



Fire and Explosion Protection of MDF Productions

The MDF panels are produced in large quantities on continuous production lines, running at high speeds. However, the production processes, such as the processing of the wood into chips as well as the drying, glueing and pressing of the combustible material to panels, hold various risks of fire. Sparks, glowing embers or particles, generated in different plant areas, can easily cause serious fire and explosions. A GreCon spark detection and extinguishment system significantly increases the safety and protection of the production facilities. It detects dangerous ignition sources in time and automatically extinguishes them without interrupting production – and has done so successfully for more than 35 years.

THE RIGHT SOLUTION

- ✓ a fast, reliable spark extinguishing system which is especially adapted to your production
- ✓ the detection of sparks and glowing particles in the areas at risk
- ✓ protection without interrupting production

RISKS

The main dangerous spots are in the area of dryers and machine tools, such as saws and sanders. Defective machine parts and overheating of the material can generate ignition sources. Sparks or glowing particles can be created and reach, via extraction and conveying facilities, filters, silos or bins where they can cause fire and dust explosions.

DANGER ZONES

Fire or explosions in MDF productions can damage or even destroy the facilities . A GreCon spark detection and extinguishment system monitors and protects the following areas at risk

- ✓ Dryer
- ✓ Dryer cyclone
- ✓ Separator
- ✓ Dosing bin
- ✓ Forming station
- ✓ Press
- ✓ Cut-off saw
- ✓ Sander
- ✓ Extraction system
- ✓ Filter
- ✓ Silo

DIAGRAM OF PROTECTION CONCEPT

