



INSPEKTO
AUTONOMOUS MACHINE VISION

Cover Clips - Injection Molding inspection

Inspection Use Case

Application

Plastic injection molding inspection

Inspection objective and potential defect description

Inspection for multiple defects that are common to plastic injection molding such as marks, dents, burn marks etc.

Possible defects

1. Sink marks/pores/dents that form when the outer plastic shell hardens before the internal plastic has had an opportunity to cool
2. Short shots caused when there is an inadequate amount of plastic material to fill the mold - main issue in this use case
3. Burn marks caused by trapped compressed air during the molding process
4. Flash marks, which is the excess plastic that extends from the end of the molded part

Permitted defects

Minor color changes. Granularity change on some of the clips causes light reflection

Special inspection challenges

Mold changes over time.

Production Environment

Line handling method

Conveyor Belt

Inspection triggering method

Automatic

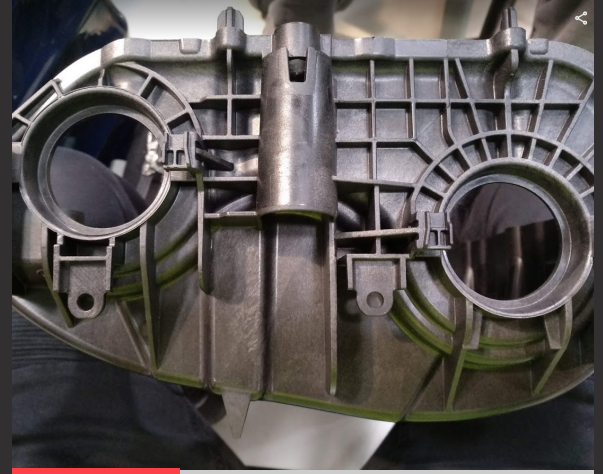
PLC type and protocol

Profinet

Inspection cycle time

40 ppm

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Part Description

Name

Cover Clips

Materials

Plastic

Production process

Injection Molding

Industry

Automotive

Using INSPEKTO S70

