



# Cantronic

Quality control for beverage cans



# Twice as safe and thrice as quick

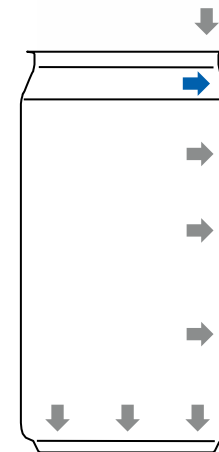


If you see 33 cans whizzing past you every second, you can lose track of what's going on. This does not apply to the Cantronic. The can inspector detects even the most minute dirt or deformation at this speed. Both the cans and the machine benefit from such thoroughness: The cans, because they reach the point of sale at their best possible quality, and the machines because there are no malfunctions caused by faulty cans.

## At a glance

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- Quality control of cans
  - Flange
  - Inner side-wall
  - Base
- Optional additional equipment:
  - Test container program
  - Inner side-wall inspection unit with additional camera unit ( ➡ )
- Rated output: up to 130,000 cans per hour
- Increase of the line efficiency



# Flange inspection



## One camera unit

**Inspects the containers for:**

- Ovality
- Incomplete flange
- Opaque dirt

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**General prerequisite:** No water drops



# Base inspection unit



## One camera unit

**Inspects the containers for:**

- Opaque dirt
- Dents or creases
- Coating faults

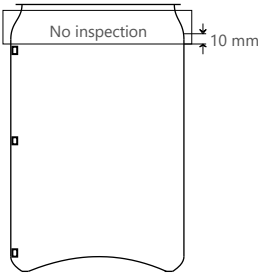
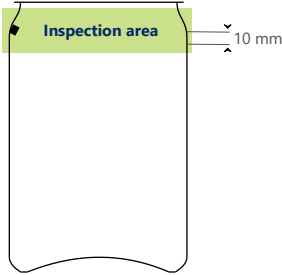
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**General prerequisite:** No water drops



# Inner side-wall inspection unit



	One camera unit	Additional camera unit for the neck area
<b>Inspection range</b>		
<b>Inspects the containers for:</b>	Opaque dirt	Opaque dirt
<b>General prerequisite:</b>	No water drops	



One camera unit



Additional camera unit for the neck area

# Empty can inspection



- Inspection
  - Standard: One camera
  - Optional: Four cameras
- Can conveyance by means of vacuum conveyor
- Rejection system
  - Ecopush: Maximum of 100,000 containers per hour



# Test container program



Faulty test containers are used to check the inspection units for proper operation.

## Technology used

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- Multifunctional test container with colour strips, for example:
  - Test container 1: Base centre, inner side-wall bottom, beading
  - Test container 2: Base border, inner side-wall bottom, beading

## Method of operation

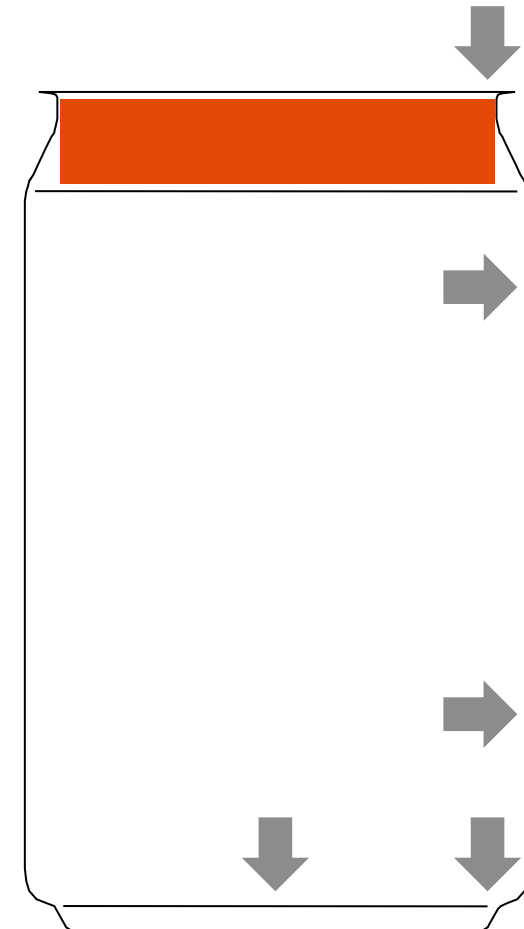
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- The program is called up automatically after a specified number of containers or time
- Results display after successful/unsuccessful through passage
- All of the results are saved automatically with the date and time

## Benefits to you

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- Very high product safety
- Simple and low-cost manufacture of the test cans



# Safety management



## Password protection with transponder

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- Production is started once an authorised person logs on
- Identification using transponder technology
- Password protection with automatic log-out function

## Rejection monitoring

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Monitoring of the rejection unit





# Remote maintenance



Remote maintenance is performed on the Cantronic via the GRS (Global Remote Service) remote service platform. If required, one person from the Kronos team of inspection experts accesses the machine using a safe internet connection in order to, for example, to

- optimise the inspection units.
- set up new container types.
- train the production/operator staff.

## Benefits to you

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- Quick access
- Available around the clock
- No travelling time



# Benefits to you



## Precise quality control

The high-resolution basic camera detects even the most minute dirt and irregularities. The additional camera unit enables you to even detect creases and dirt in the neck area which are very hard to find.

## High line efficiency

Damaged or deformed cans pose a significant safety risk to the filling line which may result in machine standstills and even machine damage. The Cantronic sorts out all those "risky" cans thus increasing the overall line efficiency by approximately 5 %.

## Remote diagnostics and maintenance

The Krones Remote Service provides you with round-the-clock expert advice and support. If required, a Krones service engineer can access your inspector via a secure data link. Parameter settings, software updates and fault analyses can thus be carried out quickly, cost-effectively and with absolute security.

## Protected access

Transponders protect the device from undesired access.

## High degree of operational reliability

The Cantronic automatically rejects fallen-over containers and features a continuous self-monitoring function. Malfunctions and faulty operations are thereby prevented from the very beginning.

## Uniform operating concept

All Krones machines are equipped with a uniform operating concept for maximum user friendliness.

### Requesting a new machine

You can easily send a request for a non-binding quotation in our Krones.shop.



# Everything from a single source



## Training sessions at the Krones Academy – trained personnel for an increased efficiency of your line

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The multifaceted offer by the Krones Academy ranges from operation, servicing and maintenance courses through to management training. We will gladly also create your individual training programme.

## Krones Lifecycle Service – Partner for Performance

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It goes without saying that also after the purchase of new machines, Krones takes care of your lines: The Krones LCS experts are always there to help you reaching your goals and turn your wishes into optimal LCS solutions.



**SOLUTIONS  
BEYOND  
TOMORROW**

