

Instantaneous Extinguishment through the Use of UV/IR Sensors

The UV/IR sensors offer high confidence against false alarms due to the evaluation of two different spectral regions for flame detection. Flashlight with red-eye flash mode or trails of steam as they might arise when opening the press, for example, do not trigger an alarm.

Due to the high confidence against false alarms, all extinguishing measures are taken immediately without delay. Due to the high-quality UV/IR sensors, valuable time is saved during alarm, and the fire is extinguished in the early stage.

When opening inspection flaps, sensor groups are automatically disabled to avoid false alarms. An inspection flap monitoring using mechanical switches can be connected directly to the central fire alarm system.

If inspection exceeds the time that is pre-determined in the central fire alarm system, information is given to the operator.

Language Selection

Up to four different languages can be selected. The zone descriptions of the sensor and extinguishment groups are shown as plain text on the display with up to 40 characters in the selected national language.

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GreCon

Integrated Press
Extinguishment System
Offers Protection
for Hot Presses

GreCon

Fire
Protection

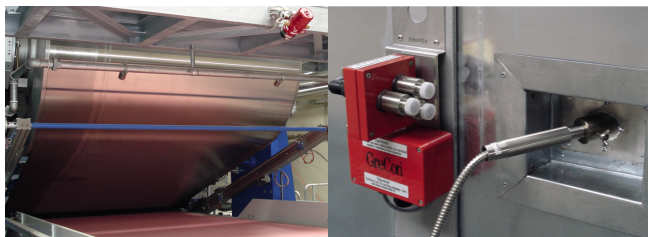
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Measuring
Technology



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BS 7



Press Extinguishment System Protects Your Production

In the production processes of wood based panels, different flammable materials, such as chips, fibres, glue, paraffin or even oil, represent dangerous sources that can only be controlled by additional physical protective measures, such as fine water spray systems.

A modern system that detects press fires has to be capable of detecting fires in the danger areas early and reliably and immediately activate extinguishment in those locations and the entire press. The fires occurring during running production have to be fought directly in the place of detection. As a fire might spread quickly within the press, an automatic extinguishing process is preferred to a manual fire fighting facility. The GreCon press extinguishment offers both alternatives.

DuoStep 26

Installations made to date incorporating the Gre-Con fire detection principle DuoStep 26: Availability of early information to the operator allows both manual and qualified intervention. In addition, automatic triggering of the extinguishing system by the combined detection of two different flame spectra is secure against false alarms. The visual distance of the flame detectors exceeds 25 meters at a viewing angle of 90 degrees. So fewer detectors are installed at the press. This also reduces long-term maintenance costs.

Eco-Clean

A very energy-efficient cleaning device – without using compressed air – avoids accumulation of oil and steam on the detector's optical lens. Compared with cost-intensive compressed air, the electrical connection voltage is only approx. 40 W.



Integrated Fire Protection Concept

Using the integration of the extinguishing events, registered by the spark extinguishing system, in the total press protection concept, extinguishing measures can be taken quickly. The integration of spark detection in the exhaust pipes of the press inlet and/

or outlet makes early fire detection possible. The operators of hot presses with spark detection in the exhaust pipes report that sparks are detected minutes before the press fire detection is activated. Using this combination, fire events are smaller and use of lower quantities of extinguishing water.

Less extinguishing water means shorter downtime after a successful extinguishment. With the GreCon central fire alarm system (approved by VdS) with integrated extinguishment function, it is possible to activate press extinguishing measures manually or automatically.

