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Press releases

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**New level for inline profile evaluation and 3D measurement**

**The new thicknessGAUGE 3D is used for inline profile evaluation and 3D measurement of strip and sheet material. The sensor system consists of an aluminum C-frame with two laser scanners, a linear axis for automatic calibration and a compact bus terminal box. In addition, there is an industrial touch PC with pre-installed software that evaluates the individual profiles of the two sensors and calculates them as a 3D point cloud or outputs them to a controller for further calculations.**

The thicknessGAUGE 3D measures thickness and profile. It is used as a complete system for inline 2D and 3D measurement in various industries. The compact system is used to measure strip and sheet material in the field of battery production.

The hardware consists of an aluminum C-frame in which two scanCONTROL sensors from the LLT3002 series are integrated. There is also an electromechanical linear axis for positioning and automatic calibration, as well as a compact bus terminal box and an industrial touch PC with pre-installed software. The entire system is supplied with a voltage of 24 V.

So that the evaluation can be carried out directly and automatically in the thicknessGAUGE 3D, the measurement task is configured beforehand in the Micro-Epsilon 3DInspect software and the parameter set is loaded onto the thicknessGAUGE 3D. This is usually carried out by Micro-Epsilon and is specific to each measurement task. If the user wants to configure the system themselves, for example to create or adapt several parameter sets, they must also purchase the 3DInspect software license.

With thicknessGAUGE 3D, customers get a fully assembled and ready-to-use system. Thanks to the range of standard models, Micro-Epsilon can offer an excellent price-performance ratio as well as fast delivery and commissioning. Customer-specific adaptations, for example with regard to width or measuring rate, can be implemented quickly and cost-effectively. The thicknessGAUGE 3D measuring system offers maximum precision

thanks to harmonized, calibrated and temperature-compensated components.

approx. 2,100 characters including spaces



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