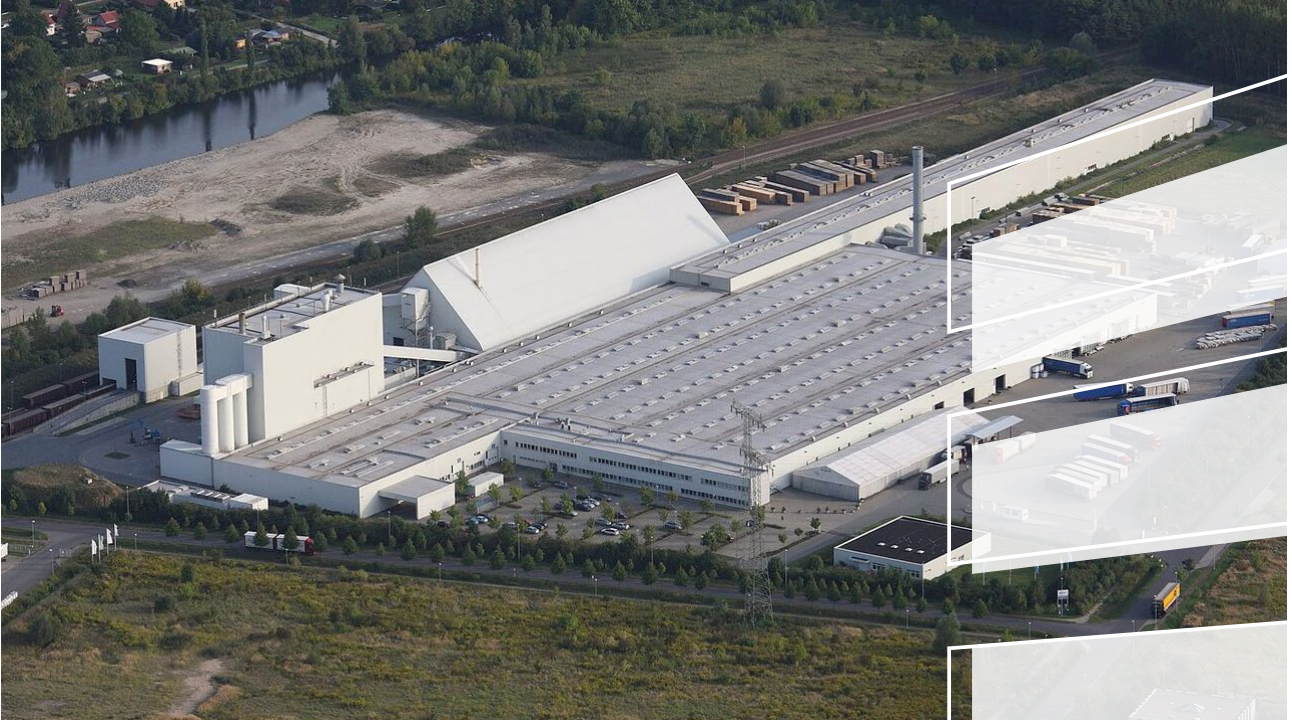




Case Study

Reducing the risk of returns by detecting delamination

During production at Saint-Gobain Rigips, a specialist in drywall and plaster systems, delamination occurred within the panels. This led to quality deviations and additional inspection work. In future, deviations should be reliably detected so that production can react quickly and quality remains consistent. DELAMINATIONCONTROL F was developed to ensure robust in-line detection of delamination and to enable a rapid response in the event of deviations.

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Since we started using the GreCon system, we have been able to detect anomalies caused by delamination much earlier in the process.

Yannik Ende,
Process Engineer
at Saint-Gobain Rigips



Quality deviations with a financial impact

The Saint-Gobain Rigips plant in Bodenwerder manufactures high-performance acoustic panels, gypsum fillers and gypsum fibreboards (Rigidur). During production at Saint-Gobain, a specialist in drywall and plaster systems, delamination (internal splitting) occurred within the boards, which could lead to quality deviations and additional testing costs. The result: quality deviations and the resulting additional costs due to scrap, rework and customer complaints.



Saint-Gobain Rigips installed DELAMINATIONCONTROL F downstream of the drying oven as an in-line detection solution. The implementation was based on a specification previously agreed with the measurement technology specialists at Fagus-GreCon. DELAMINATIONCONTROL F is integrated into the process in such a way that the panel inspection data is displayed in the control room. This was followed by the standard response within the process: marking, ejection, process control, a production line stoppage where necessary, and notification to Quality Assurance and the sawing control centre. Thanks to reliable detection and rapid response to deviations, the system results in less scrap and lower quality-related follow-up costs.

Reliably identify deviations, reduce follow-up costs:

- ✓ **Reliable detection** as the basis for consistent quality
- ✓ **Rapid response** to deviations
- ✓ **Robust design** for the production environment

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