

Smart Sensor !!

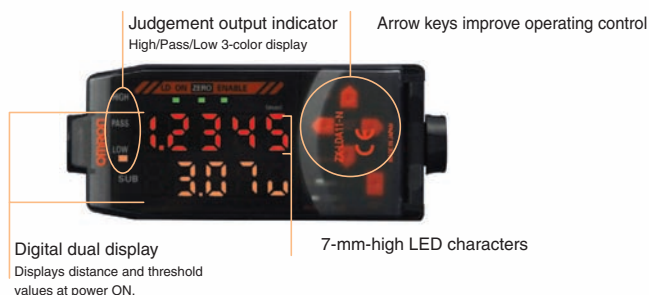
OMRON Offers Sensor Users New Choices

What's Style?



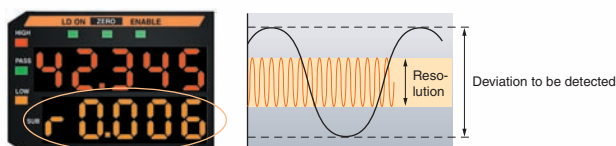
Top Priority Placed on Easy Operation

Advanced functions and performance plus easy operation.
This is a major feature of the ZX Series.
Experience operation that doesn't get any easier.



Easy-to-see Resolution Patent Pending

The resolution of the desired workpiece can also be easily determined by detection. The resolution display clearly shows the margin available for the threshold setting, to allow accurate judgement of detectability.



A Full Complement of Practical Functions

Operating Setting with No Need for a Digital Panel Meter Patent Pending

By simply fitting a Calculating Unit between two Amplifiers, the processing results of two Sensors can be displayed on a single Amplifier. Setting parameters need to be input only on one Amplifier.



Comprehensive Teaching Functions

Position/2-point/Automatic

Three teaching functions rival the performance of photoelectric sensors.

- Position teaching
For high-precision positioning applications
- 2-point teaching
For detecting ultra-small level differences between two points
- Automatic teaching
For teaching without stopping the workpiece

ZX to Smart Sensors Application World

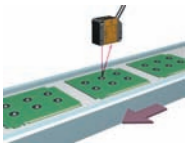
Height and Level Differences

Positioning

Small Level Differences

Thickness

Semiconductors and Electronic Components



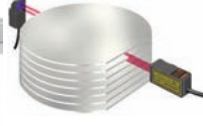
Inspecting PCB mold height



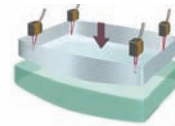
Measuring electronic component dimensions



Performing shipping inspections on robot arms



Wafer mapping (through-beam laser)

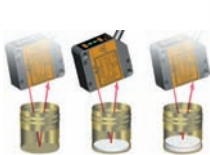


Checking CRTs for shadow mask insertion

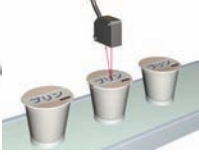


Checking for doubled-up lead frames

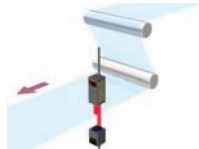
Packing, Foods, Chemicals, and Sanitary Items



Identifying the number of inner caps for sake bottle caps



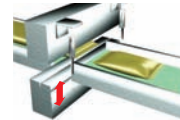
Detecting pinholes in pudding



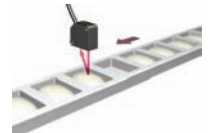
Checking the edge of transparent packing film



Detecting the indentation on glass bottles



Inspecting packing machine clamps

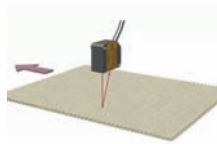


Inspecting cakes in trays for thickness and presence

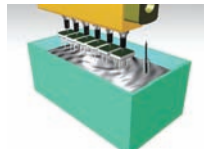
Household Appliances and Office Automation



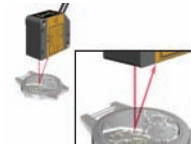
Measuring clock assembly height



Inspecting the height of the core in cardboard



Inspecting the solder level in soldering tanks

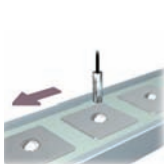


Performing final inspections during watch assembly



Checking the thickness of flexible items

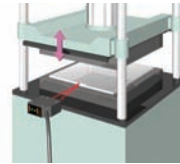
Automobiles, Machine Tools, and Robots



Measuring rivet height



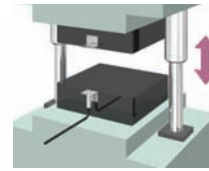
Measuring small component dimensions



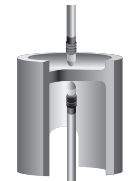
Inspecting the offset positioning of pressed workpieces



Checking welding point positions on ring gears



Inspecting bottom dead points on presses

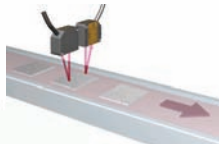


Measuring engine part dimensions

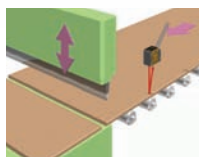
Automated Machinery, Inspection Equipment, and Others



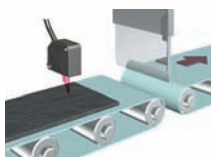
Inspecting ball bearings for foreign matter



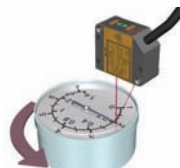
Identifying ceramic types



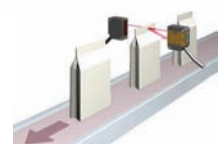
Checking cut positions on external walling material



Checking rubber positioning



Inspecting pressure indicator dials and pointer gaps



Detecting glue applied to bags