



Checkmat

Label inspectors



 **KRONES**

All-around check for maximum safety and performance



Is there a label present on the container? Is it positioned correctly? And is it the right label? The Checkmat inspection systems give you a clear answer to all of these questions. Because they carefully examine labels, dates and codes and make sure that only flawless products are put to sale.

At a glance

- Inspection of:
 - Labels
 - Dates
 - Codes
- Efficient technology thanks to the newly developed camera unit

Benefits to you

- Maximum product quality and safety thanks to the inspection of labels and dates/codes
- Increased line efficiency thanks to automatic detection and rejection of faulty material
- Efficient and easy to operate inspection technology

Overview of all options



Label inspection unit	sensor	Compact camera	camera
Presence, label inverted	X*	X	X
Presence of labels with glossy surface, label inverted		X	X
Position and slant			X
Correctness: Comparison of pattern or logo, 2D code			X
Correctness: According to ID number (OCR-B)			X
Protruding labels	X*		X
Bar code and 2D code detection	sensor	Compact camera	camera
Presence		X	X
Correctness		X	X
Code/date inspection unit	sensor	Compact camera	camera
Presence			X
Correctness (OCR-B)			X

* Technical clarification required

Label inspection unit



Technical features

- 2 cameras inspect the front and the back of the container
- Inspection range of 235 or 300 millimetres
- LED lighting
- Output: up to 90,000 containers per hour
- Application independent of the label position

Benefits to you

- No adjustment of camera and lighting units required
- High flexibility regarding the label design
- Suitable also for glossy labels



Safety management



Password protection with transponder

- Logon of an authorised person prior to start of production
- Permanent password protection with automatic log-out function
- Logon via uniform transponder technology, e. g. filler, labeller, etc.



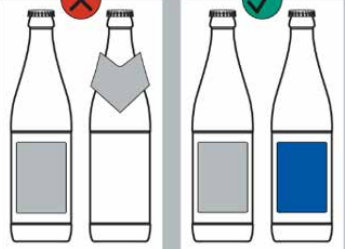
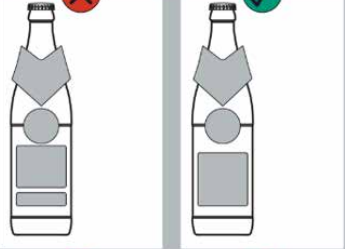
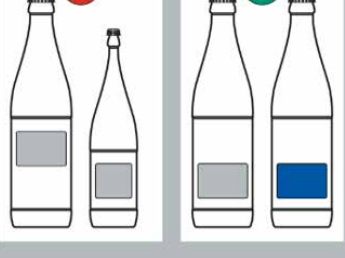
Rejection monitoring

Monitoring of the rejection unit



Self-learning function



A 	Self-learning function at: Changes of the label design
B 	Identical number of labels on the container, max. 3
C 	Identical container height and diameter

* **Prerequisite:** Basic locations provided

Operability of the Checkmat

- Self-learning function*
 - Learning a new label design
- For label inspection with the EM camera



Everything from a single source



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

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

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.



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