



**INSPEKTO**  
AUTONOMOUS MACHINE VISION

# Transparent Plastic Cover

## Inspection Use Case

### Application

**Surface inspection of shiny, reflective plastic parts**

### Inspection Objective

**Ensure quality of parts for water meters, as well as consistency in the inspections of a variety of, often, unforeseen defects.**

### Potential Defect Types

**Black spots, scratches, any small defect incl. slight 'cloudiness'  
Foreign Material**

### Min. Defect size

0.33mm @ 10cm distance W/O optical zoom (\*)

## Production Environment

### Line Handling Method

Production line conveyor belt

### Inspection Triggering Method

Self-triggering

## Inspection Results

**All defects were detected, even parts that were initially marked as OK were disqualified due to small defects detected by the INSPEKTO S70.**

The parts should be with protective tape before tests and once tested they are most likely to seem defected; there will be a need for ionizing air brush to ensure cleanliness of the part before inspection.

\*Minimal defect size depends on the vision system's distance from the inspected part.

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## Part Description

Name

**Water Meter Cover**

Materials

**Polycarbonate**

Part Size

**<15CM**

Production process

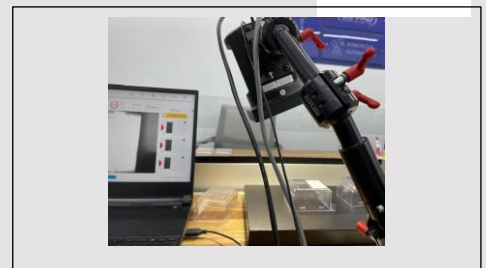
**Inline**

Industry

**Water Measuring Technology / Plastic**

## Using INSPEKTO S70

**NOK**



**OK**

