

# KRONES Checkmat VK – Checkmat VK-W

*The Checkmat VK is a modular inspection system designed to assure the highest quality standard for your products. The Checkmat VK is the final stage in your bottling/canning line, scrutinising your crates for completeness by means of photo-cells or ultrasonic sensors. The Checkmat VK-W uses a check weighing device for the completeness check of open cartons and trays. After the packs have passed through the inspection sensor system, the non-conforming packs are rejected via a pusher or a transversal distribution unit.*



*Full crate inspection at the packer discharge with the Checkmat VK*

### System advantages:

- Simple and trouble-free operation
- No maintenance
- Low space requirements
- Easy integration into existing lines
- Connection to line data storage system (LDS)



*Full carton inspection with the Checkmat VK-W with weighing unit (above)*

*The colour monitor provides a graphical display of all relevant operation data (below)*

# Technical Data



Sorting of non-conforming trays via transversal distribution unit

## Standard equipment:

- Waterproof housing
- Evaluation terminal with LC display and user-friendly keyboard
- Display of all counter readings
- Display of all fault types
- Plain text display in D,GB, F, E, I, and P; other languages available as an option
- Type selector switch for a maximum of 32 types (VK 16 types)
- Self-diagnosis of the system
- Machine stop in the event of recurrent and consecutive faults, category and total are programmable
- Control for the rejection of packs

## Optional equipment:

- Detection of different pack heights via optical sensors (VK)
- Malfunction display via audible or optical signal (VK/VK-W)
- Rejection control via light sensors (VK/VK-W)
- Back-up switch – automatically triggers a machine stop in case of back-up (VK/VK-W)
- Printer software for printer or carton stamping unit (Willet) for VK-W
- Separate control cabinet (VK-W)
- Check Weighing device of stainless steel (standard: aluminium) for VK-W

## Pack sorting

Any non-conforming packs must be automatically rejected from pack flow or routed into sorting channels. For this purpose, KRONES provides the following options:

- Rejection via pusher:  
Individual packs are rejected via a pneumatically controlled rejection pusher, either in parallel or at 90 degrees to the production conveyor;
- Rejection via a transversal distribution unit:  
Rotating carrier plates guide and distribute the packs from one to several lanes in either symmetric or asymmetric arrangement.

**For further information please refer to our brochure “KRONES Inspection and Sorting Technology”.**