

Surface Treatment Systems

Corona treaters

Plasma treaters

Flame treaters

Silicoating

for

Automotive

Packaging

Printing

Glass

Coating

Glueing

Extrusion

Laminating

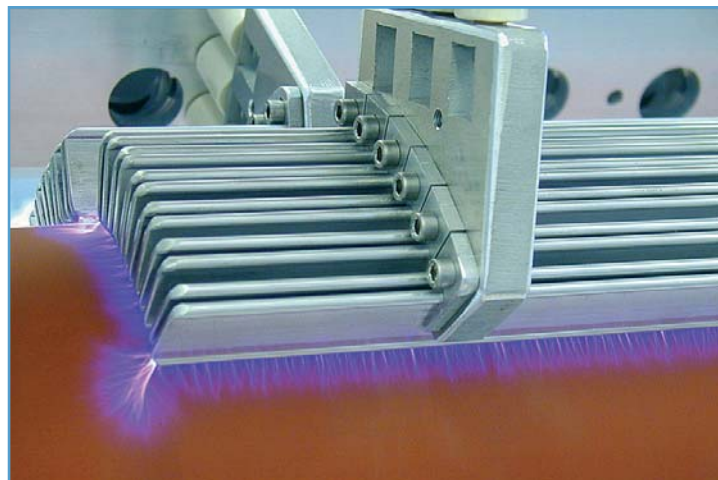
Medical / Pharmaceutical

HF-CORONA WITH COUNTER ELECTRODE

for films and sheets or freely radiating for 3D-parts.

PRINCIPLE

The surfaces are under corona discharge and their surface tension is raised for proper bonding of printing inks, paints, adhesives, sealants.



ARCOJET®

Original-Arcojet, since 1977

PRINCIPLE

Freely discharging electrodes. The generator produces a high voltage plasma that is carried out from the electrode onto the surfaces by a gas jet, mainly air.

ARCOSPOT®

The unit is mainly used for the in-line-treatment of 3D-parts, profiles, grooves at a speed above 10m/min.

PRINCIPLE

Freely discharging electrode – no counter electrode required. The high voltage discharge from inside of the electrode is driven outside onto the surfaces by an air stream. The activation of polymer surfaces improves the adhesion of printing inks, paints, adhesives and cleans metal surfaces.



FLAME TREATERS

For film, foil and 3D-parts at high speed, high efficiency, little decay, no ozone, no rear side treatment.

PRINCIPLE

High speed treatment possible above 10m/min, back-up cooling required with polymer films.

Similar to corona the flame produces polar groups at the surface for best adhesion of printing inks, paints, glues.



BURNERS

- length up to 12m
- special design for 3D-parts
- designed for deburring



SILICOATING

goes together with the flame for activating polymers and protecting the surface energy for a longer time. Mainly applied for metals, glass and polymers as well.

PRINCIPLE

The gas flame is supported with a silane precursor that produces an active layer of silicate on surfaces. Improval bonding in particular for humidity resistant coatings.



Corona/Plasma and Flame treaters to activate polymer surfaces for printing, painting, glueing, coating, foaming, raising wetability of film and 3D-parts and cleansing of metal surfaces as well.



ARCOTEC GmbH
Rotweg 24
D-71297 Mönshheim
Tel +49 (0) 70 44/92 12 -0
Fax +49 (0) 7044/92 12 12
www.arcotec.com
info@arcotec.com



ARCOTEC GmbH
Rotweg 24
D-71297 Mönshheim
Tel +49 (0) 70 44/92 12 -0
Fax +49 (0) 7044/92 12 12
www.arcotec.com
info@arcotec.com



ARCOTREAT Corp USA
203 North LaSalle Street
Suite 2100
Chicago, IL 60601
Tel 312-264-2740
Fax 312-264-2741
www.arcotreat.com
info@arcotreat.com