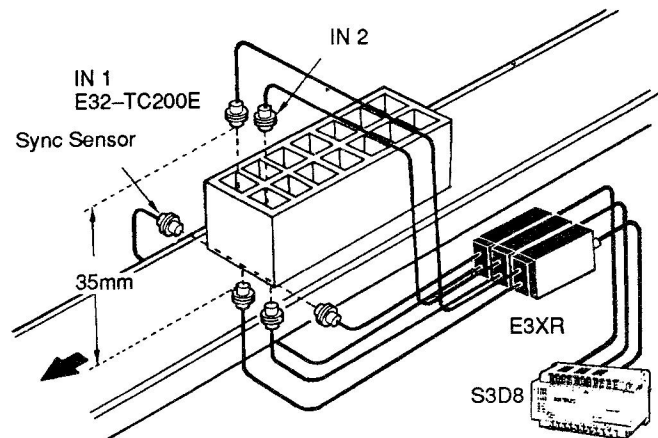


Transportation and others

21 Confirmation of Automated Connector Pin Insertion

When the synched input is ON and IN 1 or IN 2 is also ON the NG decision is made.

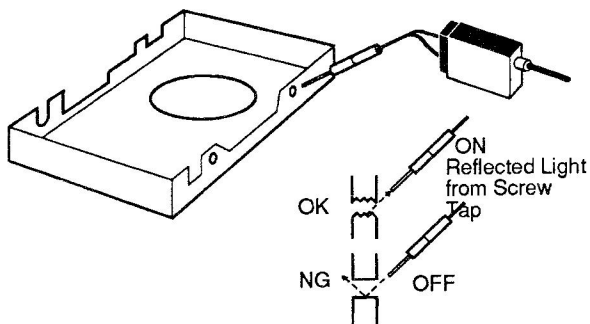


Detection Subject: Connector Pins (phosphorus bronze, silver color, flat)

Fiber Optic Photoelectric Switch E32-TC200E/E3XR
Sensor Controller S3D8

22 Tap Thread Detection

Detects whether the tap thread of aluminum die cast parts is correct or not. By setting the E32-D33 sensor at an angle extremely small tap threads can be accurately detected.

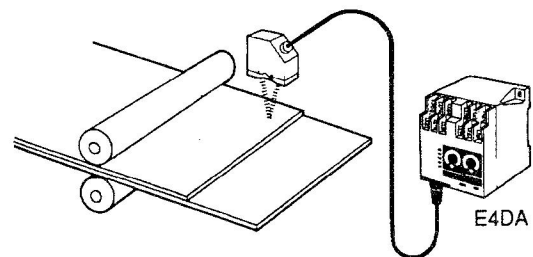


Fiber Unit
Amp Unit

E32-D33
E3XR-CE4

23 Bright Metal Plates Overlapping Detection

Detection is achieved with an ultrasonic sensor therefore the bright sheen of the plates does not affect detection.

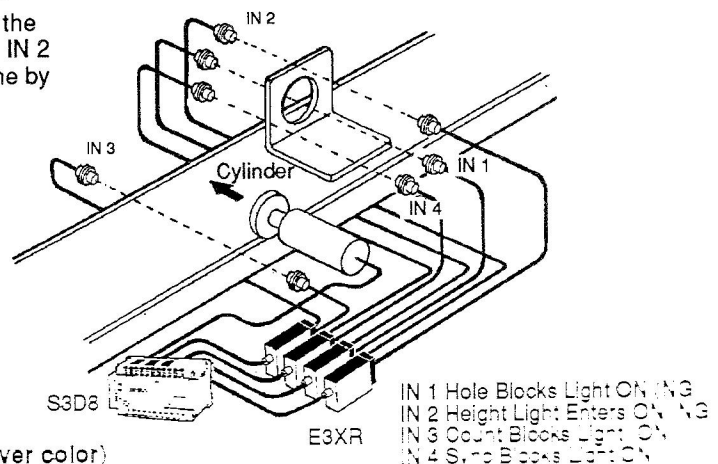


Ultrasonic Variation Sensor

E4DA

24 Work Height and Hole Detection

The inspection process has been automated with the use of the S3D8. IN 1 detects hole presence and IN 2 detects the height with NG ones pushed off the line by the Cylinder.



Detective Subject: Automobile Parts (steel, silver color)

Fiber Optic Photoelectric Switch E32-TC200E/E3XR
Sensor Controller S3D8

IN 1 Hole Blocks Light ON/NG
IN 2 Height Light: Enters ON/NG
IN 3 Count Blocks Light ON
IN 4 Sync Blocks Light ON