Press release

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Press releases

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**High-performance micrometer with a larger measuring range**

**The new optoCONTROL 2700-10 micrometer offers maximum precision for inline quality assurance. It provides a digital resolution of 10 nm and a linearity of ≤ 0.5 µm. It is used for diameter, gap, edge and segment measurements in industrial production processes, where it delivers extremely accurate results, even on transparent measuring objects. The optoCONTROL 2700 has a real-time inclination correction of the measuring object, which means that exact alignment of the measuring object is not necessary. The entire configuration of the LED micrometer is carried out via the integrated web interface.**

With the optoCONTROL 2700-10, Micro-Epsilon is expanding its portfolio of high-performance micrometers with a model providing a 10 mm measuring range. It is ideal for high-precision measurement of diameter, gap, edge and segment in industrial processes. The new LED micrometer works with a significantly improved linearity of just 0.5 µm and measures objects from 50 µm in diameter with extreme precision.

The decisive advantage is the telecentric optics, which significantly optimizes the measurement accuracy. The measuring object is illuminated evenly, and the real-time inclination correction ensures extremely accurate measurement results even when the measuring object is positioned at an angle or tilted. Orthogonal alignment of the measuring object is therefore not necessary.

Whether highly reflective objects such as rollers or transparent objects such as glass wafers - these innovative micrometers offer an optimum solution wherever maximum precision and reliability are required.

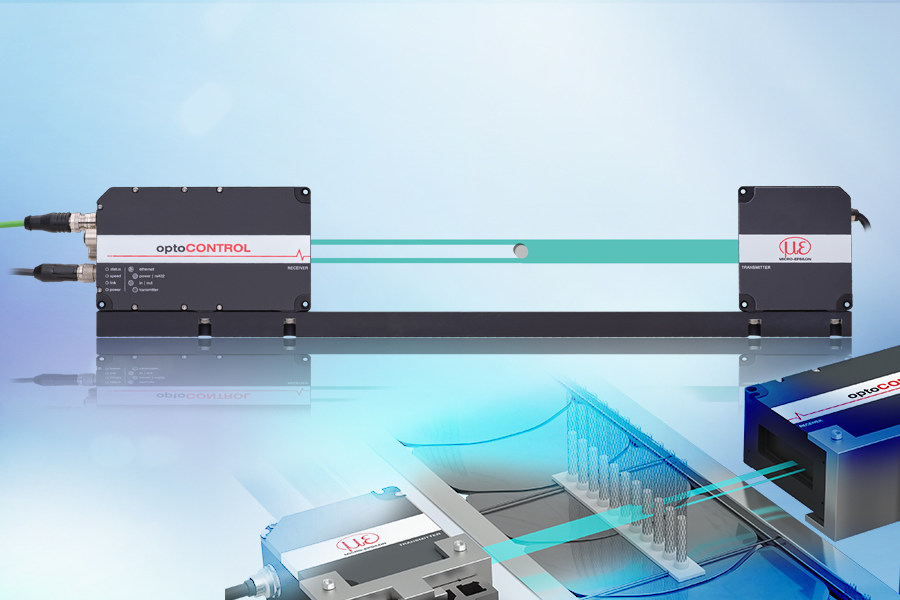
In addition to precise measurements, the integrated contamination detection feature offers a proactive solution for detecting contamination or foreign bodies on the measuring surface. This function helps to avoid measurement errors and to raise the quality of the results to the highest level.

Due to the integrated controller, no external control unit is necessary and the time required for wiring and installation is minimized.

The entire configuration of the LED micrometer is carried out via the integrated web interface. The web interface is accessed via the Ethernet interface and enables quick and easy setting of e.g. averaging or measuring rate and offers extensive parameterization options for every measurement task.

Six presets enable quick and easy set-up for the measurement task. The web interface also offers a scalable black-and-white image for easy alignment. This enables the micrometer or the measuring object to be optimally positioned graphically.

approx. 2,600 characters including spaces



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