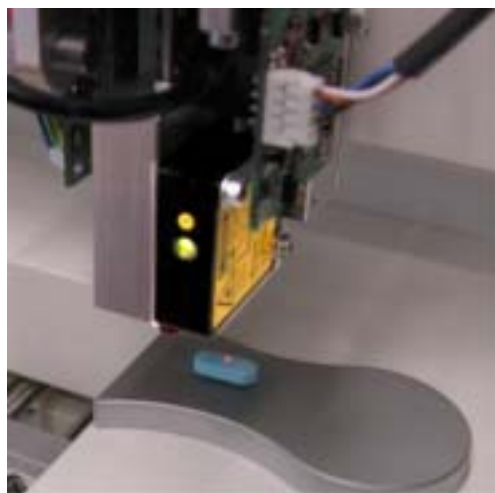


Ultra-Miniature Laser Displacement Sensor Solves Pharmaceutical Application

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Product: OADM 12I6460
Laser Displacement Sensor

Market: Pharmaceutical

The Application:

The Baumer Electric OADM 12 is now being used with great success in a new automatic test unit designed for quality control of pills. This ultra-miniature laser displacement/distance sensor takes over several measuring and profiling functions. Until now the profiling and measurement of pill diameter and thickness was done manually by a dial gauge. Because it actually took contact measurements, softer pills were often damaged by this technology, especially as more and more "gel-cap" style tablets are produced.

With the OADM 12, both diameter and shape can be measured and monitored, for extremely high-precision quality control. In this application, the sensor is mounted directly into the measuring head, which is then passed over the stationary pill.

The sensor also reads a "code" imbedded into the pill presentation plate. The code consists of 4 holes of varying depth on the plate. Read as a specific analog signature, the holes allow the unit to read the type of pill being measured.

User Benefit:

The customer wanted to have a non-contact measuring sensor which could be mounted within the handling head. Previously, the customer ruled out laser measuring sensors due to their large size and often 2-component configuration. The small size of the OADM 12 (12x37x34 mm) and self-contained electronics eliminated this concern.

The customer also required a high resolution for accurate pill profiling. With a constant resolution of 2 μm , the OADM 12 offered more than sufficient precision.

For more information on Baumer Electric's OADM 12 Laser Displacement Sensors as well as our complete line of precision sensor and encoder solutions, contact us at: 800.937.9336, or visit us at: www.baumerelectric.com/usa.

Baumer electric

Leading in Precision Sensing

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