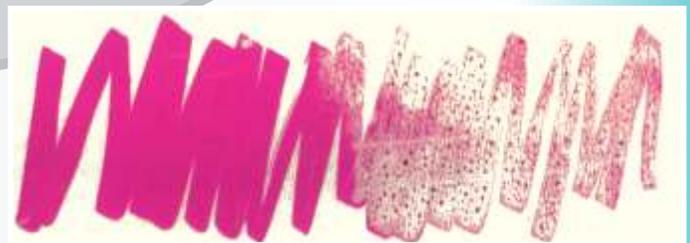


eltech



Atmospheric Plasma Treatment



→ ATMOSPHERIC PLASMA TREATMENT

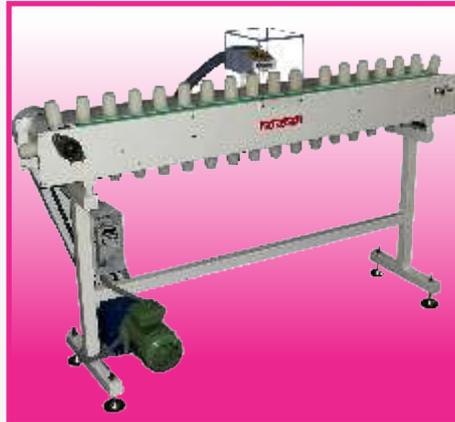
eltech's 3D corona system is perfect solution to adhesion problems on injection, blow moulded or extruded parts of PE, PP, PET, nylon, vinyl, polystyrene, polycarbonate, PVC, fluorocarbons and all other types of thermoformed and thermoset plastics.

It can be used in a very flexible way, since a counter electrode is not needed. The discharge is ignited between a pair of electrodes inside the treatment tool and gets directed towards the substrate with a minor laminar air flow. This 3D treatment also eliminates grease, oils and other contaminants if any, which are most common adhesion retardants.

3D surface-treating systems improve the bonding of inks, adhesives and coatings, allowing you to treat multiple surfaces and difficult configurations with remarkably consistent and convenient one-pass coverage

3D Corona treatment system readily solve surface adhesion problems for a wide variety of products and applications :

- ☑ Caps and closures
- ☑ Painting and decorating
- ☑ Cups and containers
- ☑ Consumer products
- ☑ Extruded pipe, tubing, profiles
- ☑ Medical and health care products
- ☑ Electrical/electronic components
- ☑ Direct printing
- ☑ Hot stamping
- ☑ Pad printing
- ☑ Adhesive coating
- ☑ Adhesive bonding
- ☑ Wire and cable
- ☑ Laminating



→ PRINTING

Surface treating parts prior to printing enhances ink adhesion. It makes printing easier, and for others it makes printing possible.

→ PAINTING

Injection molded or thermoformed parts are often treated prior to painting. Surface treatment allows the paint to adhere and also increases the life and durability of the paint on the object's surface.

→ COATING

Products are coated to protect their surfaces from harsh environments or as decoration. Doors, frames, and extrusions/profiles are often coated. The medical industry uses surface treating to improve adhesion of antimicrobial/antibiotic coatings.

→ BONDING

Bonding is primarily used to increase the strength of an adhesive. The medical and automotive industries rely on surface treating to remove contaminants such as dust, grease, oils, or mold to improve bonding. Typical cleaning solvents such as methyl ethyl ketone (MEK), trichloroethylene, toluene, or acetone may be used for this purpose, but cleaning agents that leave a film residue upon evaporation will retard bonding.

→ LABELING

Surface treating caps, bottles and lids ensure that labels will not peel off before complete destruction of the label occurs. Air, flame and chemical plasma treatment of materials like HMWHDPE can effectively improve adhesion of labels.



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Manufacturers of : Induction Cap Sealing Machine , Corona Treater, Static Eliminator,Static Charger and Ozone Generator