



Fire and Explosion Protection for the Furniture Industry

The production of furniture often requires very complex processes. Wooden and other combustible materials are worked in different ways by numerous fast-running machines. Therefore, furniture production holds a high risk 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

Any cutting treatment generates potentially combustible and explosive chips and dust that are concentrated by the extraction systems. Foreign bodies and defective machine parts can be the cause of ignition sources. Sparks or glowing particles can be created and reach, via extraction and conveying facilities, filters, silos or bins where they can meet explosive wood dust concentrations and quickly cause fire and dust explosions.

DANGER ZONES

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

- ✓ Saw
- ✓ Press
- ✓ Cyclone
- ✓ Mortiser
- ✓ Conveying facilities
- ✓ Filter
- ✓ Sander
- ✓ Extraction system
- ✓ Silo

DIAGRAM OF PROTECTION CONCEPT

