



Cantronic

Quality control for beverage cans

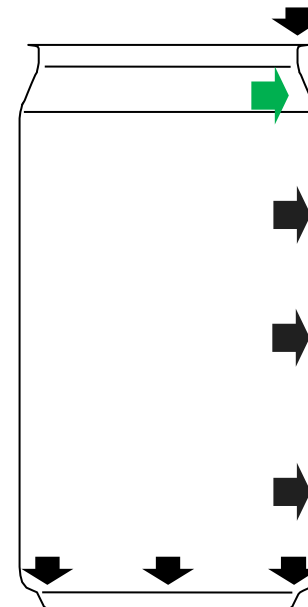


Twice as safe and thrice as quick

With 33 cans rushing past every second, it is easy to lose track of the individual can. 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 its ability to perform thorough inspections at such high speed: The cans, because they reach the point of sale at their best possible quality, and the machine because there are no malfunctions caused by faulty cans.

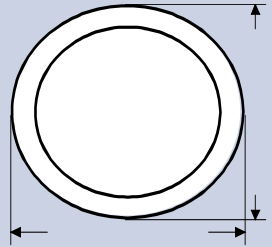
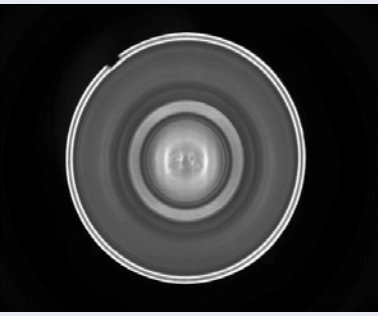
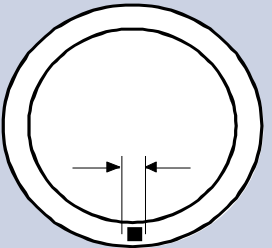
At a glance

- Quality control of cans
 - Flange
 - Inner side wall
 - Bottom
- Optional additional equipment:
 - Test container program
 - Inner side-wall inspection unit with additional camera unit (➡)
- Rated speed of 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	
General prerequisite:	No water drops	



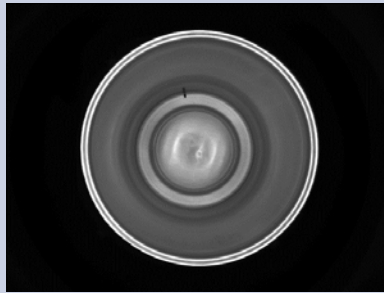


Base inspection unit

One camera unit

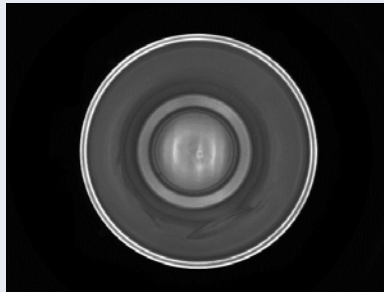
Inspects the containers for:

– Opaque dirt



Inspects the containers for:

– Dents or creases

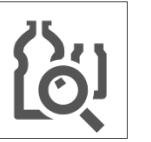


General prerequisite:

– Faulty coating

No water drops



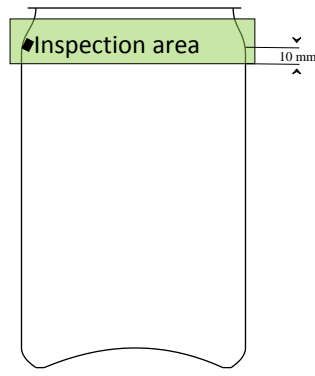
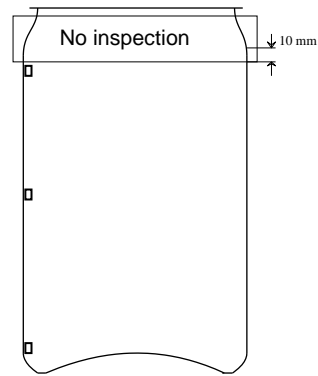


Inner side-wall inspection unit

One camera unit

Additional camera unit for the neck area

Inspection area:



Inspects the containers for:

Opaque dirt

Opaque dirt

General prerequisite:

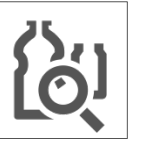
No water drops



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 systems
 - Ecopush: max. 100,000 containers per hour
 - Directpush: max. 132,000 containers per hour





Test container program

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

Technology used

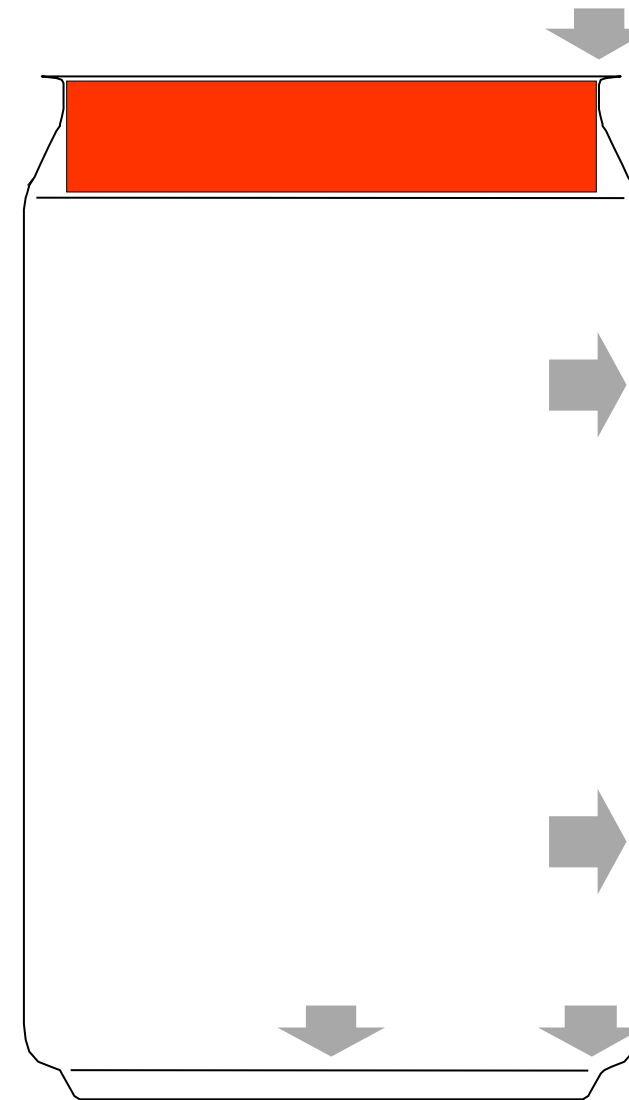
- Multifunctional test container with colour strips, for example:
 - Test container 1: Base centre, inner side-wall bottom, beading
 - Test container 2: Base border, inner side-wall bottom, beading

Method of operation

- 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

Advantages

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





Safety management

Password protection with transponder

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

Rejection monitoring

- Monitoring of the rejection unit





Remote service

Remote maintenance is performed on the Cantronic via the GRS (Global Remote Service) remote service platform. If required, a KRONES inspection expert accesses the machine via a safe internet connection in order to

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

Benefits to you

- 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%.

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.

Protected access

Transponders protect the device from undesired access.

Uniform operating concept

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

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.



Everything from a single source

Training sessions at the KRONES Academy – trained personnel increases your line efficiency

The versatile training offer ranges from operation, servicing and maintenance to management training. We will gladly also establish your individual training programme.

KRONES Lifecycle Service – partner for performance

Also after having purchased a new machine, KRONES will take care of your line; the LCS experts are always ready to consult you and translate your goals and wishes into optimal LCS solutions.





Digitalisation



Process
technology



Bottling and
packaging equipment



Intralogistics



Lifecycle
Service

We do more.

 **KRONES**