

PRESS RELEASE

Real-time Particle Geometry Measurement

GreCon 2D PARTICLEVIEW: Detects issues before waste is generated

Alfeld, 14 February 2025

Variations in particle size pose a major challenge in chipboard production. They affect board strength, lead to surface defects, and increase adhesive consumption. The GreCon 2D PARTICLEVIEW provides precise inline monitoring of particle geometry – in real time and without interrupting the production process.

Continuous Control, Measurable Results – Inline

The 2D PARTICLEVIEW measures the geometry of wood particles directly within the production line – continuously and in real time. Any changes in chip geometry are detected immediately, allowing manufacturers to identify and resolve issues such as clogged screens or wear on the chippers at an early stage. The collected data also helps to optimise chipping and gluing processes, directly improving the quality and efficiency of the final chipboard panels.

"The 2D PARTICLEVIEW gives manufacturers a powerful tool to meet the increasing demands for quality and resource efficiency," explains Christian Angel, Product Manager at Fagus-GreCon. "By continuously measuring particle geometry, deviations are identified early, allowing for precise corrective action – ensuring consistently high board quality."

The Advantages of 2D PARTICLEVIEW

- **Enhanced board quality:** Early detection of issues and precise control of particle geometry.
- **Process optimisation:** Improved chipping and gluing settings based on additional measurement data.
- **Resource efficiency:** Reduced screen losses, leading to lower adhesive consumption.
- **Inline measurement:** Continuous monitoring within the production line without additional personnel effort.

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Why Particle Geometry Matters

The geometry of wood particles is crucial for the properties of the finished chipboard. In particular, the surface-to-volume ratio influences the effectiveness of adhesive application, directly affecting board quality. Thicker particles compromise quality, causing defects that the 2D PARTICLEVIEW can identify at an early stage.

Experience the 2D PARTICLEVIEW Live!

Visit us at LIGNA 2025 in Hannover from 26 to 30 May 2025 and discover how the GreCon 2D PARTICLEVIEW can revolutionise your chipboard production. 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 measurement and inspection systems** for industrial applications. The company's solutions enhance **safety, quality, and efficiency** in industries such as wood-based panel, 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