



SOLUTIONS THAT MATTER

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WHEN HIGH ACCURACY MATTERS

CCD Laser Displacement Sensors



CD5 Series

High Accuracy and Compact Size:

Able to detect the slight difference when thin parts get stacked on top of each other



Light Weight:

Weighing only 65 grams, the CD33 can be mounted on linear slides to allow movement across the sensing area



Cap Closure Verification:

Provides reliable sensing for proper lid closure on food products



Tension Control:

Displacement laser sensors maintain proper tension during extrusion by providing accurate distance feedback for all targets, even black rubber



Transparent

Thickness Detection:

Specular types can accurately detect the thickness of transparent objects such as plastic bottle preforms



High Precision:

'LI CCD' sensor technology verifies precise component placement

Laser Sensors that are light weight and highly accurate



CD33 Series

WHEN SPEED & VERSATILITY MATTER

Fiber Optic Amplifier and 180 Different Fibers



D3RF Series



Pinpoint Beam Spot:

Fiber optic lens attachment provides a tiny beam spot



High Speed Array Sensing:

Wide array fiber optic beam easily detects all sizes of falling parts



Hi-Flex Fiber Cables:

High flex and tight bend fibers allow mounting on articulation robot arms

WHEN REPEATABILITY MATTERS

Laser Sensors for Background Suppression



BGS-DL-T Series



Pushbutton and Remote Teach Capabilities:

Sensitivity setting is easy with pushbutton or remote teach set-up



Ignoring the Background:

CMOS Technology reliably senses dark objects without influence from a reflective background



Super Small Laser Beam:

The small laser beam can repeatedly detect small targets including a black O-ring

Transparent Lid Detection:

Dependable detection of improperly placed clear cover



Narrow Laser Beam:

Sensing narrow gaps between transparent bottles is possible with the unique coaxial beam



No Dead Zone:

The sensor can be mounted very close to the reflector because the coaxial beam has no dead zone



Laser Sensors for Transparent Object Detection



DR-Q Series

WHEN SIZE MATTERS

Ultra-Thin and Compact Sensors with Built-In Amplifier



E Series



Only 3.5MM Thick:

Front sensing style provides long distance sensing in areas too small for other sensors



Super Compact Size Sensing:

The sensor can be mounted in very tight areas



Compact Thru-beam Sensor:

Excels at small part detection





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