

Static neutralizing of plastic booth parts



**Perfect
neutralizing**

**Efficient dust
removal**

ATEX certified



GGM Romania is manufacturing plastic booth parts for electrostatic powder coating and started its production in 2013. The plastic raw material needs to fulfill highest quality expectations by the international customers from various industrial segments.

Initially, the plastic panels were strongly electrostatically charged and therefore it caused damage of the electrical components built-in

the automatic manufacturing machines. To solve this problem, the iONstream Fusion system is used for neutralizing the plastic panels before further production steps.

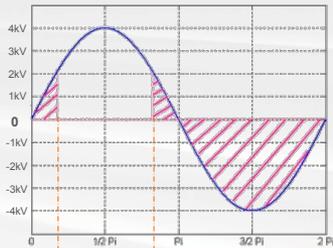
iONstream Fusion is a microcontroller driven static neutralizing system with an integrated onboard high voltage generator. The heart of the neutralizing technology is the patented 'Auto DC' operation mode. The system

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.

Patented Technology

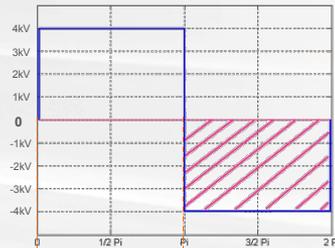
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AC Technology 50/60Hz



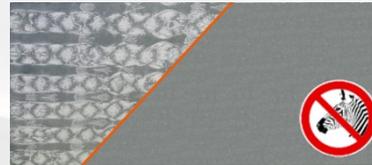
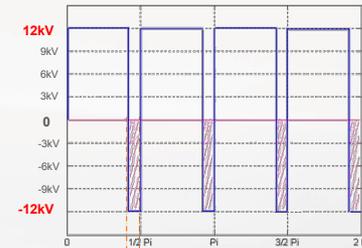
Active 35%
Dead time 65%

PULSE^{DC} 20Hz



Active 50%
Dead time 50%

AUTO^{DC} Technology



750m/min. → 162mm
1500m/min. → 324mm
0,026sec.

312mm
624mm
0,05 sec.

< 0,5mm
< 1mm

@ 95/5
towards needed polarity