LIMAB GMS 1100™ FalconEye II™

Systems for gypsum board dimensional and surface control

Non-contact measurement systems.
We measure your way to perfection.

LIMAB GMS 1100™. The non-contact inline dimensional measurement system.

Since the start in the late 1990s, the modular system has seen continuous improvement and is installed at over 300 major gypsum industries across all continents. This system, encompassing width, edge profile, and thickness measurements, not only offers consistent performance but can also generate alarms for out-of-tolerance products.

The optional Additional Width Measurement system situated near the mixer, is developed to improve the process with correct width indication at the very beginning of the production.

LIMAB also offers a solution for width and edge profile measurement on dual board production, consisting of two width sensors on either side of the line.

- Designed for high performance and low maintenance in terms of time and costs.
- Being non-contact, no frequent calibration is needed, and it works on high-speed production lines.
- Provides easy to read real-time data. Storing all-important data for post-production analysis.

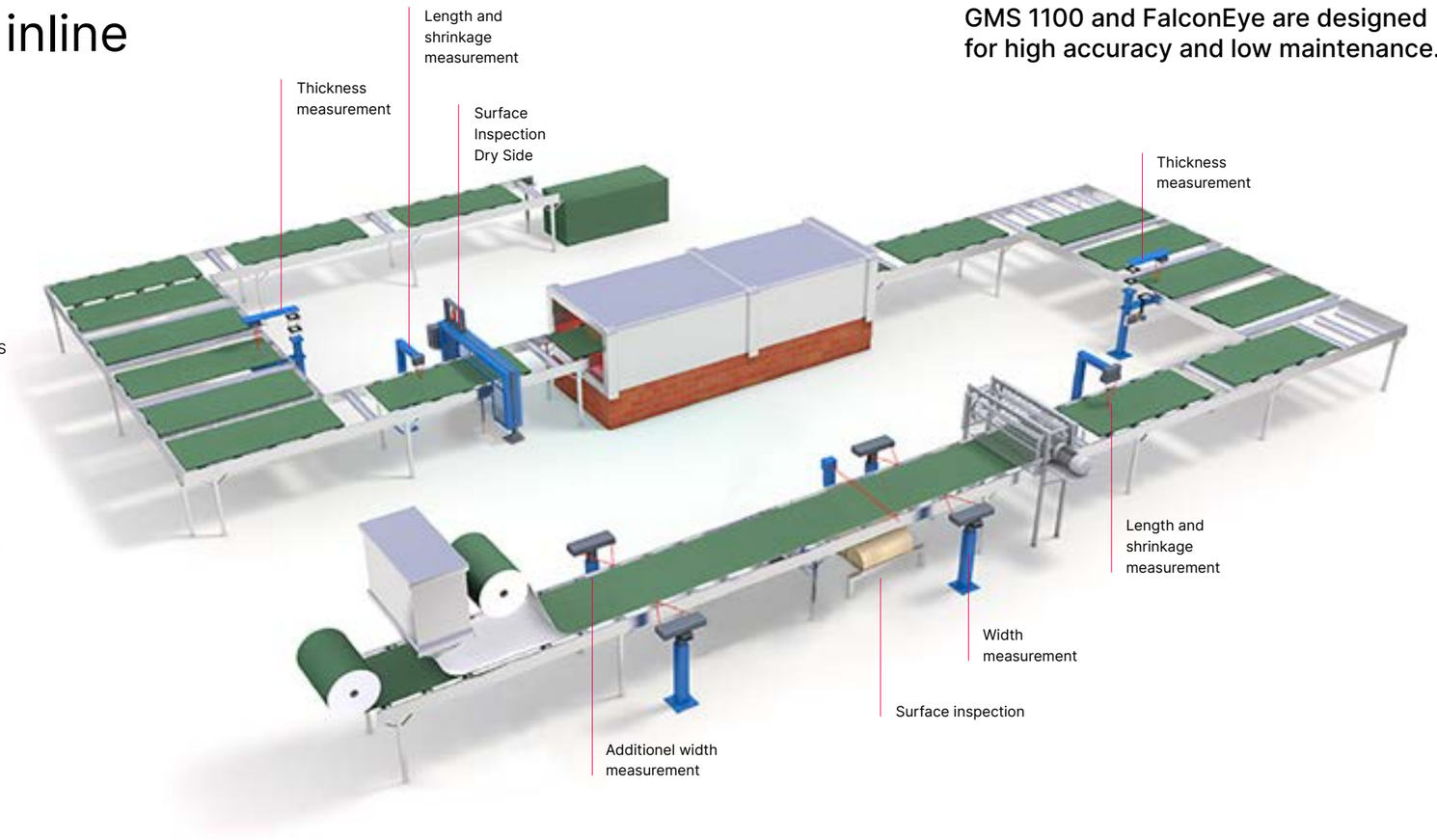
Length & Shrinkage control saves time and money

LIMAB's non-contact length measurement of the boards after the knife and the dryer generates boards with exactly the desired lengths. The safety margin of the length is minimized, ensuring a quick return on investment. With this solution the operators avoid dangerous and time-consuming manual measurements.

This is a fully integrated system in the main GMS 1100 system. Both wet and dry lengths are displayed on the HMI and data is saved for each production. Besides the high accuracy, there are no wearing parts, resulting in minimal maintenance costs, and the Dopplers are permanently calibrated from factory.

PanelProfiler

The thickness measurement system comes in different versions, for example single, multi fixed tracks or traversing frame. It is used by several producers of fiber cement and other panels, such as XPS, composite material and foams. It's also successfully used for 4-sides taper production of gypsum boards.



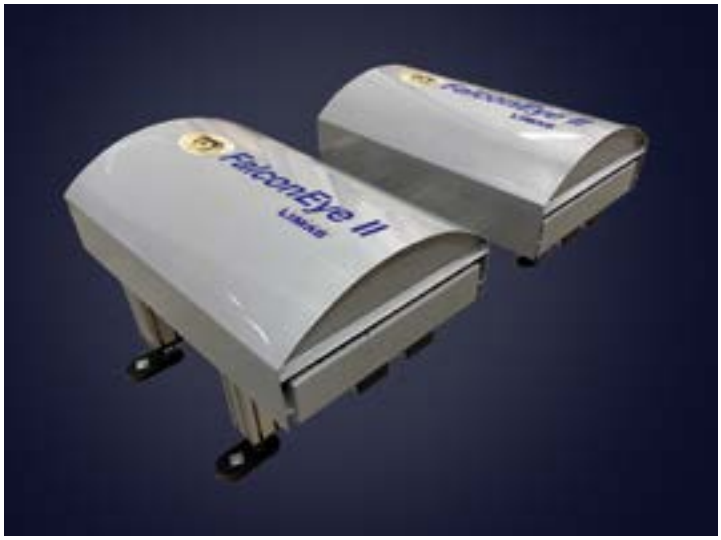
GMS 1100 and FalconEye are designed for high accuracy and low maintenance.

The system provides easy to read real-time data.
All important data will be stored for post-production analysis.

Being non-contact there is no need for frequent calibration even on high speed and continuous lines.

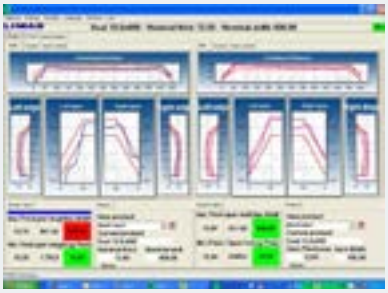
LIMAB FalconEye II™
The inline solution for surface control

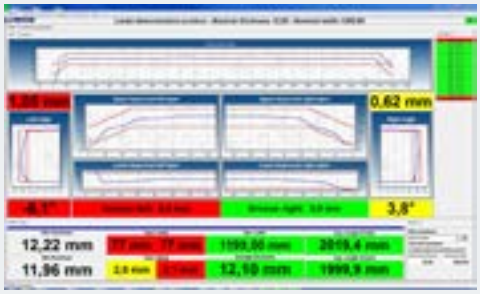
LIMAB FalconEye™ is the inline solution for surface defect control and it has been supplied for two decades. Now it is time for the next generation, FalconEye II™, with the latest available technology and components. This system will be designed to handle both the wet and dry sides of the plant, with the aim of detecting defects on the boards to enhance the quality of supplied boards and reduce the number of claims. The next-generation system is scheduled for release in 2024.



Always on point with real-time data

The user-friendly Windows-based system software offers an extensive set of functions. It provides real-time data for board width and thickness, along with various optional features. These data are presented through 2D and 3D graphs for each measured board, on-screen alarm notifications, trends, and product tolerance monitoring, to name a few.





LIMAB AB
P.O. Box 24102
SE-400 22 Göteborg, Sweden
Tel +46 31 58 44 00
sales@limab.se
limab.com

LASER RADIATION
AVOID EXPOSURE TO BEAM
CLASS 2 LASER PRODUCT

LASER RADIATION
AVOID EXPOSURE TO BEAM
CLASS 3B LASER PRODUCT

Laser Class according to EN 60825-1:2014 and 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007