

STRATEC VK-U

Full Crate Inspection (on
Base of high- frequency
Ultrasound)



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INFORMATIK & INDUSTRIE
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STRATEC
CONTROL-SYSTEMS

General introductions

The last possible time to recognize missing and complete a crate or reject it, is between the packer and the palletizer.

If a badly filled crate is merely stacked on the pallet, missing bottles are recognized at the earliest by the customer.

The use of the **B.BULL** ultrasound full-crate-inspection **STRATEC VK-U** allows manufacturers to recognize and to sort out incompletely packed crates at full production speed.

The outstanding feature of the **STRATEC VK-U** is its simple operation. It offers an optimal comfort and high performance, but with an extremely low space requirement.

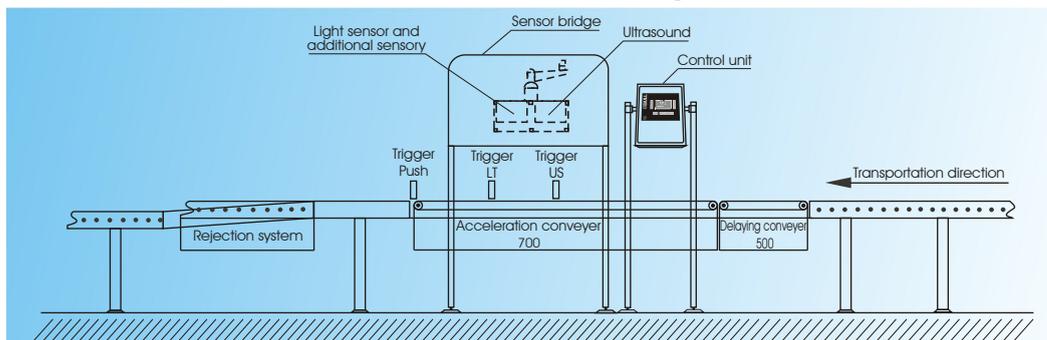
The profiles of the current types of crates are stored in memory **TEACH IN**, (It's possible to store up to 16 different types of crates).

Changing the crate type can be done without mechanical modifications and requires only the touch of a button.

with a scan rate of 450 times/s. The high frequency ultrasound in combination with the high scan rate allows a very reliable inspection. The evaluation of the sensor signals as well as the control to the rejection unit is carried out by the control unit. To guarantee a trouble-free operation, we recommend a transport through the sensor bridge over a rubber belt and a crate separation of 100 - 150 mm.

Control unit

- Simple operation by means of 4 push buttons
- Counter for total number and number of rejected bottles
- Integrated printer interface (V 24)
- Self-diagnosis
- Machine stop in case of sequential faults
- Control and transfer to the rejection unit
- Text display (5 languages switchable to D, GB, E, I, F)
- Capacity available for processing additional sensor
- Operating data acquisition



Application

Full crate inspection within bottling lines in the:

- Brewing industry
- Mineral water industry
- Soft drink industry
- Milk industry
- Juice industry
- Wine and champagne industry
- Tinned food industry

Mode of operation

The system consists of a sensor bridge and a control unit.

The sensor bridge is adjustable in height through a spindle. (Used for installation only)

The sensor bridge is equipped with a line of 30 high-frequency (400 kHz) ultrasound sensors.

While being transported through the sensor bridge the crate is scanned

Technical data

Main supply:	_____ 230 V
Enclosure:	_____ IP 55
Environment temperature:	_____ 5° - 45° C
Dimensions control unit (WxDxH):	_____ 400x220x500 mm
Dimensions sensor bridge (WxDxH):	_____ 1000x700x630 mm
Weight sensor bridge:	_____ 105 kg
Weight control unit:	_____ 41,2 kg
Rejection signal (positive Switch):	_____ 24 V (0,5 max.)
Recognition method:	_____ Ultrasound 400 Hz
Scan rate:	_____ 450 Hz
Max. transport speed:	_____ 1,2 m/s
Number of crate Typs (to be stored):	_____ 16
Crate structure:	_____ modul structure or honeycomb
Running direction of crat:	_____ lengthwise/crosswise

BULL
 TECHNOLOGY

BULL

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