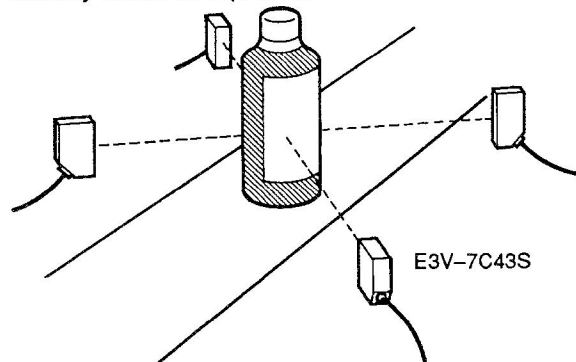


54 Bottle Label Detection

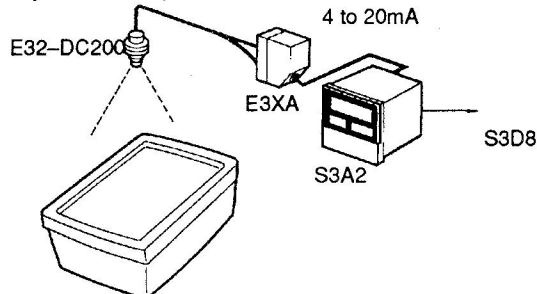
Two sets of transmission type sensors are set at right angles to the bottles' direction of travel. This can accurately detect label presence.



Detection Subject: Bottle Label
Internal Amp Proximity Switch E3V-7C43S

55 Margarine Tub Lid Tightness Detection

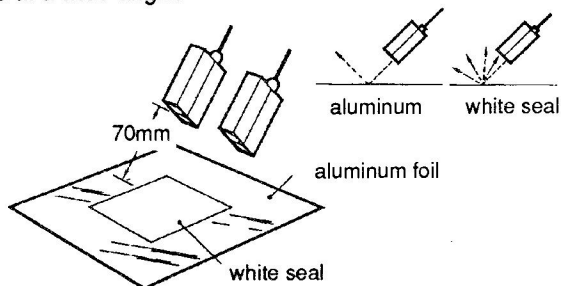
An analog sensor is used to detect the amount of reflected light from the tub's lid to confirm that it is correctly fitted on top of the tub.



Detection Subject: Margarine Tub Lid
Fiber Unit E32-DC200
Amp Unit E3XA-CC4A
Linear Sensor Controller S3A2

56 Seal Location Inspection

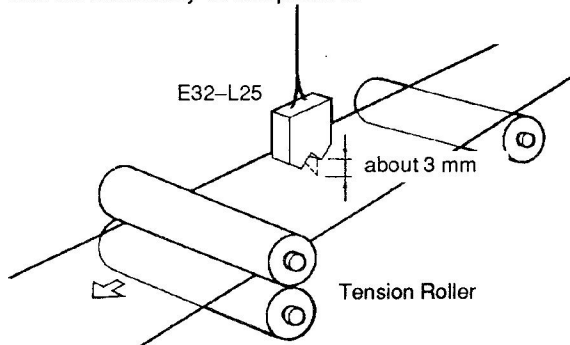
Detects the white colored seal on the aluminum foil. The reflective index of both the foil and the white seal is quite large so discrimination is difficult. By placing the sensor at an angle the light reflected from the seal is at a wide angle.



Detection Subject: Seal
Separate Amp Photoelectric Switch E3C-VS7R
Amp Unit E3C-JC4P

57 Transparent Film Detection

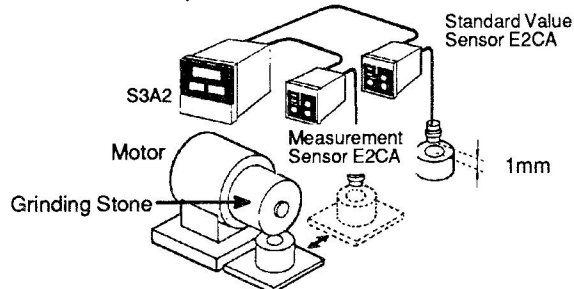
With the use of a wafer sensor, detection of transparent film (which is difficult with ordinary fiber sensors) can be accurately accomplished.



Detection Subject: Transparent Film
Fiber Unit E32-L25A
Amp Unit E3XR-CE4

58 Grinding Amount Detection

This system uses a standard reference sensor and detection sensor in conjunction to prevent temperature and voltage drift. Accuracy is within ± 0.02 mm and it can be inspected on-line.



Detection Subject: Drill Chuck (steel)
Linear Proximity Switch E2CA-X2A
Amp Unit E2CA-AL4D
Linear Sensor Controller S3A2