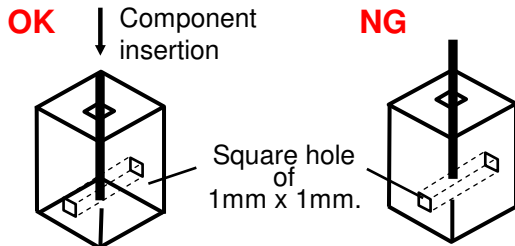




Detecting component through space of 1mm x 1mm.

OUTLINE / PREVIOUS



OK Component insertion
Square hole is clogged when component is inserted all the way in.

NG
Square hole is through when component is not inserted firmly.

Customer: Parts auto assemble machine manufacturer

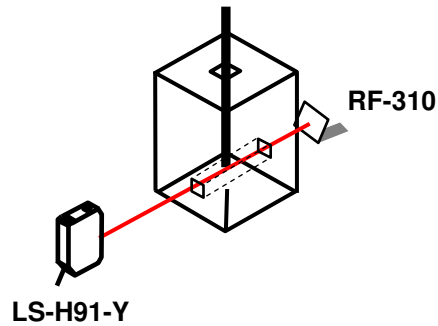
Machinery: Parts feeder and Small parts assemble machine

In the insertion process after taking component out of parts feeder.

PROBLEM

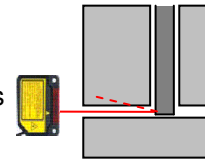
Sensor is needed which enables sensing through peephole in the side (square millimeters) whether component is inserted all the way in.

SOLUTION



LS-H91-Y

✓ **LS-H21** cannot receive reflection light because receipt area is at the head of sensor.



LS-H21

MODEL / HOW TO

LS-H91-Y LS-401 RF-310

Set retroreflective type **LS-H91-Y** to 200mm from object. Reflective light is received even through a narrow space because emitter and receiver operates coaxially. **LS-H21** cannot detect as above mentioned. Detecting is unstable even **LS-H21** is turned sideways.

BENEFIT 1

Coaxial retroreflective type

LS-H91 is coaxial retroreflective type laser sensor, which receives reflective light through as narrow as 1mm square and detects stably.

BENEFIT 2

Model without reflector available

LS-H91 is sold with accessory reflector **RF-330**, but when installation space is limited as above application, optional smaller reflector **RF-310** is suitable. Model number **LS-H91-Y** without reflector contributes to reduce additional expenses.

BENEFIT 3

