

Rugged Washdown Sensing

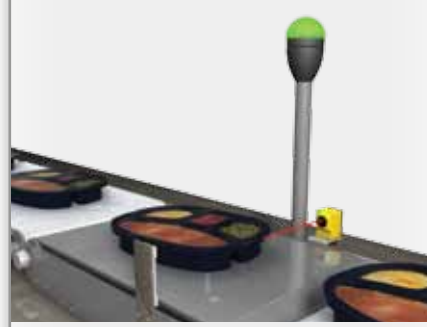
Clear Film Tension Control



S18U ultrasonic sensors control difficult-to-detect clear film on a horizontal form-fill-seal machine.

Monitoring

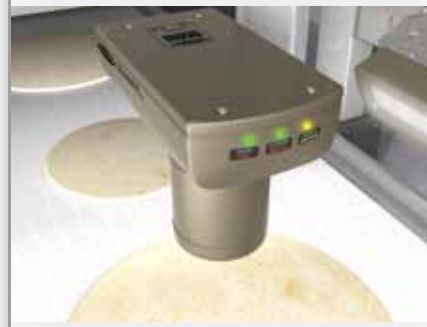
Machine Status Indication



The EZ-LIGHT K50L, with a smooth rounded design and IP67/IP69K rating, provides worry-free status indication on check-weighing system.

Quality Assurance

Food Inspection



An IP68-rated *PresencePLUS* vision sensor measures diameter and colour quality of pizza crusts.

Container Tracking

Bottle Tracking During Washdown



IP69K-rated M25U ultrasonic sensor excels in juice and dairy industries. Smooth stainless steel housing cleans easily with no threads.

Filling and Sealing

Cap Inspection in Confined Spaces



Rugged, IP69K-rated Q12 sensor inspects bottle closure using fixed-field technology to ignore cap colour changes.

Labelling

Correct Container Verification



An iVu TG touch screen image sensor ensures boxes in any orientation are correct for food packaging.

Packaging

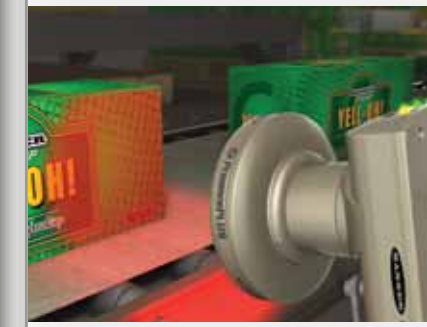
Leading Edge Detection



A QS18 adjustable-field sensor detects difficult-to-detect foil on flow wrapping machine.

Traceability

Date/Lot Code Verification



Prior to palletising, a sealed *PresencePLUS* vision sensor verifies a date/lot code has been printed.

Safeguarding

Robotic Palletising Safeguarding



One configurable SC22-3 safety controller monitors all safety devices in a robotic palletiser.

Food Product Tracking



EZ-BEAM T18 fixed-field sensors detect leading edges of food package.

Level Monitoring



QT50U ultrasonic monitors the level of problematic materials including clear liquids, hot slurry and frozen ice cream.

Fill Level Verification



S18U ultrasonics with analog output accurately verify the level of liquids in container prior to sealing.

Clear Object Detection



The 0,5 ms response time of the QS30 clear object sensor provides high-speed detection of clear, translucent and opaque objects.

Fill Level Verification



IP69K-rated QS30H2O sensor is designed for clear liquid detection in plastic or glass containers.

Registration Mark Detection



An R58 detects contrasts as low as 2% over a wide range of colours.

Full Case Inspection



A *PresencePLUS* colour sensor ensures a bliss box has the correct number of bottles.

Correct Label Verification



The iVu Bar Code Reader (BCR), with an integrated touch screen, reads a UPC and Data Matrix code to ensure the correct label is applied.

Personnel Protection



A safety light screen protects employees from hazards on case erectors/sealers, case/tray packers and shrink wrapping systems.

Beef Processing Line Washdown



Stainless steel *PresencePLUS* vision sensors provide inspection capabilities in a housing that withstands rigorous routine cleaning.

Refrigeration Temperature Monitoring



A SureCross Node transmits conditions in refrigerators or freezers, minimizing product loss by issuing an alarm when temperature exceeds acceptable limits.

Plastic Wrap detection



An IP67-rated QL56 luminescent sensor detects safety seals on cans prior to final packaging.

Bottle Detection in Wet Environments



IP68-rated WORLD-BEAM QS18U ultrasonic sensor is ideal for space-limited applications where opposed-mode sensors will not fit.

High-Speed Bottle Inspection



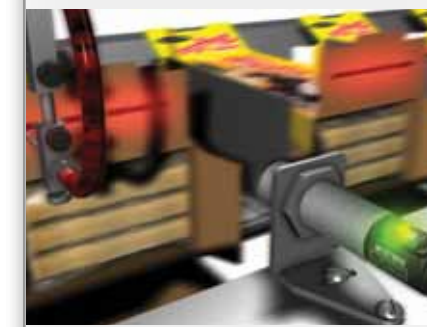
A *PresencePLUS* vision sensor inspects cocked cap, fill level, correct label, date/lot code and other features in washdown environments.

Label Inspection



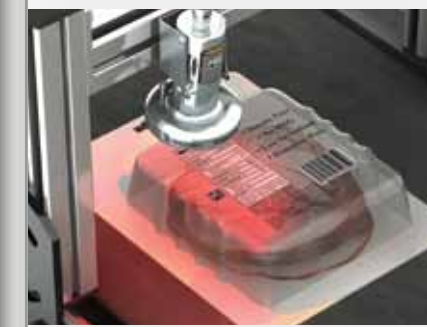
The iVu TG touch screen image sensor checks for torn, missing or incorrectly placed labels.

Hot Glue Detection



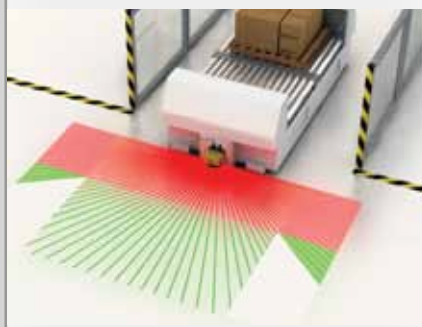
M18T temperature sensor detects the presence of hot glue before the flaps are closed.

1D/2D Bar Code Reading



A stainless steel *PresencePLUS* vision sensor reads Data Matrix bar codes in washdown conditions.

Collision Avoidance



An AG4 two-dimensional safety laser scanner detects the presence of objects in the path of an automated guided vehicle (AGV).

Industry Solutions for Food & Beverage



iVu Image Sensor



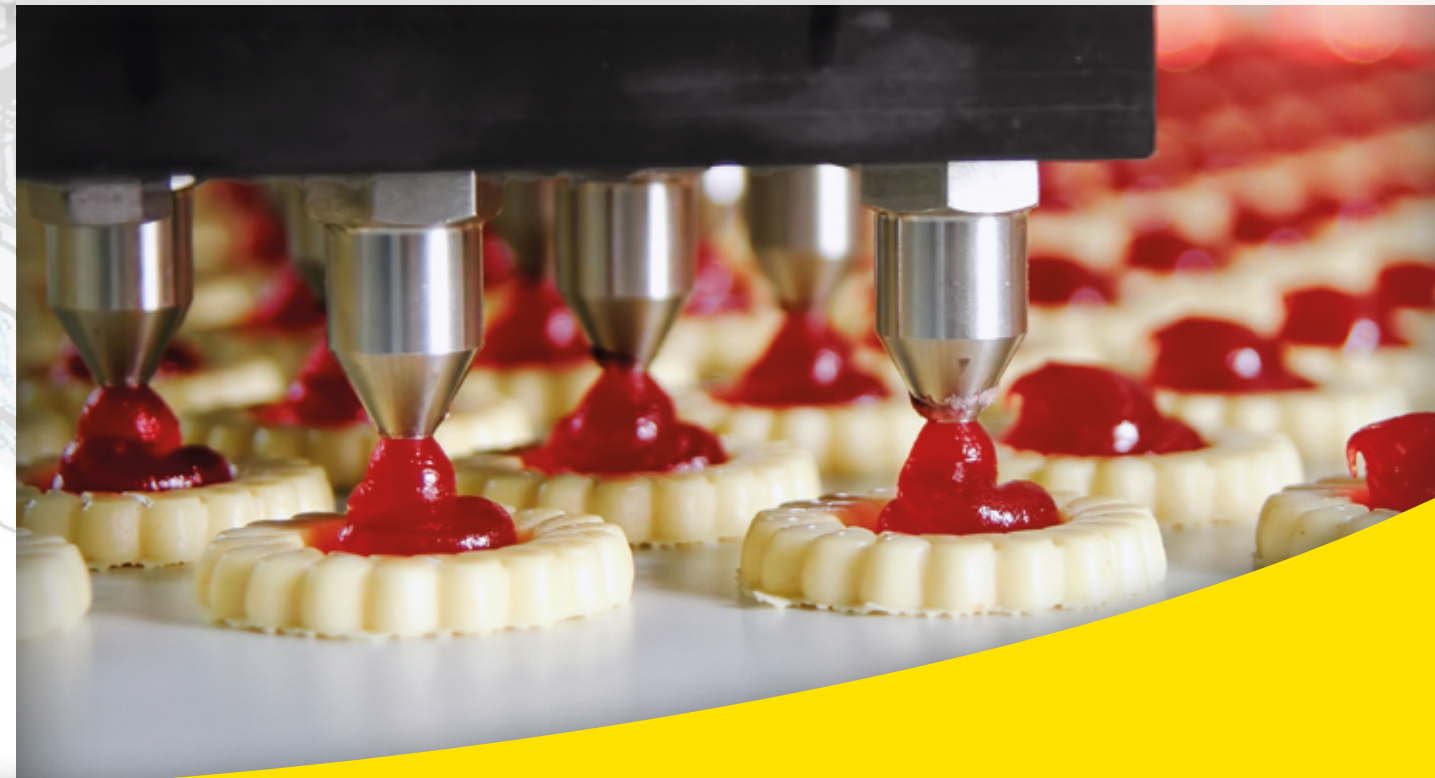
M25U Ultrasonic Sensor



EZ-BEAM Sensors



EZ-LIGHT Sensors



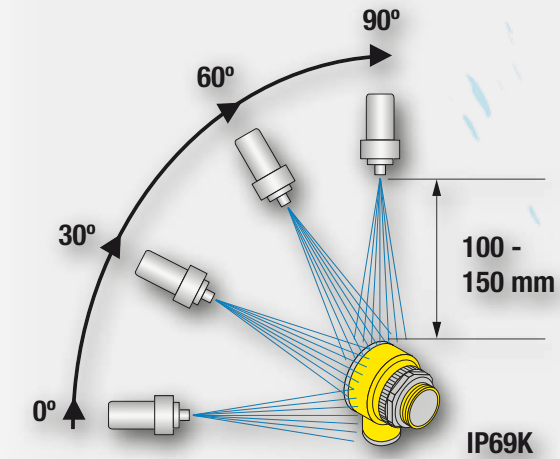
EZ-ARRAY Measuring Light Screens



R58 Colour Mark Sensors

High-Pressure, Washdown Rated

IP69K rated sensors are extremely durable in hostile environments. Rugged, sealed housings protect electronic components. These sensors are ideal for washdown applications in food/beverage and pharmaceutical processes.



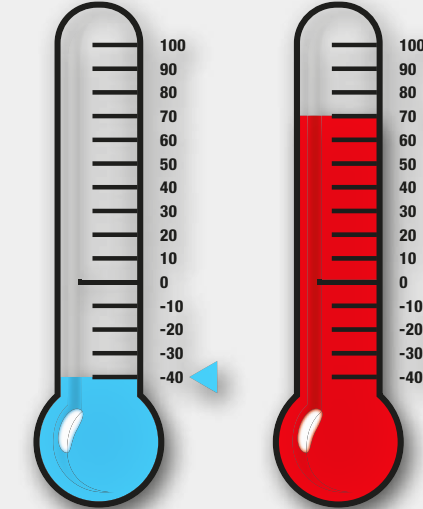
Ecolab certification

Devices that are designed for use in areas of industrial hygiene are highly exposed to cleaning processes. Ecolab is a leading manufacturer of cleaning agents, and in its function as independent body, certifies and implements resistance tests, whereby industrial automation products are exposed to cleaning processes.



High and low temperatures

The EZ-BEAM family operates under extreme temperature conditions: temperatures go as low as -40° and up to +70° C with shocked temperature.



Chemically Resistant

Chemical-Resistant sensor models are protected with a PFA chemical-resistant jacket. The LEDs are visible through the translucent PFA cover.

