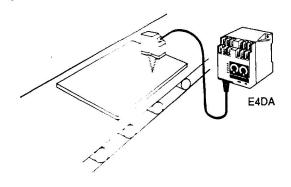
16 Glass Thickness Measurement

The measurement of the thickness of glass (and other transparent objects can be performed without difficulty.



Ultrasonic Variation Sensor

E4DA

17 Rubber Roller Bias Detection Black rubber can accurately be detected.

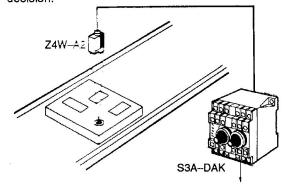
E4DA

Ultrasonic Variation Sensor

E4DA

18 One-Piece Product Inspection

The condition of the screw taps can be detected and the analog output sent to the controller for OK/NG decision.

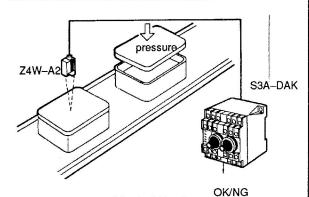


Detection Subject: Screw Taps

Laser Variation Sensor Z4W-A2 Linear Sensor Controller S3A-DAK OK/NG Signal

19 Pressure Process Judgement

After pressure has been applied, the height is measure and the OK/NG decision is made.

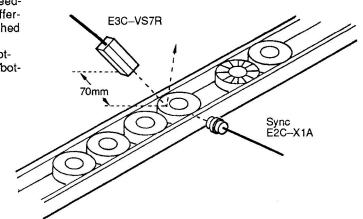


Detection Subject: Molded Product Laser Variation Sensor Z4W-A2

Laser Variation Sensor Z4W-A2 Linear Sensor Controller S3A-DAK

20 Nut (Top/Bottom) Judgement

Nut top/bottom detection, as they come form the feeder, has been automated. The process uses the difference in the amount of light reflected from the polished top surface of the nut in comparison to the bottom which is dull and still has tooling marks. On the bottom surface reflected light is detected and the top/bottom decision made.



Detection Subject: Nuts (steel, silver colored)

Photoelectric Switch E3C-VS7R Amp Unit E3C-A

Proximity Switch E2C—X1A (sync) Amp Unit E2C—AK4A