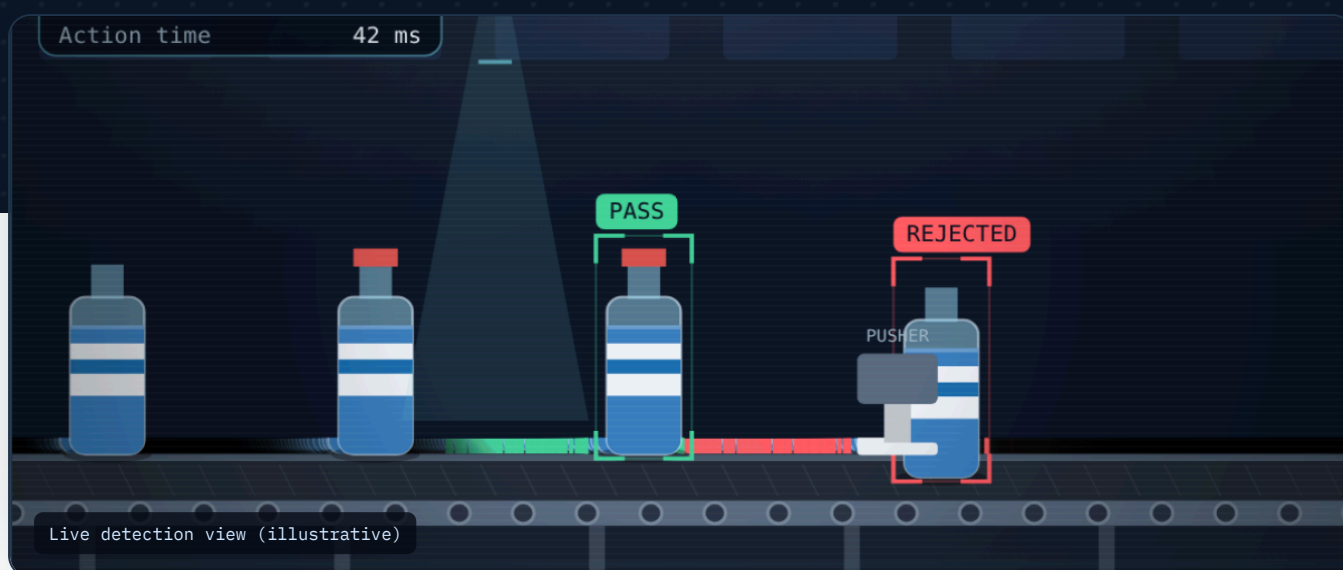


Eagle Inspect

Quality inspection & line control

Every product checked. Every defect removed.

Eagle Inspect watches your production line at full speed. It counts every unit, finds defects such as missing caps, underfill, cracks and skewed labels, reads dates, batch codes and barcodes, and signals your PLC to reject the faulty item or stop the line in milliseconds.



AT A GLANCE

Inspection 100% of units	Reaction time < 50 ms	OCR Dates · lots · codes	Integration PLC · Modbus · OPC UA
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KEY CAPABILITIES

Inspection at line speed

Every unit is checked as it moves, without slowing the line.

Acts, not just alerts

Signals PLCs, reject arms, air jets and tower lights so faulty items never ship.

Trained on your products

Defect models are trained on images of your own good and bad parts.

Full traceability

Every reading, defect and rejection is logged with image, time and batch.

● USE CASES • 24

Counting & throughput

6

01 Product counting on the line

Count every bottle, can, box or part that passes, per line and per shift.

[Food & beverage](#) · [Pharma](#) · [Industry](#)

02 Line speed and throughput

Live units per minute against target, with slowdowns flagged immediately.

[Food & beverage](#) · [Industry](#) · [Packaging](#)

03 Output vs plan

See actual output against the shift plan, hour by hour.

[Industry](#) · [Food & beverage](#) · [Automotive parts](#)

04 Items per carton

Check every carton or blister has the right number of items before sealing.

[Pharma](#) · [Food & beverage](#) · [Packaging](#)

05 Pallet and case counting

Count cases and layers on each pallet before it leaves the line.

[Packaging](#) · [Food & beverage](#) · [Industry](#)

06 Jams and pile-ups

Detect products piling up or falling over and alert before the line stops.

[Food & beverage](#) · [Packaging](#) · [Industry](#)

Defect detection

9

07 Surface scratches and dents

Find scratches, dents and marks on metal, plastic and painted surfaces.

[Automotive parts](#) · [Industry](#)

08 Cracks and breakage

Spot cracked bottles, chipped tiles and broken parts.

[Food & beverage](#) · [Industry](#) · [Packaging](#)

09 Fill level check

Verify every bottle and jar is filled to the right level.

[Food & beverage](#) · [Pharma](#)

10 Missing or loose caps

Detect caps that are missing, tilted or not fully closed.

[Food & beverage](#) · [Pharma](#) · [Packaging](#)

11 Label position and damage

Check labels are present, straight, in position and undamaged.

[Food & beverage](#) · [Pharma](#) · [Packaging](#)

12 Shape and dimensions

Measure parts and reject anything outside your tolerance.

[Automotive parts](#) · [Industry](#)

13 Color and print consistency

Compare print colors with the approved master on every unit.

[Packaging](#) · [Food & beverage](#)

14 PCB and component check

Find missing, misplaced or wrong components on circuit boards.

[Electronics](#) · [Industry](#)

15 Seal and leak check

Detect open seals, wrinkles and leaks on pouches and packs.

[Food & beverage](#) · [Pharma](#) · [Packaging](#)

OCR & traceability

4

16 Expiry date and batch OCR

Read expiry dates and batch numbers and check they are correct and legible.

[Food & beverage](#) · [Pharma](#)

17 Barcode and QR verification

Read and grade every barcode and QR code before shipping.

[Packaging](#) · [Food & beverage](#) · [Pharma](#)

18 Serial number tracking

Read engraved or printed serial numbers and log every part.

[Automotive parts](#) · [Electronics](#)

19 Label and product match

Make sure the right label is on the right product during changeovers.

[Food & beverage](#) · [Pharma](#)

Hardware actions

5

20 Automatic rejection

Trigger a pusher, air jet or diverter to remove each faulty item from the line.

[Food & beverage](#) · [Pharma](#) · [Packaging](#)

21 PLC and machine integration

Send results to your PLC over Modbus, OPC UA or digital I/O.

[Industry](#) · [Automotive parts](#) · [Electronics](#)

22 Stop the line on critical defects

Stop the line automatically when a critical defect such as glass is found.

[Food & beverage](#) · [Pharma](#)

23 Tower lights and operator alerts

Light the tower lamp and notify the line operator with the image and cause.

[Industry](#) · [Food & beverage](#) · [Automotive parts](#)

24 Quality reports and defect trends

Defects by type, line and shift to find the root cause fast.

[Industry](#) · [Food & beverage](#) · [Pharma](#)

● TECHNICAL OVERVIEW

Cameras	Industrial machine-vision cameras or high-resolution IP cameras over the line
Line speed	Inspection at full production speed; camera and lighting selected per line
Lighting	Controlled lighting for consistent defect detection
Defect models	Trained on images of your own good and defective products
OCR	Dates, batch numbers, serials, barcodes and QR codes
Integration	PLC over Modbus TCP, OPC UA or digital I/O
Actions	Reject arm, air jet, diverter, line stop, tower light
Traceability	Every result logged with image, time, line and batch
Dashboard	Arabic and English, per line and shift
Deployment	On-premise next to the line

● INDUSTRIES

Factories & warehouses

Agriculture & livestock

See it running on your own cameras.

Book a live demo and we will build the demo plan around your site and the problem you want solved.

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● HOW IT WORKS

01

Connect

Add your NVR or DVR, or an RTSP link. Cameras are pulled in automatically.

02

Draw zones

Mark the areas that matter on each camera image.

03

Set alerts

Choose who is notified, when and for which events.

04

Decide with data

Daily reports per branch, camera and use case.