AIS
VISION SYSTEMS

AIS Hopper

360° inspection of the cap, mouth, neck and fill level using machine vision and deep learning. Analyses 100 % of production, at up to 30,000 units/hour depending on format and inspections.



- 360° inspection, without orienting the container
- Deep learning developed by AIS Group
- Detailed records for each production run

From closure to fill level

Checks that the cap is present, intact and correctly positioned, inspects the tamper band and level, and reads container markings. For glass and PET, from 0.33 L to large containers holding several litres.



Cap defects



Tilted cap



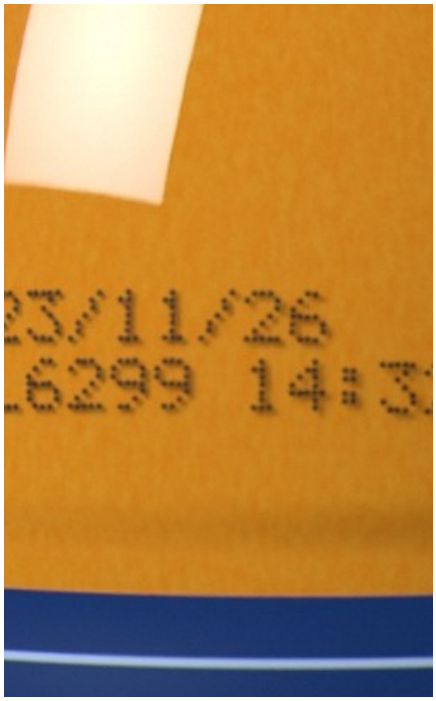
Tamper-band integrity



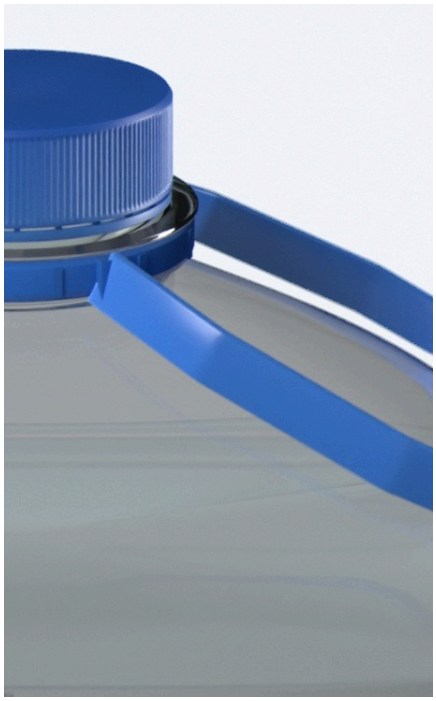
Tethered cap



Fill level



Batch presence and reading



Handle presence and orientation

Compact, stainless steel and adapted to the format



The inspection head above the conveyor, with the control screen beside it.

Equipment

Construction	Stainless steel, compact and ergonomic design
Height	Automatic adjustment to suit the product reference
Cameras	Three high-resolution colour cameras for side inspection of the cap; optional overhead camera for the mouth
Lighting	Dome isolates external light

Software

Settings	Programming-free setup using examples with Rosepetal
Data	Cloud backup of recipes, images and statistics



Three live side views of the cap and the result for each unit.

Options

- Progressive or impact rejection
- Rejected-product accumulation area
- Conveyors
- Product centring device
- Label inspection and reading of laser or ink markings
- TrazAIS: traceability and serialisation

Send us samples

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