



Fire and Explosion Protection for the Textile Industry

The textile industry produces various products out of different natural and artificial fibres. It does not only belong to the oldest, but also to the most important branches of industry. However, the production of cloth holds many risks of fire. Sparks, glowing embers or overheated particles can be generated along the entire production chain and easily cause fire and dust 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

Overheating, mechanical damages or foreign bodies can be the cause of sparks and glowing embers. If sparks are generated within a machine, they can cause great damage by fire on the spot. Most of the machines being linked with each other by extraction systems, there is a high risk that fire spreads out into other production areas. At the beginning of the spinning process, cotton is processed in the blow room where sparks may occur in all sections.

DANGER ZONES

Fire or explosions in the textile industry can damage or even destroy the facilities, and even the damage to raw materials can amount to several hundred EURO. A GreCon spark detection and extinguishment system monitors and protects the following areas at risk:

- ✓ Mixer
- ✓ Store
- ✓ Blender
- ✓ Rotary filter
- ✓ Drum
- ✓ Bale opener
- ✓ Cleaner
- ✓ Bag filter
- ✓ Separator
- ✓ Press
- ✓ Disintegrator
- ✓ Blow room & carding

DIAGRAM OF PROTECTION CONCEPT

