



**ALPHA VKX**  
Full Crate  
Inspection System

# Full Crate Inspection System – ALPHA VKX

Accuracy, reliability, high safety standards, low costs, flexibility, and easy handling.

This system ensures that every shipped pack is loaded correctly, improving your reputation and reducing waste and production costs.

The system offers an automated inspection process, increased efficiency, cost savings, and enhanced safety with a low-energy beam, adjustable measuring distance, and automated standby.

This versatile system can inspect up to 10,000 crates per hour and is compatible with a wide variety of container types, shapes, and materials. It provides data and statistics on your packing and filling processes, ensuring greater peace of mind and product quality.



# Benefits

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## Improved quality & reliability

An automated inspection process guarantees a reduced risk of short shipment and improves your reputation.

## Increased efficiency & cost savings

An automated end of line inspection helps you detect problems quickly and reduce costs for manual labour.

## Enhanced safety

With a low energy beam, adjustable measure distance, & automated standby this system minimizes the risks to a maximum.



# Benefits

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## Versatility

With a capability of inspecting 10,000 crates an hour and an adjustable measuring distance, this system provides maximum flexibility to fit your needs.

## Data gathering & statistics

By inspecting every crate, this system provides informative data about your packing, filling process and your actual production efficiency.

## Greater peace of mind

Our system provides customers with confidence in their product quality, reducing stress and ensuring peace of mind.



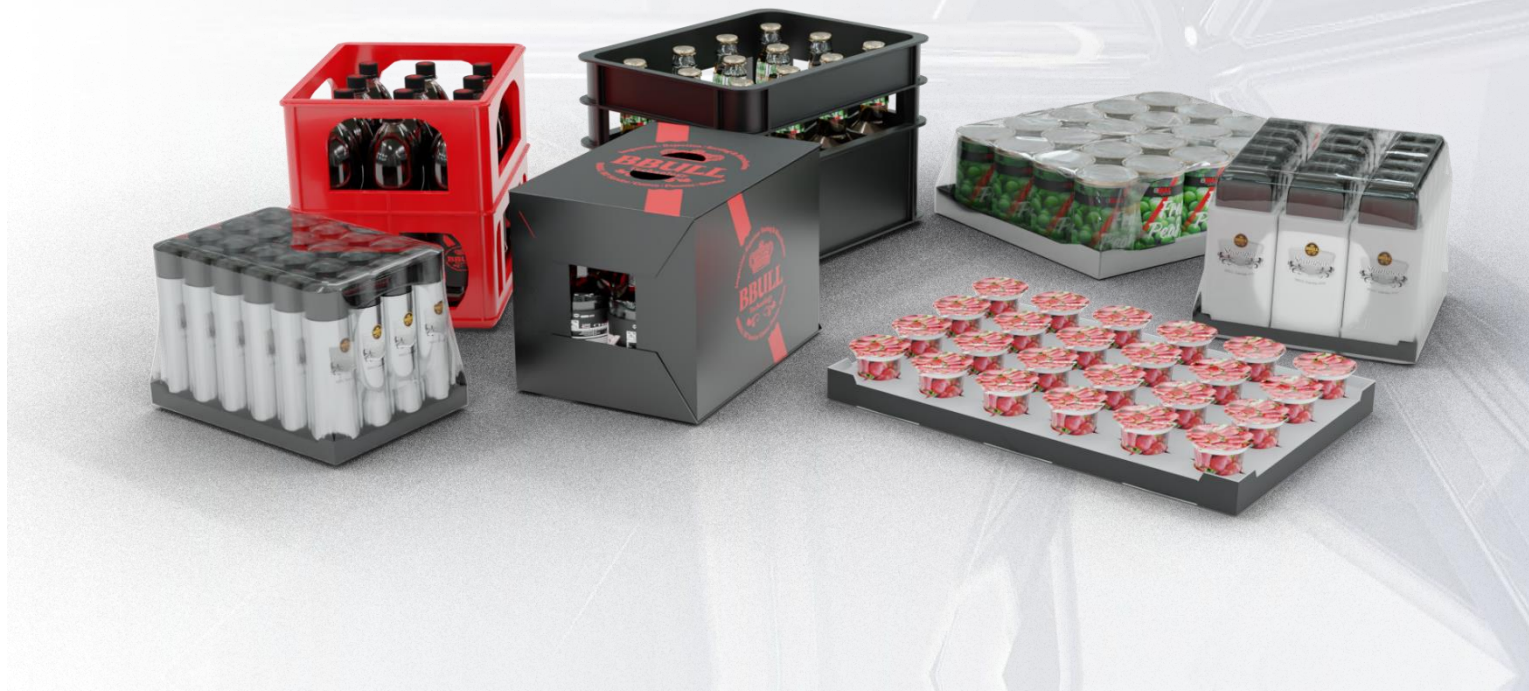
# Application

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## Vast variety of products independent of container type, shape and material

E.G.

- Cartons, boxes, trays or packages
  - Beverage & food cans, tubes, or other similar containers
  - Bottles, jars, or other glass or plastic containers
  - Cartridges or other specialized containers



# Detection

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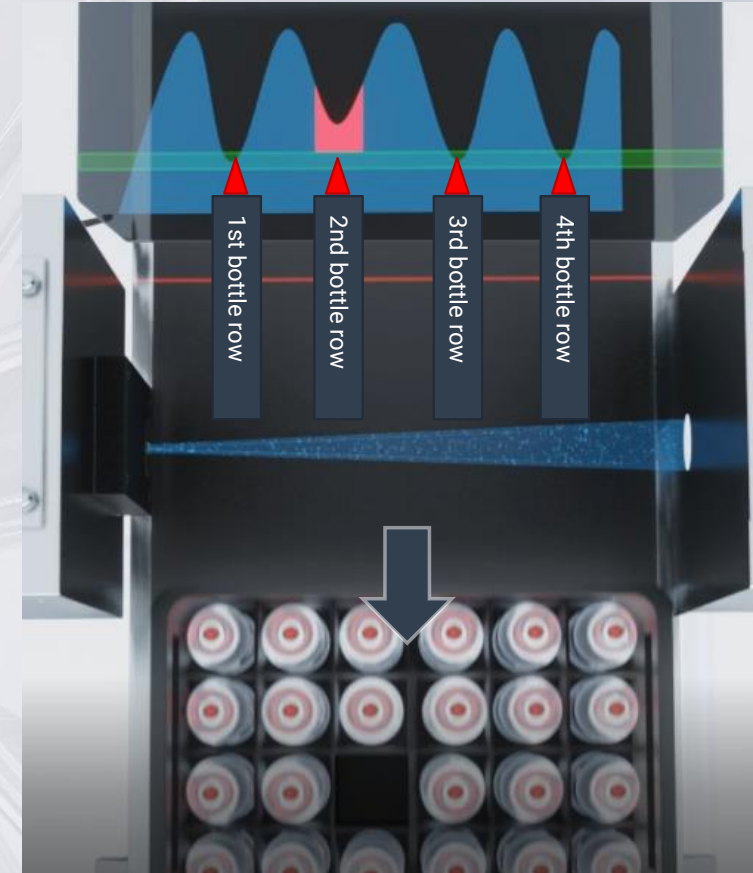
## Full crate verification

- Missing containers
- Incorrectly placed containers
- Insufficient filled containers



# Process

- The crate is scanned by a weak x-ray beam while moving through the inspection.
- The amount of energy reaching the detector gets lower when material is scanned.
- This indicates if “enough” product was in the line of measurement compared to the set values.
- The software identifies any missing or significantly underfilled containers.
- If an issue is detected, the pack/crate is marked for rejection and removed from the production line.
- The results is counted and provided as statistic.



# Features

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Up to **10,000** 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

Safety Measures

- Low power beam
- Automatic deactivation
- Optional shielding

Very compact design

Height adjustment with spindle/servo



# Expansions

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Hot glue Inspection

- **IMAGE IR**

Code/ date inspection

- **IMAGE ORC**

Recommended Rejection System

- **CRATE PUSHER** – Pneumatic/Servo rejection system
- **FLEX SORTER** – 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!

