

IN AIR CORONA

In Air Corona allows the treatment of **non-conductive** materials: three-dimensional plastic objects or small areas of two-dimensional plastic surfaces and also **conductive materials**: parts or metallic components. The corona discharge enhances the surface tension improving the adhesion of inks, glues and coatings.

CHARACTERISTICS

The system is composed of a high-frequency and high-tension digital generator with integrated transformer and one or two discharge heads.

The LCD multilingual control panel, available in a remote box or integrated in the generator, assures clear and simple operability and selection of the available **functions**:

- stop / start control
- set power, output power and working frequency display
- discharge regulation through air flow variation
- current overload limitation
- alarms and diagnostics (short circuit, over temperature).

The corona head, that directs the discharge toward the substrate to be treated by means of **air flow**, has a treatment width of **40 mm**. Depending on the surface area to be treated, it is possible to use more heads.



APPLICATIONS

Printing: Ink-jet and Pad-printing lines for a better printing quality.

Coding and marking lines: to improve code readability and to guarantee a long lasting bond.

Label lines: for a better adhesion of labels on 3-D objects.

TREATMENT FOR INK JET PRINTING

Ink-Jet printing allows the customisation and coding any type of moving packaging material or item, directly on the production line.

In Air Corona is the ideal system for improving the bonding of inks on plastic surfaces. You can obtain great improvements in case of use of **UV inks**.

In the photo: In Air Corona head positioned in line, just before the Ink-Jet printing head.



This is just one of the many applications of In Air Corona treatment

CONTACTS

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