



INSPEKTO
AUTONOMOUS MACHINE VISION

Gear Box Housing - Structure / Casting Check

Inspection Use Case

Application

Structure/casting defect inspection

Inspection Objective

Following casting and machining processes, the gear box housing should be visually inspected in order to ensure no defects occurred during the process- the part is moved by robot for visual inspection (End of line inspection).

Possible Defects

Structural defects including dents, scratches, and casting issues.

Permitted defects

Texture changes

Special inspection challenges

High 3D differences within the object , part includes two concentric rings that both require inspection.

Production Environment

Line handling method

Robotic placement for visual inspection

Inspection triggering method

Automatic

PLC type and protocol

I/O

Allowed inspection cycle time

3 seconds / part



Part Description

Name

Gear Box Housing

Materials

Metal

Production process

Casting

Industry

Automotive

Using INSPEKTO S70

