

Consequences of fire and explosions

A fire or an explosion can have serious consequences for your company:

- Injury and loss of human life
- Damage to machines, transport facilities and storage space
- Production interruptions
- Loss of income
- Repair / Replacement costs due to damaged machines

The right solution for your tobacco production



To protect your production, your staff and your machines against fire and explosions, GreCon offers you...

- 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
 - redrying/hot-air tubular dryer => water extinguishment
 - extraction => fire trap
 - transport ducts => diversion gate
 - hot zones
 - areas with high material throughput
 - areas with daylight ingress
 - areas with sticky materials

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GreCon

Fire and Explosion
Protection in the
Tobacco Industry

GreCon

Fire
Protection

GreCon

Measuring
Technology

GreCon

Service



Fire and explosion protection in the tobacco industry

With cigarettes, cigars, cigarillos, pipe and rolling tobacco, the range of products produced by the tobacco industry is widely spread. However, the production of these stimulants holds many risks of fire. **Sparks, glowing embers or particles can be generated by any production step and light the easily inflammable material.**

A GreCon spark detection and extinguishment system significantly increases the safety and protection of the production facilities. It detects sparks in time and automatically extinguishes them – and has done so successfully for more than 35 years.

Risks in tobacco processing

When processing tobacco, easily inflammable dust is generated which puts the entire production plant at a high risk of fire and explosion. **Both overheating, caused by frictional heat, and sparks, caused by impurities, such as sand and stones, can trigger an ignition of the dust and lead to severe damage.** The individual drying processes hold a risk of further ignition sources.

Danger zones in tobacco processing

Fire or explosions in tobacco production can damage or even destroy the facilities.

A GreCon spark detection and extinguishment system monitors and protects the following areas at risk:

- Dryer
- Vibrating conveyor
- Cooling conveyor
- Extraction system
- Separator cyclone
- Filter



Diagram of protection concept for the tobacco industry

