Press release

No. 623e

**Ultra-high performance 3D snapshot sensor**

**With the surfaceCONTROL 3D snapshot sensors, Micro-Epsilon sets new standards in the inspection of the geometry, shape and surface of matt objects. The latest generation of sensors offers a Z-axis repeatability of 0.25 micrometers, with superior XY resolution of up to 8 micrometers. This makes it possible to detect even the finest details on surfaces and to perform high-resolution measurements.**

The new generation of surfaceCONTROL 3D snapshot sensors takes 3D surface measurement technology to a new level. At 0.25 µm, the sensors not only offer maximum Z-axis precision, but now also an outstanding XY resolution of up to 8 µm. As a result, the sensors can now detect even finer details and perform even more precise measurements than before.

surfaceCONTROL sensors are used whenever maximum precision is required. This includes applications from the automotive, aviation and medical sectors as well as semiconductors, additive manufacturing and research and development. With the inline capability of its sensors, Micro-Epsilon offers industrial customers an all-in-one solution from data acquisition to output of measured values. This also includes comprehensive interfaces.

The new measuring range of 30 mm rounds off the surfaceCONTROL 3D 3xx0 series of geometry, shape and surface inspection systems for matt targets. This sensor is suitable for smaller objects with a maximum size of 31 mm x 19.5 mm. For measurements in harsh production environments or for use on robots, the sensor is embedded in a sturdy aluminum housing and certified with protection class IP67.

approx. 1,600 characters



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