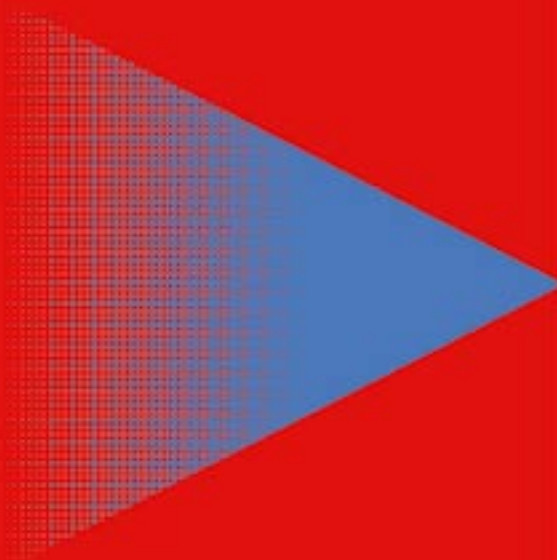

**Spark Detection and Extinguishment Systems
Offer Safety for Your Production**



GreCon®

Spark detection and extinguishment systems detect sparks and automatically extinguish them - thus reducing the risk of dust fires and explosions.

GreCon spark extinguishing systems are safety devices for ventilation systems in the wood working industry, in particleboard and fibreboard plants, and in all production facilities in which organic dust or chips are processed.

Overheating and mechanical damage are causes of hazardous sparks and glowing embers being transported through the dust extraction system. This places certain areas of the plant, such as filters or silos, in danger. It often may result in fires or even dust explosions.

GreCon spark detection and extinguishment systems are preventive fire protection measures. They are installed in pneumatic or mechanical conveying systems. They detect the ignition sources in the extraction ducts and automatically extinguish them within milliseconds, thus greatly reducing the risk of fires in downstream plant areas.

Thanks to the fast reaction time of the system, only a relatively small distance between spark detector and extinguishing device is required. However, exact planning of the system, carried out by specialists, is a prerequisite.

Patented mounting adapters make it very easy to install spark detectors and extinguishing nozzles. The whole installation is undertaken from the outside while achieving a flush-mount to the inside duct wall so that the material flow is not disturbed. The unparalleled sensitivity of the sensors makes the reliable detection of sparks possible, even through dense material flows.

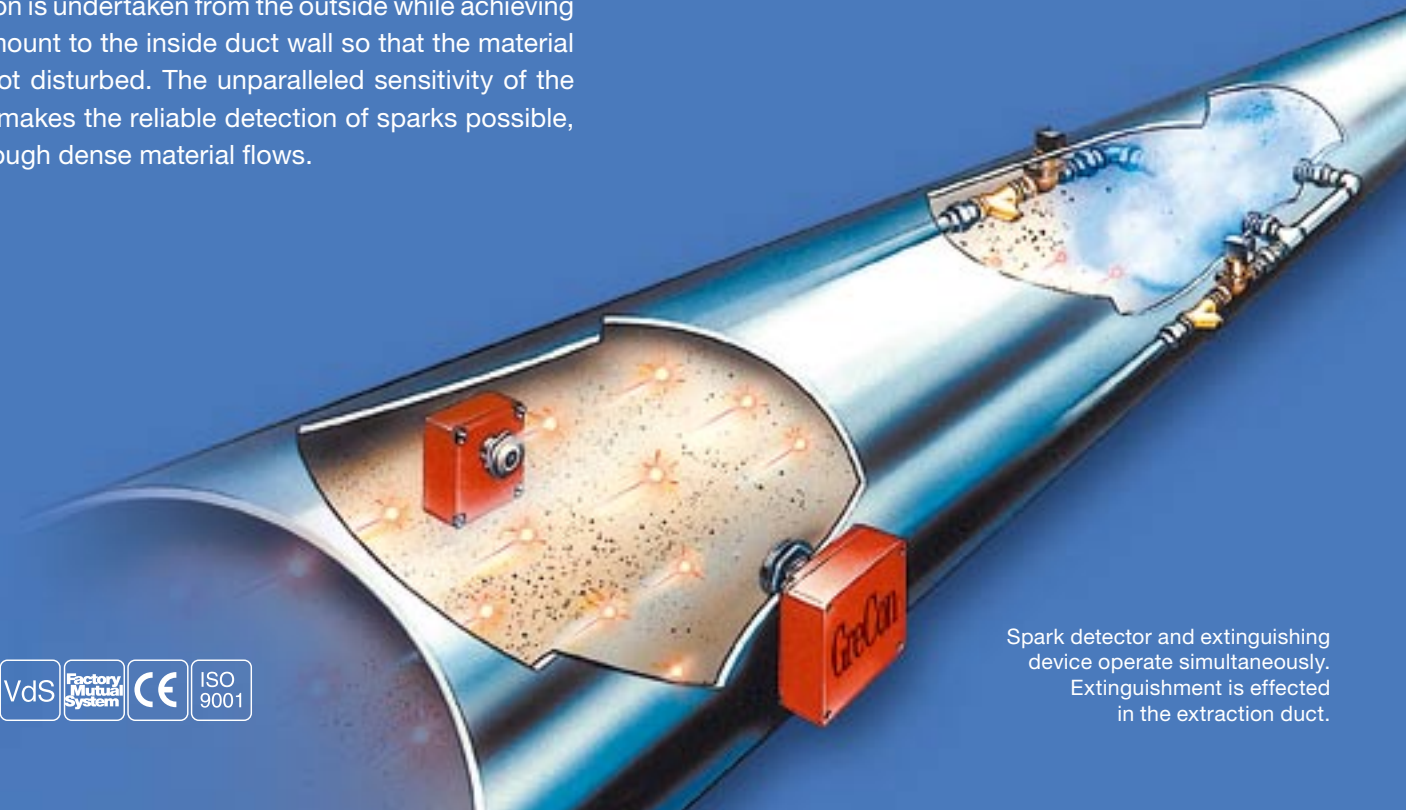
The extinguishing nozzles are made of stainless steel including sealing cones resulting in a long service life. Blockages are almost non-existent.

A modern control console with a big display, in which all events are shown, makes the operation of the system very easy. All events are stored.

Standard interfaces are available to transfer data or shut down machinery. The control console has a modular design and can be extended at any time.

Only a small amount of water, which has to have a pressure of approximately 7 bars, is required for extinguishment. If this is not possible at the customer's plant, a GreCon pressure increasing unit may be installed which operates fully automatically.

You will find further information in our detailed brochure or on our internet homepage at www.grecon.de.



Spark detector and extinguishing device operate simultaneously. Extinguishment is effected in the extraction duct.