mekitec
FOR SAFE FOOD

SIDEMEKI™
– Food X-Ray Inspection

SIDEMEKI™ delivers the best value X-ray quality control for tall packages, both liquids and solid foods alike. This inspection system brings a new approach changing the existing standards towards true pack-for-pack traceability. This trend towards primary packaging inspection is now available for side-view applications, such as PET bottles and containers.

SIDEMEKI™ – X-Ray Quality Control for Tall Products

The SIDEMEKI™ system is designed for production lines where the food is in packages that are taller than wider, such as bottles, cartons, containers and cans. Ensuring smooth production flow is essential with these packaging types setting a higher expectation for the design of the inspection equipment.

That's why SIDEMEKI™ is completely lead curtain-free X-ray system, equipped with secure product guides ensuring the food packages transfer effortlessly through, the system is also equipped with various sensors that monitor the system and its functionalities, making SIDEMEKI truly self-monitoring Critical Control Point.

SIDEMEKI™ is the only quality control solution offering food producers a choice to select one or two X-ray generators based on the exact need for the product inspection. With tall products, this means that the system always has the needed inspection accuracy necessary for foreign object detection and specific quality functions, e.g. headspace, fill level, and cap inspection. This equals the best value in the industry.

SIDEMEKI™ is suitable for industries such as:

For more information, visit www.mekitec.com

Exactly What You Need to Inspect Tall Products

FOR SAFE FOOD

1906–2216mm

890–1200mm

3343mm

TECHNICAL SPECIFICATIONS

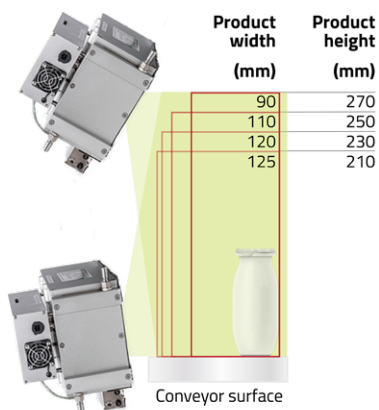|	
Detection area (W x H)	90 x 270mm Up to 125 x 210mm*
Conveyor speed	Up to 1.0 m/s Option to 1.3 m/s
X-ray/detector quantity	1 or 2 X-ray generators and detectors paired
X-ray power	200W / each X-ray generator
X-ray leakage	less than 1 µSv/h
Detector	Linear scanner, resolution 0.4 mm
Software	Mekitec X-ray inspection System SW
Operating system	Win 10
Connectivity	USB, Ethernet
HMI	15" Color TFT LCD Screen
Operation Temperature	0–35° C ambient
Cooling	Optional air conditioner**
IP rating	IP65***
Relative humidity	30-85%, non-condensing
System power supply	110/240 VAC, 50-60Hz
Dimensions (W x D x H)	3343 x 1179-1463 x 1906-2216mm
Weight	735kg
Material	Stainless steel, brushed
Reject options	1 or 2 rejecters, air reject or pusher with bins
System conveyor	EU and FDA food use approved conveyor belt
Radiation protection	Meets EN 61010-02-091, FDA CFR 21 part 1020, 40
Safety system	Safety Circuit CAT 3, Performance Level PL d
In-feed/out-feed options	Two integrated in-/outfeed conveyor options; enables end-feed and side-feed product flow.

*May require additional shrouds for infeed and outfeed depending on the inspected product.
**External circuit IP 34, Internal circuit IP 54. Requires the use of washing covers for air intake.
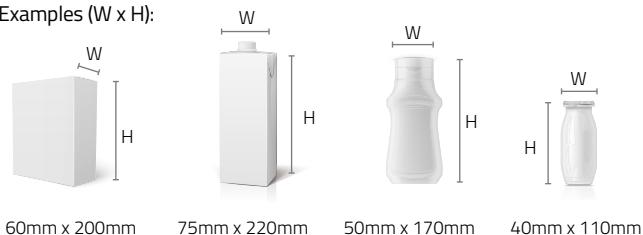***Requires the use of washing covers for air intake.

DETECTION AREA

Inspected product must fit completely inside the detection area.

Product width (mm)	Product height (mm)
90	270
110	250
120	230
125	210

Conveyor surface

Examples (W x H):

60mm x 200mm   75mm x 220mm   50mm x 170mm   40mm x 110mm

SIDEMEKI™ is particularly designed for the inspection of packaged food products that are taller than wider. For other applications, please refer to the datasheets MEKI™, MEKI™ C, MEKI™ ONE and MIDMEKI™.

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