



INSPEKTO
AUTONOMOUS MACHINE VISION

Inspekto S70 Industrial Inspection Made Easy

One product – Unlimited use cases
Redefining visual inspection

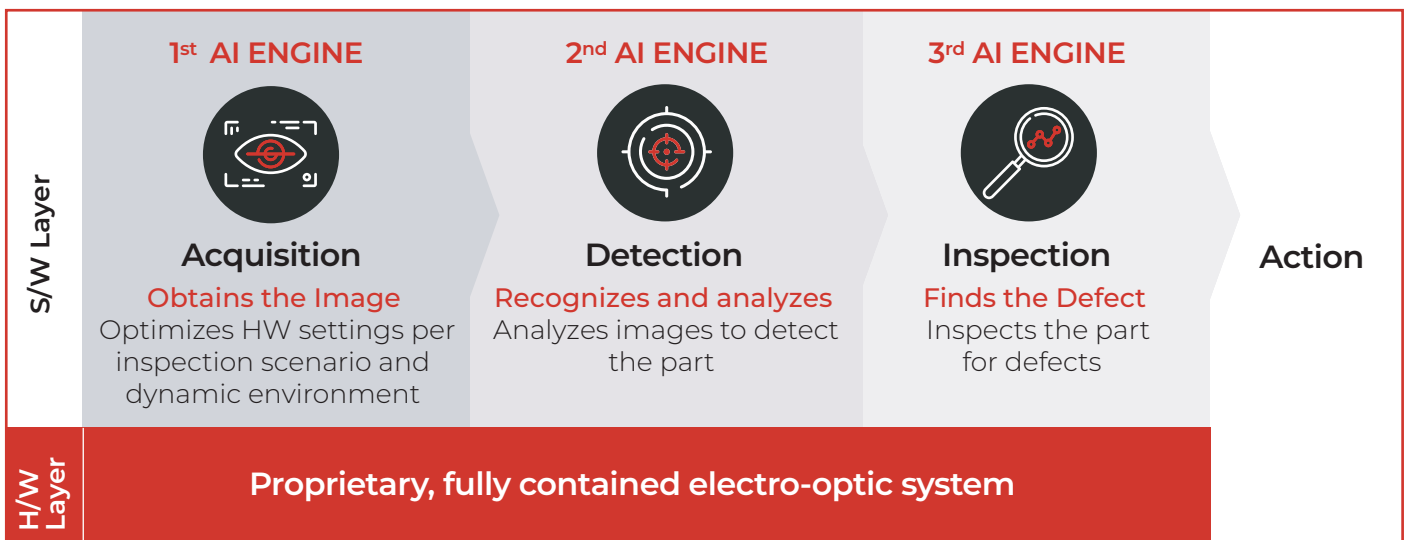




AMV-AI – a novel holistic machine vision technology

The best of both worlds:
Human-like flexible cognition coupled with machine repeatability and accuracy

INSPEKTO S70 mimics cognitive human vision with 3 synergetic AI engines driving unique Electro-Optics for quality inspection – easier than ever before



AMV-AI more than just machine vision AI

INSPEKTO S70 delivers an end-to-end AI solution

- AI span
- Image capturing
- Part recognition
- Inspection
- Deployment simplicity

AMV-AI	Other machine vision with AI
✓ End to end: from image capturing to inspection	✗ Inspection only
✓ Dynamically adjusts the electro optics system to acquire the best image (from one image)	✗ Image acquisition is pre-set and not dynamic
✓ Automatic independent detection of object	✗ External trigger
✓ Only need a small amount of OK images. No need for NOK images.	✗ Requires many OK & NOK objects
✓ No training process	✗ Requires training & development of rules for pattern matching

Defect Detection – No Prior Defect Definition Required

The AI engine recognizes the characteristics of a good part and based on this, can deduct a defected part.

- Easily inspects and makes decisions for complex sequence scenarios with multiple inspection points.
- Industrial grade inspection performance with very few good samples required.
- Eliminates the need for defected samples and images (not OK or NOK).
- No need to create defect definition rules.
- Picks up on small defects that would be missed by the human eye.
- Identifies defects on black surfaces.
- High sensitivity enables identification of defects vs. permissible variations.
- Inspects deep and complex 3D shapes.



Immediacy & simplicity!

Quick set-up from un-boxing to inspection

No machine vision or AI expertise is required; No onsite AI training needed

Requires only 20 to 30 good (OK) samples; No defected (NOK) samples needed



01

Unbox



02

Mount at location



03

Easy & quick Setup

One autonomous visual inspection system for all key production line steps

- The INSPEKTO S70 Gen.2 is an all-inclusive, pre-trained industrial QA product that brings autonomous optical inspection capabilities to your critical key production steps.
- A unique combination of an electro-optics system with Autonomous Machine Vision AI (AMV-AI™) technology.
- The INSPEKTO S70 is easily and quickly deployed, eliminating the need for a special project.
- It inspects a plenitude of use cases; no need to tailor the system to the specific use case.
- The INSPEKTO S70 supports a wide range of manufacturing processes, materials and inspection scenarios; inspects in-line and stand-alone.
- Can cover the full chain of optical inspection - incoming goods through to end of the line.

Industries

- Automotive
- Machinery
- Electronics
- Consumer goods and others...

Inspection Types

- Assembly verification
- Surface verification
- Existence / absence of components
- Alignment of components
- Integrity of parts

Handling

- Moving
- Stationary
- Robot / Cobot integrated
- Manual

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