



## Fire and Explosion Protection in the Paper Industry

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Paper and cardboard have always been essential as information carrier and packing material. Being produced from wood and pulp, the products can be used for various applications and easily recycled. Above all, the processing of the paper after removal from the paper machine holds various risks of fire. Sparks and glowing embers, generated by machine processing, can easily ignite the dry and inflammable

paper and 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

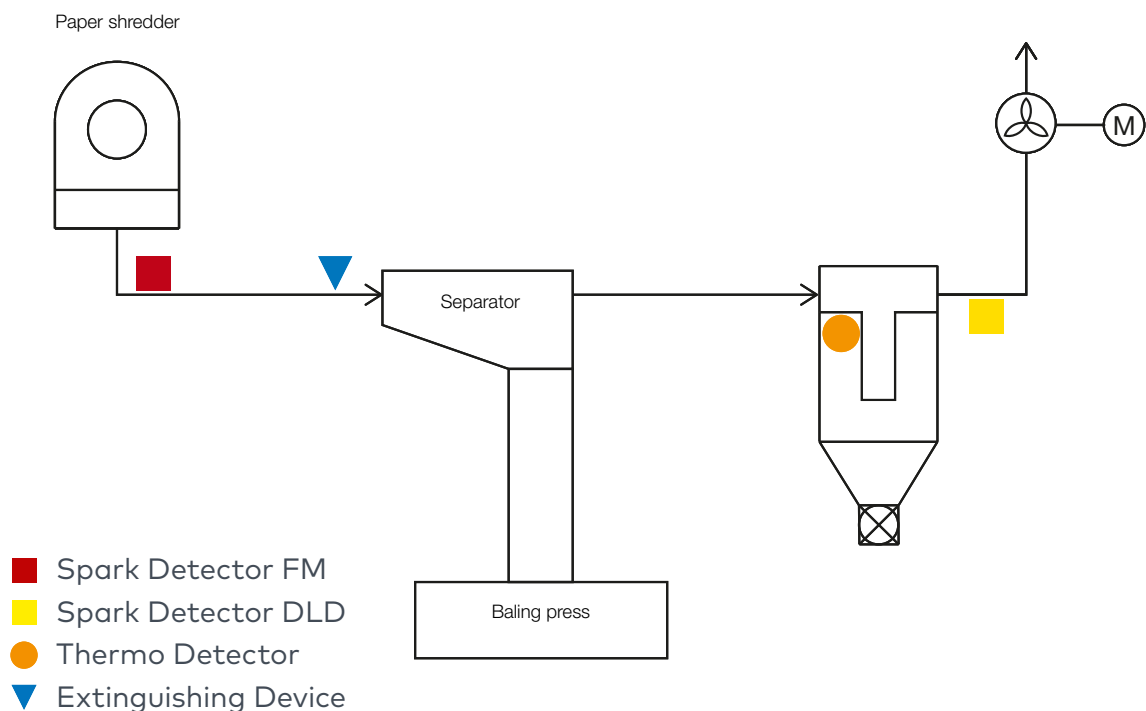
When combustible material is existent in dustlike condition, a minor cause is often sufficient for an ignition. When mechanically processing raw paper (trimming, cutting, punching etc.), sparks or glowing embers can be caused that can reach cyclones, filters or baling presses through mechanical or pneumatic conveying facilities and cause fire or dust explosions there.

## DANGER ZONES

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

- ✓ Hardening shop
- ✓ Foundry
- ✓ Core removal
- ✓ Welding line
- ✓ Milling machine
- ✓ Filter
- ✓ Oil mist separator

## DIAGRAM OF PROTECTION CONCEPT



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