



**ALPHA PULSE**  
Leakage & Pressure  
Inspection System

# Leakage & Pressure Inspection System – ALPHA PULSE

Focusing on productivity, accuracy, and speed, and offering a cost-efficient solution that is easy to handle.

This system provides early detection of leaks or missing pressure and ensures quality assurance with non-destructive measurements.

The system offers real-time feedback, easy integration, and scalability for up to 90,000 containers per hour. It is suitable for flexible containers with CO2 or LN2 injection, such as beverage cans and PET bottles.



# Benefits

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## Early detection

Receive valuable data on your products internal pressure. Detect even the smallest leaks or weak spots, and address the issue before it becomes a larger problem.

## Quality assurance

Ensure that your products meet the highest standards of quality and safety. Catch any defects early, to avoid costly recalls and maintain customer trust in your brand.

## Non-destructive

Use a gentle and non-destructive measuring, and receive analogue data on internal pressure. Reduce waste and keep your production line running smoothly.



# Benefits

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## Real-time feedback

Receive real-time feedback on the production process, allowing you to make adjustments, schedule preventive maintenance and optimize your production line for maximum efficiency.

## Easy integration

Reduce line integration expenses by investing in an easy to setup or retrofit system, requiring minimal space and line adjustments. The included single sided guiding guarantees precise measurements.

## Scalability

Get enabled to speed up you production without creating a bottleneck up to 90,000 container per hour. Add multiple inspections to the system like fill level or cap inspection.



# Application

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## For flexible containers with CO<sub>2</sub> or LN<sub>2</sub> injection

- Beverage Cans
- PET Bottles



# Detection

## Insufficient internal presser

- Leakage
- Missing/insufficient CO<sub>2</sub>
- Missing/insufficient LN<sub>2</sub>



# Process

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Our innovative leakage inspection system uses a probe to gently tap the container, recording the speed of acceleration and deceleration upon impact.

This data provides valuable insight into the container's internal pressure, allowing the detection of small leaks and insufficient pressure.

Adjustable values guarantee maximum flexibility on the range allowed pressure deviation.

The provided data helps locate issues and schedule preventive maintenance.



# Features

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Up to **90,000** 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

Very compact design

Height adjustment with spindle/servo



# Expansions

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## Fill Level Inspection

- **ALPHA-X**

## Cap Inspection

- **CIS**

## Recommended Rejection System

- **PUSHER** – Pneumatic/Servo rejection system
- **FLEX LINER** – Pneumatic 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!

