



KRONES Checkmat VKX Full Pack Inspection System

Are all the closed cartons completely filled with containers?

The Checkmat VKX can answer this question absolutely reliably. Being the last inspection unit in the bottling plant, it can check closed rooms with x-ray technology. With open packs as well (trays, crates, etc.), it detects every missing container. In addition, a quality check can be done after filling PET containers.

It can be employed in the empties area just as well. This is where glass bottles are detected inside packs for PET. Full PET containers in these areas will lead to a malfunction warning. The inspection analysis is performed with the KRONES DART System (DART = Distributed Architecture for Real Time), which has been well-proven in the field with numerous applications.

Optional Inspections

- Open carton lids
- Pack colour
- Container length
- Connection of analog and digital sensors
- Connection of up to six camera systems possible for checking the:
- Logo / label
- Bar code
- Code/date
- Carton quality

Rejection of Packs:

Any non-conforming pack must be automatically rejected from the pack flow or routed into sorting channels.

For this purpose, KRONES provides the following options:

- Pack pusher, e.g. Variopush
- Plate distributor
- Existing rejection systems
- Conveyor stop possible upon faulty detection



The compact dimensions of the Checkmat VKX enable easy integration into any line.



On request, the Checkmat VKX can be equipped with an emitter disconnection system for an empty conveyor, or with a protective housing.

System Advantages

- Modular design
- Central inspection system
- Entirely structured hardware basis; software suitable for network connections
- High safety standard through individual password protection

Output Range:

Up to a maximum of 4,500 packs/h, based on standard packs with 20 dividers

Pack Dimensions:

Maximum height: 400 mm
 Maximum width: 450 mm
 Maximum length: not relevant

Operation

- Operation via a 15" colour touch-screen
- User-defined passwords with different access rights
- Multilingual display, settings according to the operator's requirements

Teleservice

- Dial-in via modem/telephone line or Internet/VPN to the KRONES network by an authorised person with a PC which is installed above the Checkmat
- Modem installed by standard
- Monitoring and operation of the inspector via teleservice, display of all parameters and camera images
- Optimisation of the detection units, parameterisation of new container types
- Quick fault diagnostics
- Short change-over times and less onsite service tasks due to availability of teleservice with 24-hour hotline
- Practical training possible via teleservice



Service

KRONES worldwide network of sales and service offices provides optimum support even after the start-up of your inspection system. When needed, our specially trained service technicians for inspection systems will be at your site within very short time and perform all maintenance tasks quickly and reliably. Our modern storage system allows us to supply the required spare parts immediately.