



52%



Data

Tracking line A

Totals

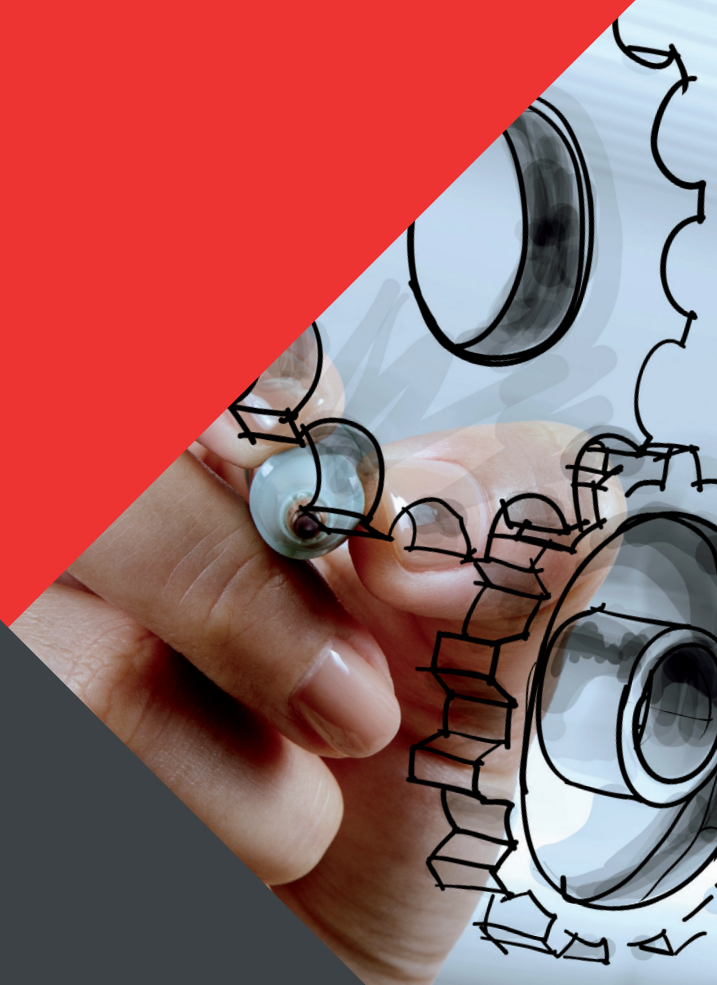
Rejected

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C

**SACMI****Wine & Spirits****Your tradition, our technology****LABEL-CHECK 360**

In-line system for labelling quality control



LABEL-CHECK 360

IN-LINE SYSTEM FOR LABELLING OR DECORATION QUALITY CONTROL IN NON-ORIENTED BOTTLES AND CONTAINERS

LABEL-CHECK 360 Automatic Vision System for Quality Control of labelling, applies an innovative **3D** technology that allows perfect reconstruction and analysis of the perimeter of not oriented containers and bottles and having any shape.

The images are acquired by 4 colour cameras having a very high resolution (5M pixels) and then processed by a software developed by SACMI R & D centre, able to compensate both optical and perspective distortions and thus realizing a perfect reconstruction of the **3D** object in a 2D image.

TECHNICAL FEATURES

INSTALLATION

LABEL-CHECK 360 can be installed on any new or existing line

INSPECTABLE BOTTLE SHAPES

Circular or produced by a rotational solid. By means of a fifth camera, it is possible to inspect with the maximum precision bottles or containers having rectangular, oval or polygonal shapes.

SELF-LEARNING

LABEL-CHECK 360 system is equipped with a self-learning procedure to automatically calculate the optimal inspection parameters

INSPECTED FEATURES

LABEL-CHECK 360 is able to perform a very accurate Quality Control identifying all the deviations that don't meet the Quality criteria:

- Presence of labels
- Mixed labels
- Broken or torn labels
- Label not perfectly stuck
- Flagging labels
- Labels upside-down
- Printing errors
- Label alignment with an embossing
- Bubbles
- Wrinkles
- Label position with respect of axis and bottom of the bottle
- Slanted label
- Distance among the various labels applied on the bottle
- Matching between label and bottled product

INSPECTED FEATURES

- Presence and integrity of Lot code and expiry date
- Reading of barcode or data matrix
- Presence of the cap
- Matching between cap and bottled product
- Presence of the capsule
- Matching between capsule and bottled product



ADVANTAGES

Thanks to a continuous monitoring of the production, **LABEL-CHECK 360** improves line efficiency, zeroing the presence of products with defects. The adoption of objective inspection criteria, allows guaranteeing to the final customer a Quality Controlled and Constant, eliminating any complaints and improving, as a result, the perception of Quality and the Reputation of your Company.

4 IMAGES ACQUIRED BY 4 CAMERAS AT 90°



2D DEVELOPMENT BASED ON A 3D MODEL OF THE CONTAINER



2D IMAGE OF THE BOTTLE



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