Why you should choose AFS

- AFS is a preferred supplier to many well-known machine manufacturers
- AFS systems are built for a smooth continuous operation
- AFS uses only the finest materials in all system from selected sub-suppliers
- AFS high-voltage generators are the recognized industry standard
- AFS offers a full two-year warranty
- AFS is a preferred partner of end-users and OEM customers in all application areas

Printing, Lamination and Coating
PACKAGING TODAY IS A VERY COMPLEX COMPOSITE OF DIFFERENT MATERIALS. THEY CAN BE LAMINATED, METALLISED, PRINTED AND COATED. THE REQUIREMENTS OF THE CUSTOMERS FOR THESE PACKAGES AND THE MATERIALS ARE EXTREMELY HIGH.

THEY ARE DESIGNED TO PROVIDE DURABILITY AND DIFFERENT BARRIER PROPERTIES AND OF COURSE STABLE ATTRACTIVE COLOURS. THE TREND TO REDUCE THE LEVEL OF SOLVENTS IN ADHESIVES AND PAINTS HAS TO ALSO BE TAKEN INTO ACCOUNT. ALL THIS PLACES HIGH DEMANDS ON THE PRODUCTION PROCESS.

AFS INVESTMENTS ARE A KEY PART OF THIS PROCESS PROVIDING ADHESION TO PLASTIC, PAPER OR METAL SURFACES AS PART OF THE PACKAGING INTEGRITY SO THAT THE CONTENTS STAY FRESH.

THE REQUIRED SURFACE TENSION FOR PRINTING, LAMINATION AND COATING WILL REDUCE FROM THE LEVEL REACHED BY CORONA TREATMENT DURING THE EXTRUSION PROCESS OVER A PERIOD OF TIME IN TRANSPORTATION OR STORAGE.

This effect, caused by for example, waxes and lubricants in the material requires that prior to the subsequent process Corona treatment is again necessary. By this so-called refreshment the surface tension of a substrate is increased, or the surface energy level reached in the first treatment is restored, so improving the wettability and the adhesion to the substrate surface.

AFS OFFERS A VARIETY OF SYSTEM CONFIGURATIONS, WHICH CAN BE BASED ON THE PARTICULAR APPLICATION, AS STANDARD OR AS A CUSTOMISED SYSTEM EASILY INTEGRATED INTO EXISTING AND NEW PRODUCTION LINES. END USERS AS WELL AS OEM CUSTOMERS BENEFIT PERMANENTLY FROM THE GREAT FLEXIBILITY, KNOW-HOW AND THE INNOVATIONS OF AFS AND ENJOY TECHNICAL PERFECTION WITH SIMPLE OPERATION.

AFS IS RELIABLE. ALWAYS.

APPLICATION DETAILS

| Working Width | 800 – 4000 mm |
| Electrodes | Single-sided or Double-sided |
| Treater Rollers | depending on plant type |
| Working Line Speed | maximally up to 1000 m/min |
| Generators | 1 – 96 kW, higher output on request |

TECHNICAL HIGHLIGHTS

- The best Electrode mounting on the market (AFS Patent)
- External Spray Gap adjustment
- Customer design-specific Corona Stations
- Robust, reliable and compact design for extremely easy cleaning and maintenance
- High efficiency of the corona generators benefits the user in capital and operating cost

SYSTEM CONFIGURATION EXAMPLES FOR THE AVE-250E

| Configuration A | 9-finger Segmented Electrode or 2 x 9-finger Segmented Electrode coated with silicon or ceramic |
| Configuration B | 6 High Output Electrodes in Stainless Steel coated with silicon or ceramic |
| Configuration C | Coated with corrosion protection or ceramic (only with silicon) or bare aluminium |
| Configuration D | 9-finger Segmented Electrode coated with silicon or ceramic |