

# Adhesion Guaranteed!

## Solutions for Guaranteed Adhesion

Based in Hamburg, Germany, SOFTAL is a manufacturer of systems for corona and plasma-based treatment of paper, plastic, metal, fabric and many other materials. More than 60 years of market experience have made SOFTAL a key player in the industry. Our systems are the benchmark and industry standard.

SOFTAL offers complete solutions. We are more than just a machine supplier, we are your partner.

SOFTAL is represented in the USA, Canada and Mexico by 3DT LLC of Germantown, Wisconsin; providing German engineering with U.S. sales, service and support.



*SOFTAL supplies system solutions from a few inches to a full 30+ feet.*

Corona and Plasma



### Corona for BOPP, BOPET, BOPA Extrusion

For extrusion lines up to 11 meters wide and speeds up to 900 m/min.

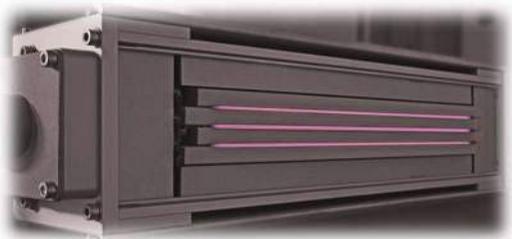
Individual Corona Generator power: up to 144 kW.

Corona Station with single or multiple electrode assemblies as required by the application.

More than 250 SOFTAL systems are installed on orientation lines worldwide

### Corona for Extrusion, Converting and Narrow Web

Typical for SOFTAL products are the details that ensure uninterrupted operation and maximum up-time in everyday production. Decades of experience and progress contribute to every step in the design of our products.



### LinearPlasma

LinearPlasma generates a plasma discharge within the electrode housing and blows the plasma onto the material. Materials with any thickness may be treated.

Modern high-tech materials, such as silicon wafers and plastic films used in the production of printed electronics, are sensitive to electric discharge. Strong electrical fields can damage or even destroy these state-of-the-art materials. With a potential-free discharge, Linear Plasma eliminates this problem altogether.



### **ALDYNE™ Atmospheric Plasma Treatment**

ALDYNE™ by SOFTAL allows the user to specify the exact composition of the gas atmosphere to generate a process gas mixture for direct injection into the plasma. The composition of the process gas may be adjusted until the process gas atmosphere and plasma discharge deliver the surface treatment effect required.

### **SORBAL™ Ozone Destruct**

In order to decrease ozone contamination of environmental air and comply with local health and safety regulations, the exhaust from a corona treater can be channeled directly into an ozone converter. The SORBAL II unit is a stand-alone high-performance filter specially designed for this purpose.



### **Surface Tension Test Inks & Pens**

Ease of use, reliability and competitive pricing make our dyne pen the best-selling corona test pen in the world!

Test inks by SOFTAL let you measure the surface energy of test inks quickly and repeatably in accordance with ASTM D2578-63.



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### **Product Summary**

#### **Corona Treatment**

- After more than 60 years, corona remains the preferred surface treatment method

#### **Linear Plasma Treatment**

- Treatment of sensitive optical films
- Treatment of thick materials where corona treatment is not feasible
- No edge damage in foam treatment
- Treatment of electrically sensitive materials

#### **ALDYNE™ Atmospheric Plasma Treatment**

- Substitute for wet chemical primer and top coating in converting processes
- Creates new functional groups on polymer surface

#### **SORBAL™ Ozone Destruct**

- Removes ozone from corona exhaust for environmental protection

#### **Surface Tension Test Inks & Pens**

- Surface energy treatment indication with test pens
- Safety standards in accordance to ASTM D2578-63

**SOFTAL Corona & Plasma GmbH is represented in the USA, Canada and Mexico by 3DT LLC.**

**For more information and to discuss your application please contact:**

#### **3DT LLC**

N114 W18850 Clinton Drive  
Germantown, WI 53022  
USA

Tel: 1-262-253-6700

Email: [sales@3DTLLC.com](mailto:sales@3DTLLC.com)

Website: [www.3dtllc.com](http://www.3dtllc.com)