



## **IMAGE OCR**

Date, Text & Code  
Inspection System

# Date, Text & Code Inspection System – IMAGE OCR

An inspection system for automatic date, text & code recognition.

Accuracy & flexibility ensure consistent compliance.

Ensures correct markings by verifying imprints, reduces errors and integrates seamlessly with existing systems.

High-performance camera and intelligent software detect various 2D codes and inspect up to 72,000 objects per hour.



# Benefits

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## Plausibility check

Verify the accuracy of printed dates and codes by comparing them to known ranges or patterns. Ensure that products are properly labeled and coded, reduce the risk of errors or product recalls.

## Increased efficiency

Reduce the need for manual inspection, save time and resources. Inspect every container and recognize problems immediately.

## Cost-effective

Utilize BDE or similar interfaces, reduce the costs associated with manual data entry and processing, while increasing accuracy and efficiency .



# Benefits

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## Flexibility

Detect all kinds of 2D codes on a vast variety of products.

## Integration with other systems

Automate the documentation process.

## Track and Trace capabilities

Utilize multiple inspection points to track and trace your products throughout the packing process. Get verifiable data to comply with regulatory requirements.





# Application

## Vast variety of products

E.G.

- Labels, plates, cups
- Bottles, jars , beverage/food cans, tubes
- Cartridges, cartons, boxes, packages



# Detection

## Presence, Completeness, Legibility, Correctness

- Text
  - Latin-, Arabic-, Chinese- & Japanese Letters
- 2D Codes
  - E.g. QR, Data Matrix, Aztec, Maxi, Dot, Han Xin, Grid Matrix
- Date



# Process

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- The high-performing camera and dedicated illumination take an image of the printed code.
- The image is processed by software that detects and separates the individual digits in the code.
- The separated digits are compared to the set values that have been programmed into the system.
- If there are any errors or discrepancies between the printed code and the set values, the system rejects the product. Or if it is a serial issue, sends an alert via email or data interface, such as a BDE.
- The alert can be reviewed by a human operator, who can then take action to correct the error or investigate the issue further.





# Features

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Up to **72,000** container per hour

Integrated tracking

Operation & visualisation via

- 21" display

Easy teach-in

Advanced statistics

Connectivity with other BBULL systems

Multi-line concept

Cascadable- & expandable

Remote maintenance

Compact design



# Expansions

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## Label Inspection

- **IMAGE-360c**

## Empty Can Inspection

- **IMAGE-ECI**

## Cap Inspection

- **MAS**
- **CIS**

## Fill Level Inspection

- **ALPHA-X**

## Recommended Rejection System

- **PUSHER** – Pneumatic/Servo rejection system
- **CRATE PUSER** – Pneumatic/Servo rejection system
- **FLEX LINER**– Pneumatic rejection system
- **BOS** – Servo-driven rejection system
- **VARIOCURVE** – Servo-driven rejection system





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## **Take the Next Step!**

### **Request Further Information Today**

Contact us to learn more about our system and how it can help your business succeed. Our team of experts is ready to answer any questions and provide you with a personalized solution.

Don't wait, make a call or send an email today and learn about the difference our system can make!

