

As one of the flagship technologies in our solution line-up, **CORONA discharge treatment** relies on a tried, tested and proven technique. Using the corona effect, an electrical phenomenon well known to physicists, we **considerably increase the wettability and adhesion coefficients** necessary for good surface bonding, **regardless of the composition and shape of your plastic substrates.**

This reproducible, robust and cost-effective, process perfectly fits the requirements of industrial applications in all branches. And energy consumption remains **stable and under control regardless of whether the process is integrated into production line operations or installed on independent mobile units.**

From design to integration: practical and custom-built

We can not only recommend the most appropriate technology for you, but **we also carefully determine how it can best be integrated into your manufacturing processes.** To **design a complete custom solution**, we conduct a **preliminary study** that factors in your facility, company strategy, industry sector, number of parts to treat and technical and cost requirements, etc. We then perform **lab tests, undertake an on-site pilot production test phase** and lastly we take care of the final **integration step.**

BENEFITS

- **Efficiency:** reproducible surface treatment ("repeatable" process)
- **Quality:** unchanged substrate appearance
- **Cost savings:** energy consumption stable and under control
- **Reliability:** robust technology requiring limited maintenance
- **User friendly:** easy to use and install
- **Environmentally friendly:** clean, solvent-free technology
- **Industrialisation:** integration in-line or on independent mobile units

ALL SHAPES OF PARTS, BOTH SIMPLE AND COMPLEX

- Film, labels, paper, etc.
- Flexible sheets such as foam
- Thick or stiff materials, solid or honeycomb
- Formed parts
- Wires and cables
- Profiles
- Conductive materials

ANY INDUSTRY SECTOR

- Automotive / Aeronautical
- Ship building / Armament
- Electronics / Electricity
- Medical / Pharmaceutical / Cosmetics
- Packing / Packaging
- Construction / Building / Decoration
- Home appliances

AN ARRAY OF MATERIALS AND SUBSTRATES

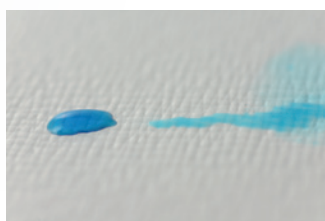
- Polypropylene, polyethylene and all types of thermoplastic or thermosetting polymers
- Elastomers and rubber
- Composite materials
- Metals and carbon
- Glass

Several types of treatment

This surface treatment process is a preliminary phase **that is particularly effective for pad printing, screen printing and digital printing, as well as for gluing, painting, coating, foaming, etc.** There are several methods available depending on your particular requirements, applications and the specifications of your process.

DIRECT CORONA SYSTEM

- **Use:** paper, film, sheets or parts up to 6mm thick.
- **Applications:** printing or lamination on advertising bags, packaging film, labels, single- or double-sided adhesive foam, electric wires, syringes, tubes, etc.



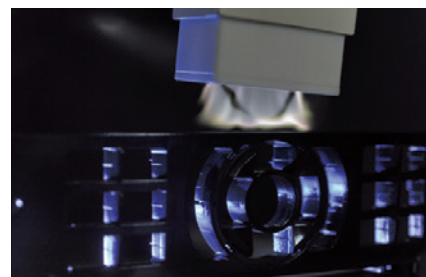
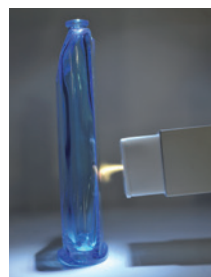
CERAMIC CORONA SYSTEM

- **Use:** any **carbon or metal substrate** regardless of its degree of conductivity.
- **Applications:** carbon profiles for the automotive industry, golden or metallic cosmetic parts, epoxy coated metallic panels, etc.



BLOWN ARC CORONA SYSTEM

- **Use:** flat or hollow surfaces, raised simple or complex parts, profiles.
- **Applications:** seal gluing, inkjet marking, sealing, hot-transfer printing, home appliances, automotive parts, connectors, packaging, eyewear, toys, etc.



Innovation

EFFLUVAGE INDIRECT® (INDIRECT DISCHARGE) CORONA SYSTEM

Use: flat or slightly raised surfaces **with no restrictions in terms of thickness or width.**

Applications: parts and connectors for the automotive and aeronautical industries, profiles, foam, home appliances, medical, pharmaceutical and cosmetic parts, polypropylene panels for cleanrooms and industrial buildings, honeycomb panels and PP and PVC door panels, advertising items, etc.



We can offer to use test ink to check surface tension. Please don't hesitate to contact us.



Complete solutions for improving adhesion to plastic, rubber or composite materials