Press release

No. 620e

**5 impressive reasons for confocal sensors**

**Confocal chromatic sensors are used for fast and high-precision distance and thickness measurements. The product portfolio impresses users in many respects: Compact designs, a wide range of applications, different sensor models, simple commissioning, and, last but not least, outstanding performance data are the reasons why confocalDT sensors are market leaders.**

**Suitable for confined installation spaces**

Micro-Epsilon offers a wide range of confocal sensors for measurement tasks in numerous industries. The sensors impress with their compact design, which is why they are ideal for confined installation spaces, such as drill holes or depressions. The controller unit also impresses with its small size, which is why it is ideally suited for installation in control cabinets.

**Robust, reliable, and precise**

Another advantage of confocal sensors from Micro-Epsilon is their industrial-grade housing design. This means that the sensors can be used in many different sectors, including automation and the semiconductor or automotive industries. For example, the sensors measure curved and structured surfaces reliably and precisely.

**Wide range of variants for different measurement tasks**

Micro-Epsilon offers a portfolio of confocal sensors that not only impresses with its large number of sensors, but also with its wide range of variants. For instance, the Micro-Epsilon portfolio includes 31 different sensors with 16 different measuring ranges from 0.1 to 30 mm. In addition to the standard sensors for high-precision measurement tasks, miniature confocal sensors with axial and radial measurement direction (90°) are also available. The 90-degree

version can be used to perform measurements inside drill holes and depressions. Micro-Epsilon also offers variants for measuring in a vacuum.

**Easy handling**

Application development is always focused on the user: Micro-Epsilon sensors are easy to commission and simple to operate. This is ensured by the advanced web interface, which can be easily accessed via a PC.

**Unique properties**

The confocal sensors from Micro-Epsilon impress with their performance. The focus here is on high resolution, low linearity, and a high measuring rate in order to be able to detect and process measurement values quickly. A particular highlight is the indication of the tilt angle, which is unique on the market in this form. Micro-Epsilon ensures good maintainability with the fiber optic connection cable, which can be replaced at any time.

approx. 2,500 characters



(PR620\_confocalDT\_Pressefoto\_18x13.jpg)