

Stratec VK-X

Case X-ray

Full Carton/Full Crate Inspection

- **Missing Bottle/ Missing Can Inspection**
- **Empty Carton Inspection After Unpacker**
- **Broken Bottle Inspection**
- **Rough Fill Level Inspection**
of bottles and cans inside the closed cartons



TELEDYNE TAPTONE
Package Inspection Systems
A Teledyne Technologies Company

www.TapTone.com

Stratek VK-X

Case X-ray

Inspect Open or Closed Cartons at Very High Conveyor Speeds



Full Case/Crate Inspection System

The last possible time to recognize missing bottles/cans, containers, or cartons with broken containers, or badly filled containers, is between the packer and the palletizer. With the STRATEC VK-X system it is possible to detect faulty cartons/ crates and remove them from the production process.

The STRATEC VK-X scans the carton with an extremely compact X-ray tube. This method has essential advantages over optical systems or scales in many applications.

The X-ray method allows for an inspection of the carton in open or closed condition, and this can be done at very high transportation speeds. When a faulty carton/crate is detected, it can be removed from the production process or an acoustic or optical alarm can be activated.

The installation, operation and service of the system is simple. The adjustment of the parameters is realized for the most part by the TEACH IN mode.

Self-diagnosis and malfunction display in plain text guarantee high reliability and easy service.

Existing systems can be easily upgraded with STRATEC VK-X.

How It Works

The system consists of a sensor bridge with height adjustment and the control unit STRATEC PC-400. The sensor bridge is equipped with an X-Ray source and a highly advanced detector.

While passing the sensor bridge the carton or crate is scanned by harmless X-rays. The evaluation of the sensor signals is performed by the control unit that can either energize a rejection unit or activate a signal (optical/acoustical).

SYSTEM SPECIFICATIONS

GENERAL SPECIFICATIONS

Electrical 230 V, 50–60 Hz,
Single phase, 250 watts

Environmental Temp ... 5 - 42 °C

Inputs 16, + (8), 24V+

Outputs 8, +(8), 24V+

Operating Speed 1.5 m/sec

Temperature 32° to 122° F (0° to 50° C)

Radiation Source Compact X-ray tube (65kV)

Sensor Bridge Dim. 880 x 400 x 170 mm

Sensor Bridge Wgt. 55 kg

**Distance from carton
to Carton in mm** 60

**Running direction of
the cartons** lengthwise/crosswise

CONTROL UNIT

Display 6.4 inch Touch Screen

Cabinet V2A/IP 55

Dimensions (mm) 400 x 500 x 280

Control Unit Weight 42.5 kg

Reject Signal max 24 V, 0.5 A

Interface Ethernet, 1x serial,
RS232/RS422/RS485



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