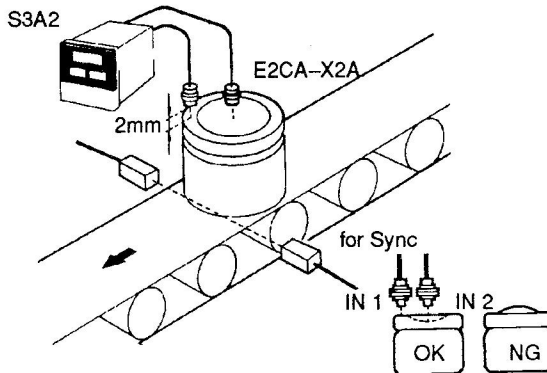


25 Product's Vacuum Status

The process has been automated through the use of a linear proximity sensor, therefore visual confirmation is no longer necessary.

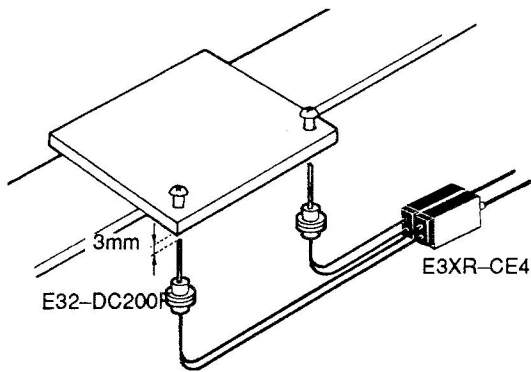


Detection subject: Juice Cap (steel, red color)
 Linear Proximity Sensor E2CA-X2A
 Linear Sensor Controller S3A2

OK: IN 1 is greater than IN 2
 NG: IN is less than or equal to IN 2

26 Screw Presence Detection (Free Flow Line)

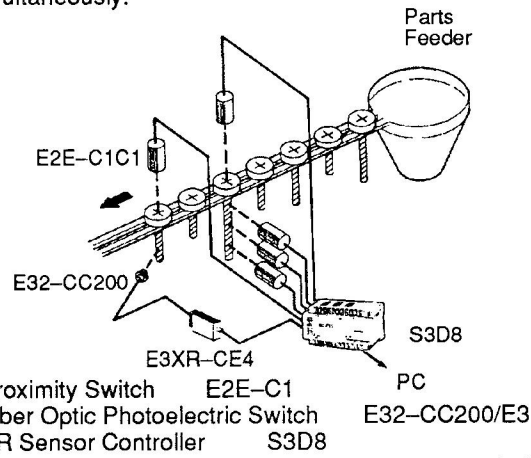
The line is stopped if screws are missing.



Fiber Unit: E32-DC200F
 Amp Unit: E3XR

27 Screw Length and Tap Detection

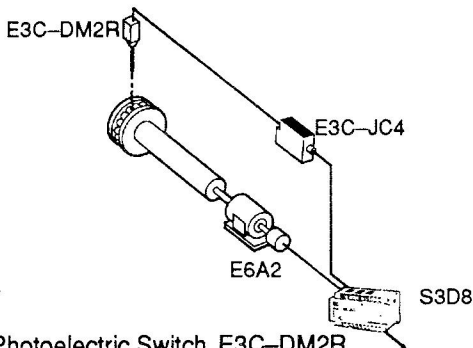
The screw's length is detected by a proximity switch and its tap with a fiber optic photoelectric switch simultaneously.



Proximity Switch E2E-C1
 Fiber Optic Photoelectric Switch E32-CC200/E3
 XR Sensor Controller S3D8

28 Hub Bearing Inspection

One revolution of the bearing is detected with a rotary encoder. The separated amp photoelectric switch counts the number of bearing inside the bicycle pedal hub.



Photoelectric Switch E3C-DM2R
 Amp Unit E3C-JC4
 Rotary Encoder E6A2

29 Moving Table Position Detection

The two photo micro-sensors detect the position and direction of the table through phase sliding using the equidistant slits.

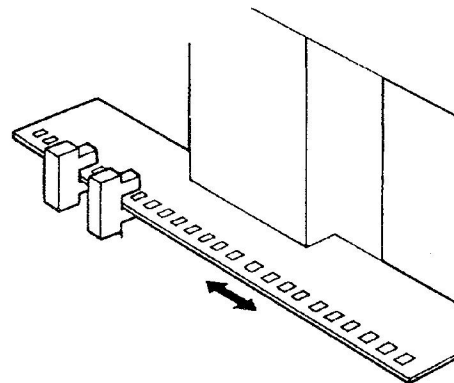


Photo Micro-sensor EE-SX670/470