

Press Release

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Micro-Epsilon receives Red Dot Award for laser triangulation sensor

With its optoNCDT 1320/1420 laser sensors, Micro-Epsilon is setting new standards in laser triangulation measurement, as well as functionality and design. The latter has now been rewarded with the Red Dot Award Industrial Design 2016.

Established in 1954, the Red Dot Award design competition for products is a globally acknowledged seal of quality. A 41-member jury of experts rates the best products of the year from a record-breaking 5,214 products from 57 nations.

The winning optoNCDT 1320/1420 laser triangulation sensors convinced the jury due to the perfect interaction of several factors. The sensors are extremely compact with an integrated controller, which means they can be installed in restricted installation spaces. These smart miniature sensors also come with lots of new features – both internally and externally. They provide metrological innovations, sensor-specific colour coding of the cable bushing, and an intuitive web interface. In addition, the extremely small laser spot size, which is focused through an optical system to a very small diameter, enables the measurement of extremely fine details. These predefined presets and the quality slider enable easy sensor configuration and parameter set up.

The sensors offer machine builders, systems integrators and OEMs an unrivalled combination of technical benefits in terms of their compact size, performance (up to 4kHz measuring rate) and ease of installation. The sensors are suitable for use in a variety of industries. As well as in electronics production, the sensors can also be applied in the packaging industry, wood processing, logistics, medical engineering, laser engraving equipment and quality assurance. Other application examples include pick-and-place machines, inline vehicle bodywork and tool positioning, inner diameter of pipes and the

More Precision.



measurement of plastics parts, where the penetration of the laser into different material mixtures and colours is a particular challenge. The latter is easily met by existing sensor pre-settings.

The optoNCDT 1320 and 1420 series are available in measuring ranges of 10mm, 25mm, 50mm, 100mm plus 200mm option in the 1420 series.

For more information, please call the Micro-Epsilon sales department on 0151 355 6070 or email info@micro-epsilon.co.uk

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