

PRESS RELEASE

Edge Quality

GreCon EDGEINSPECT: Detects Precise Edge Defects Where Camera-Based Systems Fail – thanks to Inline Edge Inspection with 3D Laser Technology

Alfeld, 14 February 2025

Quality control in the wood and furniture industry faces many challenges: defective edges can lead to customer complaints, material waste, and disruptions in subsequent production processes. At LIGNA 2025, Fagus-GreCon presents EDGEINSPECT, a revolutionary solution that now inspects not only furniture components but also door frames and edges with extreme precision - outperforming traditional camera systems.

Innovative 3D laser technology: Redefining Edge inspection

GreCon EDGEINSPECT is redefining edge inspection. Using high-precision 3D laser technology, the system detects even the smallest defects, such as open glue joints or breakouts. By analysing edge geometry, manufacturers can intervene early to prevent production defects. Thanks to intelligent lighting control, EDGEINSPECT operates independently of decorative finishes and requires no complex learning processes.

In Summary:

- Measures edge geometry instead of relying on camera-based inspection
- Decor-independent defect detection without a learning process
- Differentiates between breakouts and raised areas

The Advantages of EDGEINSPECT:

- Prevents recurring defects
- Reduces waste
- Avoids customer complaints

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Practical, Precise, Flexible

EDGEINSPECT integrates seamlessly into existing edge processing machines and can be adapted to specific customer requirements. By measuring geometry deviations down to hundredths of a millimetre, the system delivers unrivalled results - even at high production speeds of up to 120 m/min.

Experience the Future of Edge Inspection

Visit us at LIGNA 2025 in Hannover from 26 to 30 May 2025 to discover how GreCon EDGEINSPECT not only enhances your control but also gives you a significant competitive advantage. You'll find us in Hall 26, Stand C42.

About Fagus-GreCon Greten GmbH & Co. KG

Fagus-GreCon is the global leader in preventive fire protection solutions as well as high-precision measuring and inspection systems for industrial applications. The company's solutions enhance safety, quality, and efficiency in industries such as wood-based panels, furniture manufacturing, and recycling. For over 50 years, GreCon has set industry standards in industrial fire protection, safeguarding production facilities with innovative spark detection and extinguishing systems. In measurement technology, GreCon enables precise process and quality control through state-of-the-art technology. Headquartered at the UNESCO World Heritage Site Fagus Factory in Alfeld, the company employs over 700 people worldwide.

Fagus-GreCon – Pioneering Spirit that Sets Standards!

Find out more at: www.fagus-grecon.com