



iONstream Fusion in EX Zone 1

Gravure Printing Korea

Width: 1220 mm
Speed: 200m/min
Mach.: TPS
Material: PE

iONstream FUSION

OFF = > 15 kV

ON = < 100 V

**Perfect
neutralizing**



Customer Overview

Dongwon Industries Korea

- Leading company in Korea with 10 billion Euro revenue per year and several locations through out Asia
- Application for this site: Flexible gravure packaging printing
- iSF installation on 11 printing stations



◆ System Key Features

- High voltage generators encapsulated inside bar profile
- Intelligent via onboard Micro-controller
- 24V DC supply voltage; no HV cables!
- Stand alone and network capability
- WLAN & Bluetooth communication
- Local multi function status LED

AUTO^{DC} Technology

- Automatic correction towards needed polarity
- Sensing charge value and polarity
- 100% discharging, no "zebra" – residual charge
- Detect and protocol residual charge



General System Description



iONstream Fusion is a microcontroller driven static neutralizing system with an integrated onboard high voltage generator. The heart of the neutralizing technology is the patented 'Auto DC' operation mode. The system automatically adapts the correct discharging polarity and

neutralizes the charged substrate in a most possible perfect efficient way. When working in potentially explosive and hazardous areas, the product line is certified with ATEX approval for zone 1/21, which is the highest safety level for discharging electrodes.

iONstream Fusion can be controlled and monitored by **iONpilot** Industrial APP, which enables a direct access to the data parameters of the discharging and cleaning process via touch-panel.

