



Alpha MAS
Cap & Leakage
Inspection System

Cap & Leakage Inspection System – ALPHA MAS

Designed for CO2-containing glass bottles with crown caps. It ensures **improved quality control**, increased efficiency, and compliance with industry standards.

The system can **detect pressure, leakage, and cap integrity** issues, handling up to 75,000 containers per hour.

Benefits include increased quality and customer satisfaction, reduced waste and costs, **enhanced efficiency**, and compliant and safe products. The system features intelligent inspection bridges, integrated tracking, and a multi-sensor setup.



Benefits

Increased Quality & Customer Satisfaction

Keep your customers satisfied and build a strong brand reputation by using a reliable leakage inspection system to eliminate faulty bottles and guarantee only the best products reach your customers.

Reduced Waste & Costs

The use of a leakage inspection system helps minimize waste by identifying and removing faulty bottles at an early stage, leading to cost savings and a reduced environmental footprint.



Benefits

Efficiency Boost & Early Leak Detection

A leakage inspection system detects and removes faulty bottles early, improving production flow, reducing production line stops and maximizing efficiency. Early leak detection helps prevent contamination of the product and spoilage on the line, ensuring a high-quality product.

Compliant & Safe Products

Leakage inspection ensures compliance with industry standards and improves product safety by detecting and removing faulty bottles, ensuring a consistent and trustworthy product for consumers.



Application

Limited to CO₂-containing glass bottles with crown caps e.g.

- **Beer**
- **Carbonated/Tonic Water**
- **Carbonated Soft drinks**
- **Sarsaparilla**
- **Energy Drinks**
- **Sparkling Cider**
- **Sparkling Wine**



Detection

Pressure

- Over pressure & under pressure

Leakage

- Bottle damage
 - Glass burst in the headspace
- Damaged sealing surface
 - Small damages in the sealing area
- Missing compound mass

Cap Integrity

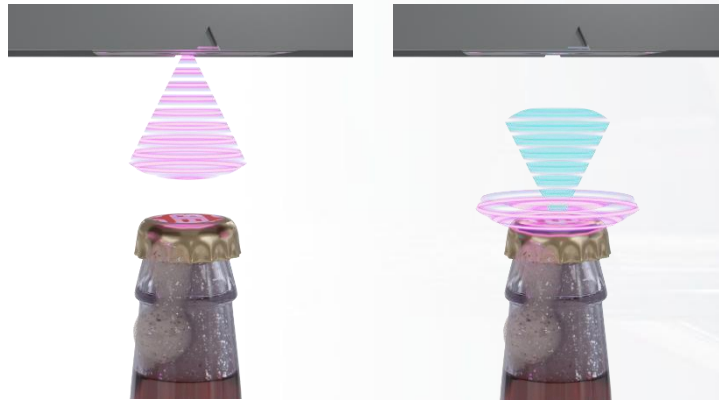
- Damage
- Deformations
- Absence



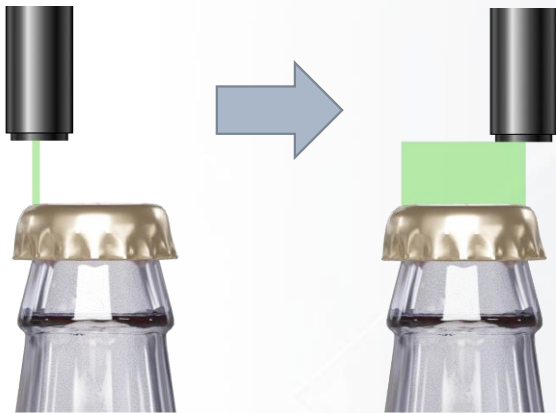
Process

Multiple inspection technologies ensuring reliable detection of leaks and damaged caps

- Sound profile via electromagnetic burst and specialised microphone



- Distance measuring via proximity sensor



Features



Up to **75,000** containers per hour
Intelligent inspection bridges

- Works even if the control unit fails

Integrated tracking

Operation & visualisation via

- 10" display, PC (LAN), Tablet or smartphone (WLAN)

Easy teach-in

Advanced statistics

Connectivity with other BBULL systems

Multi-line concept

Cascadable- & expandable

Remote maintenance

Multi sensor setup

- Electromagnetic impulse generator
- Sensitive microphone
- Proximity sensor

Very compact design

Height adjustment with spindle/servo

Expansions

Fill Level Inspection

- **Alpha X**

Label Inspection

- **IMAGE 360**
- **IMAGE 120**

Recommended Rejection System

- **BOS** – Servo rejection system
- **VARIOCURVE** – Servo 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!

