



INSPEKTO
AUTONOMOUS MACHINE VISION

Electrical Connectors - Presence / Absence / Positioning

Inspection Use Case

Application

Presence / Absence / Positioning

Inspection objective and potential defect description

Ensure the existence and correct positioning of sub-components (electrical connectors) before robot pickup for automatic assembly in the injector body.

Possible Defects

- Absence of sub-component / missing part
- Bent sub-component
- Broken sub-component
- Wrong positioning - orientation, location

Special inspection challenges

24 sub-components in 1 shot, each of them can have a different defect type.

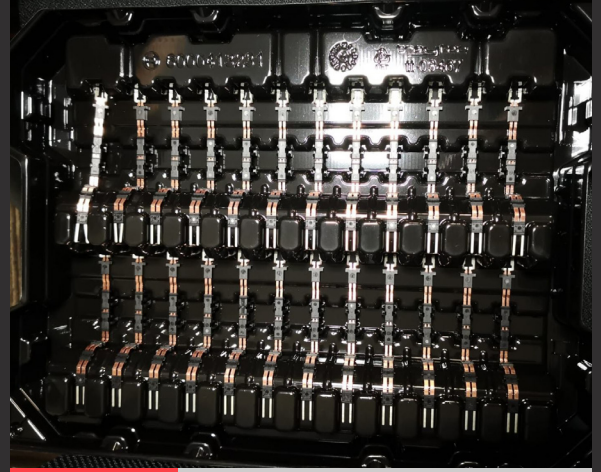
Production Environment

Line handling method

Conveyor belt

Production speed

60 ppm



Part Description

Name

Injector electrical connectors plate

Materials

Metal, Plastic, PCB

Part Size

35cm x 45cm fixture (24 pieces)

Production process

Automatic robot pick-up for Assembly

Industry

Automotive

Using INSPEKTO S70

