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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. Now, the benefits of primary packaging X-ray inspection is 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.

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. fill level and cap inspection. This equals the best value in the industry.

SIDEMEKI™ is suitable for industries such as:

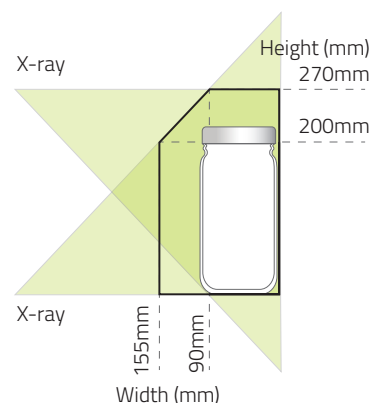For more information, visit www.mekitec.com

Exactly What You Need
to Inspect Tall Products

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2360mm

800 - 1340mm

3450mm

TECHNICAL SPECIFICATIONS

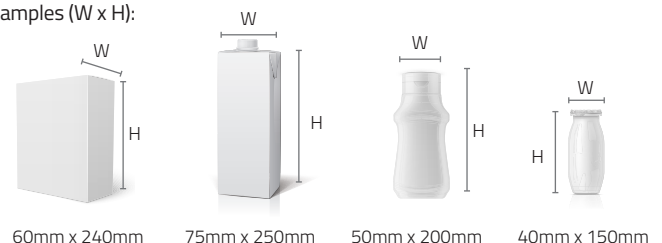|	
Conveyor speed	0.1 - 0.7m/s[1]
Conveyor motors	2 x motor roller 230VAC, IP69K
Conveyor load capacity	Max. 70kg[2]
X-ray generators	1 or 2 X-ray generators, 200W
X-ray leakage	less than 1 µSv/h
Detector	1 or 2 detectors, linear scanner, resolution 0.4 mm
Software	Mekitec X-ray inspection System SW
Operating system	Win 10
Connectivity	2 x USB, 1 x Ethernet
HMI	15" Color TFT LCD Screen
Operation Temperature	0–35° C ambient
Cooling	Optional 1000W air conditioner
Noise level	< 81.3dB(A)
IP rating	IP65[3]
Relative humidity	30-85%, non-condensing
System power supply	110/240 VAC, 50-60Hz
Dimensions	Width: 3450mm Depth: 1325mm or 1625mm depending on the rejection bin[4] Height: 2360mm
Weight	830kg, with cooling unit 880kg
Material	Stainless steel, brushed
Reject options	1 rejecter: for foreign object detection and other quality functions like fill level and cap detection 2 rejecters: 1st for foreign object detection, 2nd for other quality functions Set-up will be selected based on the application
Rejection confirmation	Available as an option
Rejection box	Option 1: 700mm depth, 330mm width Option 2: 400mm depth, 330mm width
System conveyor	EU and FDA food use approved conveyor chain 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	Option 1: end-feed Option 2: side-feed

[1]Higher conveyor speed is possible depending on the application.
[2]Load must be evenly distributed on the conveyors.
[3]Air intakes (IP54) and optional cooling unit (IP32) require the use of protective cleaning covers.
[4]When equipped with cooling unit, the depth is 1600mm or 1900mm.

DETECTION AREA

X-ray

Height (mm)
270mm
200mm

X-ray

155mm
90mm

Width (mm)

Height	Width
270mm	90mm
264mm	95mm
260mm	100mm
255mm	105mm
248mm	110mm
243mm	115mm
237mm	120mm
232mm	125mm
226mm	130mm
221mm	135mm
215mm	140mm
210mm	145mm
205mm	150mm
200mm	155mm

Inspected product must fit completely inside the detection area. Maximum product height is 270mm, maximum product width is 125mm without lead curtains and 155mm with them. Maximum product length is 215mm with one rejecter and 130mm with two rejecters.

Examples (W x H):

60mm x 240mm   75mm x 250mm   50mm x 200mm   40mm x 150mm

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™ ONE and MIDMEKI™.

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