

KRONES Linatronic 735
The next-generation empty bottle inspector



The new Linatronic: even more thorough and more accurate



Is it possible to make a machine that has an impressive track record even better? The answer is yes. You need to carefully update the technology without affecting the great features that work so well. This is exactly what we have done with the new Linatronic

The inspection machine still delivers the same outstanding product safety, hygiene and reliability. But we have made modifications to some of the details in order to increase the effectiveness of the hygienic design, illumination subsystem, etc. The machine now offers that little bit extra from end to end. Does the machine really offer more in every respect? We have to admit that this is not entirely true. When it comes to energy consumption and maintenance effort, the Linatronic now offers less and not more.

Applications

Inspection of empty glass and PET containers

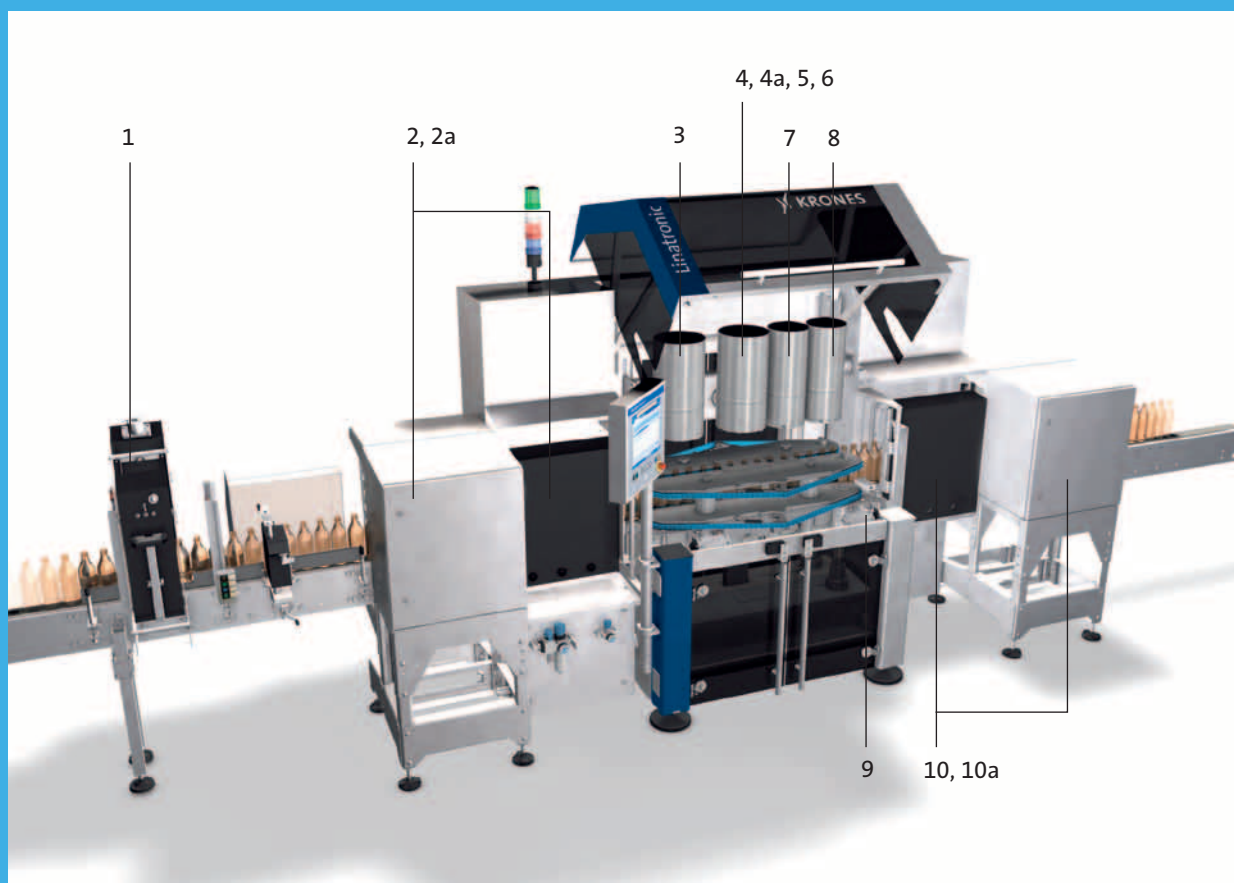
Output

Rated output: 72,000 containers per hour

What's new?

A brief look at the highlights:

- Enhanced hygienic design:
 - Takes up less space because there is no table plate
 - Rugged conveyor belts which repel dirt and moisture
 - Enclosed conveyor belt station
- Modular camera units which are designed for easy retrofit
- Long-life LED illumination
- Auto-adjust feature on conveyor belts and camera units
- Low-wear, low-maintenance bearings
- DART (Distributed Architecture for Real Time) inspection software:
 - High-precision inspection results
 - Minimal false rejects
 - Easy to operate
- Ecopush rejection system:
 - No air consumption
 - Lower space requirements
 - Low noise emissions



Inspection units:

- 1 Foreign container detection (camera)
- 2 Side wall inspection with scuffing detection (camera)
 - 2a Additional filters: Detection of foil residue (camera)
- 3 Sealing surface inspection (camera)
- 4 Base inspection (light field)
 - 4a Additional filters: Detection of foil residue and glass fragments
- 5 Detection of liquid residue (infrared)
- 6 Inspection of inner side wall (camera)
- 7 Full thread inspection or detection of chipped base (camera)
- 8 Lateral neck finish inspection (camera)
- 9 Residual caustic detection (high frequency)
- 10 Side wall inspection (camera)
 - 10a Additional filters: Detection of foil residue (camera)

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The benefits to you:

Safe, high-quality products

The high-sensitivity inspection modules detect 99.9% of defects and contamination. They also keep the number of false rejects down to an absolute minimum. Intelligent DART inspection software provides this functionality. The side wall inspection system, for example, is not even confused by water droplets on the bottle.

Designed for ease of operation

To make things as easy as possible for users, the HMI is similar on all KRONES machines.

Modular design

A range of different inspection modules and detection systems are available for the Linatronic. Our product specialists can help you decide exactly which options are right for you. Additional modules can easily be added to your Linatronic if your inspection needs change at some point in the future.

Safe Hygienic Design

The latest generation has smaller exterior surfaces to provide better contamination protection. Microbiological safety was also an important consideration during the design of the conveyor belt subsystem. The durable material does not absorb contamination or liquids, and it extends the life of the conveyor belt.

Quick, simple changeover

There is no need to swap parts when you change over to other container types. Parameter settings and adjustment of the inspection modules and conveyor belt are fully automatic. The entire change-over can be completed in a record time of just two to three minutes.

Great versatility

The Linatronic offers great flexibility and can easily be adapted to a very wide variety of container types. This means that both glass and PET bottles can be inspected on the same machine.

Ecopush rejection system

Ecopush is a standard feature on the Linatronic. In contrast to other rejection systems, Ecopush does not consume any air. Other outstanding Ecopush features include very quiet operation and compact design.

Durable, high-grade components

We made quality the top priority on the Linatronic "from head to toe". New design details, such as the conveyor belt and the illumination subsystem which is entirely LED based, already have an extensive track record in other KRONES machines, and they now extend the service life of the Linatronic.

Now with DART software

DART inspection software was previously only available on the Checkmat series. It is now also used on the Linatronic, and it comes with all of the great features: very easy to operate, highly accurate inspection results and minimal false rejects.

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