

## 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 metal production



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

- a fast, reliable spark extinguishing system which is especially adapted to your production
- the detection and indication of sparks and glowing particles in the areas at risk
- an early extinguishment with suitable extinguishing media
- the possibility to activate extinguishment manually at any time
- recording of events down to the millisecond to help identify the cause of a problem

**Fagus-GreCon**  
**Greten GmbH & Co. KG**

P.O. Box 1243  
D-31042 Alfeld-Hanover

Phone +49(0)5181-79-0  
Fax +49(0)5181-79-229  
E-Mail [sales@grecon.com](mailto:sales@grecon.com)

[www.grecon.com](http://www.grecon.com)

# GreCon

Fire and Explosion  
Protection in the  
Metal Industry

**GreCon**

Fire  
Protection

**GreCon**

Measuring  
Technology

**GreCon**

Service



## Fire and explosion protection in the metal industry

In the metal industry, high temperatures and spark flight are inevitable. During production and processing, overheated parts and smouldering fire can occur which can cause fire or explosions.

A special 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 the metal industry

When processing metal, there is a risk of fire in the extraction systems and filters. The metal dust that deposits there can ignite by exothermic reactions. This is a challenge that requires special spark extinguishing systems. However, sparks or overheated parts can also be caused in other plant areas by high temperatures, defective machines or foreign bodies.

## Danger zones in metal productions

Fire in metal productions can damage or even destroy the facilities.

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

- Foundry
- Drum
- Press
- Polishing
- Filter
- Welding
- Hardening shop
- Core removal
- Sand recycling



Diagram of protection concept for the metal industry

