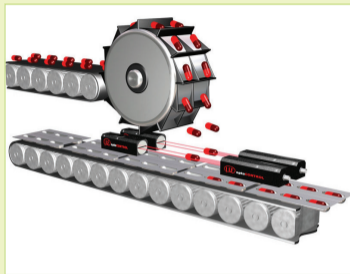


Miniature sensors designed for use in confined spaces



With a diameter of just 4mm, Micro-Epsilon's new confocal sensor is ideal for measuring inside confined spaces such as narrow cavities, drilled holes and bores. As well as axial measurement, the sensors include a 90° version which enables the inner surfaces of small components to be measured radially.

The sensor is targeted at a range of industry sectors including medical, aerospace component inspection and biotechnology, and for applications ranging from the checking of liquid fill levels in medical test tube racks and trays, to inspecting drilled holes and recesses or measuring the thickness of materials.

The new miniature optoNCT 2402 range are confocal miniature displacement sensors with the company's patented lens design. With a measuring range of 1.5mm.

the sensor has a resolution of $0.06\mu\text{m}$ at 0.004% FSO, a measuring rate from 30Hz to 30kHz and an operating temperature from 10 to 50 °C.

The optoNCDT 2404 has a titanium housing and weighs just 50g. Its sensing head comprises precision optical parts without any electrical components, enabling very high stability.

Micro-Epsilon's complete measurement system consists of a sensor, an optical cable and a controller. Up to six different sensors can be factory-calibrated for one corresponding controller.

Micro-Epsilon

T: 0151 260 9800

Enter 654

