



**IMAGE LK**  
Empty Crate  
Inspection System

# Why you should consider an empty crate inspection.

By **automating your inspection** and sorting process for returnable crates you can reduce labour costs, improve accuracy, and ensure industry compliance.

The system can **handle up to 7,500 crates** per hour, is easy to handle and is compatible with all common returnable crates.

Small space requirements & easy set-up makes installation a breeze, **reducing downtime** to a minimum.



# Benefits

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## **Increased efficiency:**

Less downtimes on the packing device  
No slow manual repacking

## **Improved accuracy:**

High resolution cameras, specialized optics and dedicated lighting detect reliable a variety of defects

## **Reduced labor costs:**

Ensure only flawless crates are used for packing, so no expensive repacking is necessary.

## **Compliance with industry standards:**

Data driven statistics and protocols



# Application

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For all common returnable Crates independent of

- compartment type
- colours
- with or without logo





# Detection

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## Crate Damage Inspection

- damaged crate
- deformed crate
- broken handle

## Crate Interior Inspection

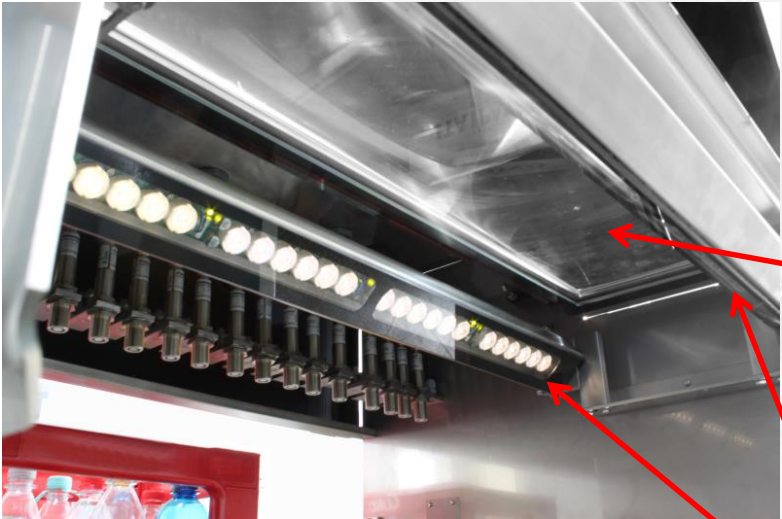
- residual objects in the crate
- jammed bottles in the compartments
- deformed compartments
- missing / broken bottom of the container
- wrong structure of compartments
- open split-box

## Crate Sorting

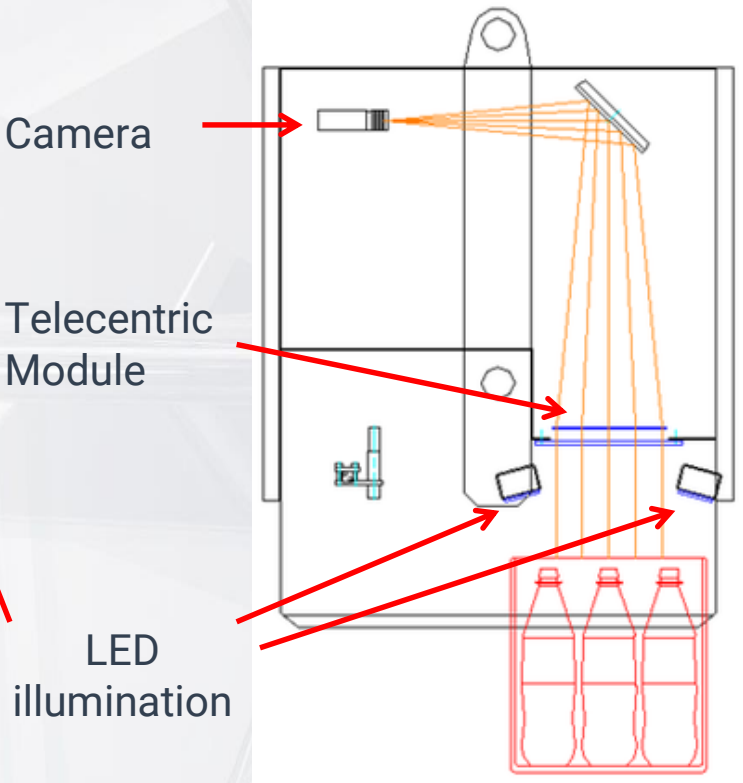
- format (L x W)
- compartment type (modular / honeycomb)
- running direction
- Colour
- Logo
- Damages
- Deformations

# Process

High resolution cameras and specialised optics, supported by dedicated illumination modules, guarantee a safe detection of damage and foreign objects.



LK bottom side



Camera

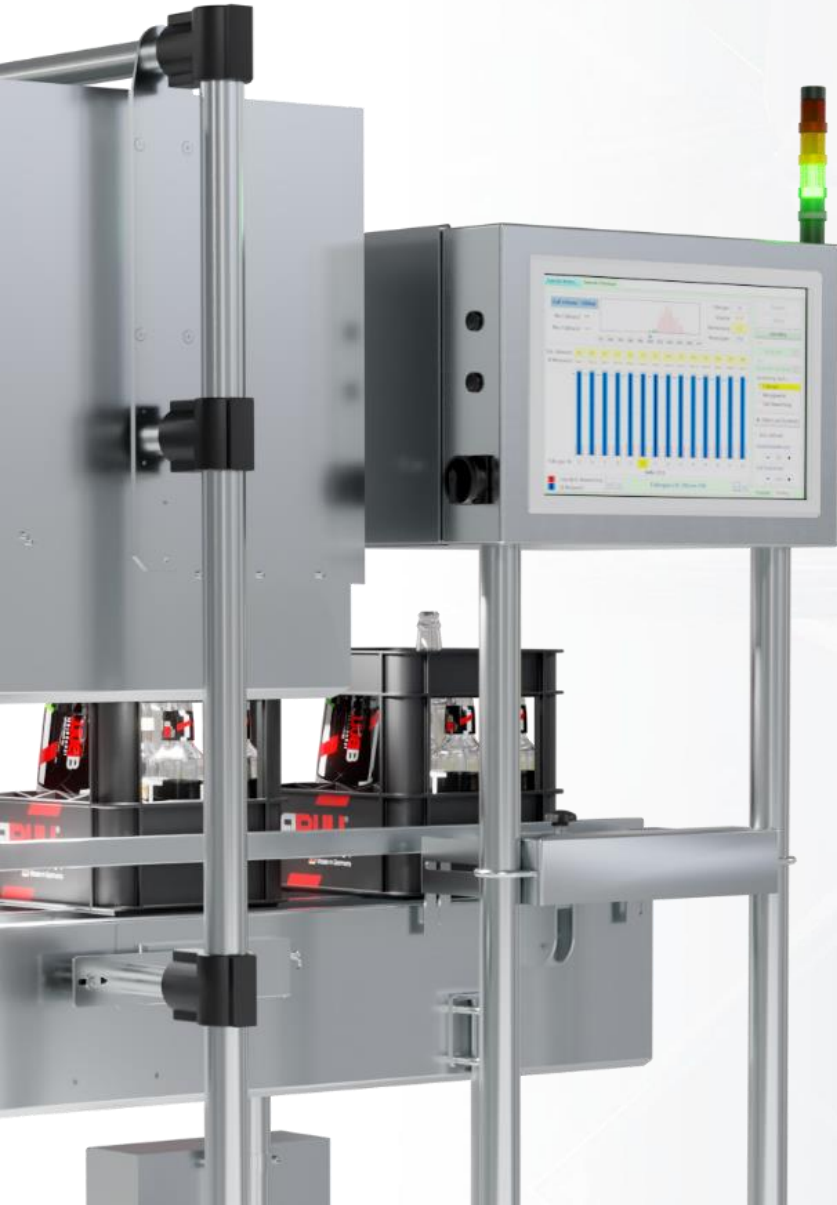
Telecentric Module

LED illumination

LK side view

# Features

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Up to **7,500** crates 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

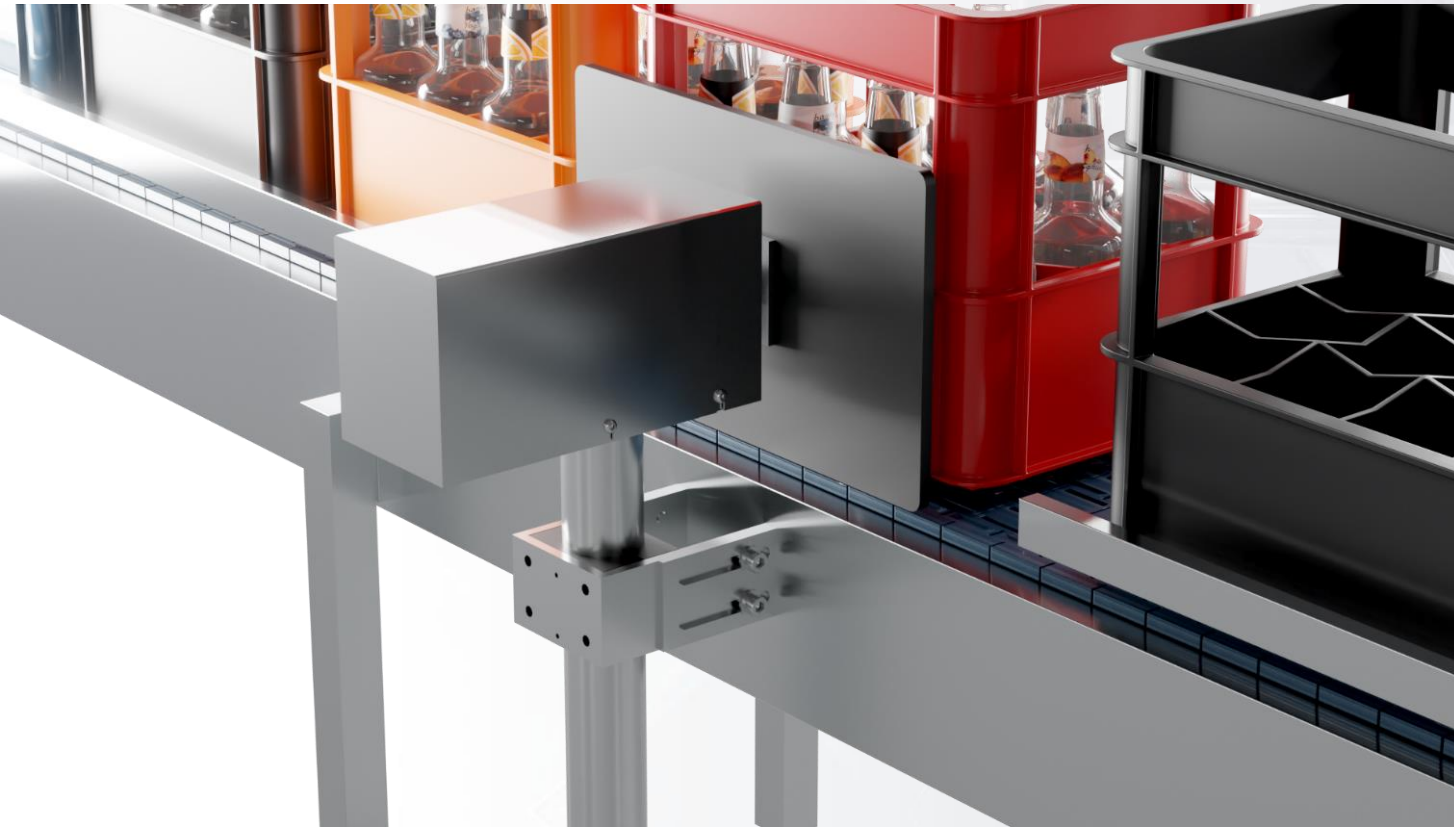
Compact design

# Expansions

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## Recommended Rejection System

- **CRATE PUSHER** – Pneumatic 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!

