as only a few cables and an ozone extraction hose have to be connected. An important feature of the Corona-Plus generator is its user-friendly design, making it very intuitive to operate, as well as the film thread-up is made very easy as the film is simply slid onto the roll by inserting it in from the open end of the station.

Various systems can be supplied, depending on application.



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