

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

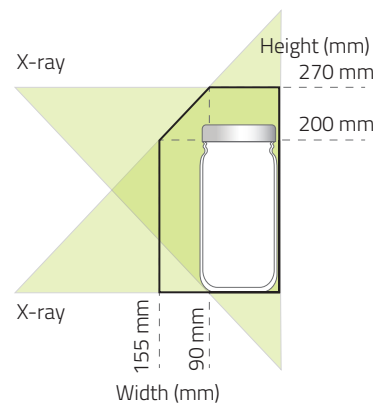
Exactly What You Need to Inspect Tall Products



TECHNICAL SPECIFICATIONS

Conveyor speed	0.1 - 0.7 m/s ^[1]
Conveyor motors	2 x motor roller 230 VAC, IP69K
Conveyor load capacity	Max. 70 kg ^[2]
X-ray generators	1 or 2 X-ray generators, 200 W
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	Windows 11
Connectivity	2 x USB, 1 x Ethernet
HMI	15" Color TFT LCD Screen
Operation Temperature	0–35° C ambient
Cooling	Optional 1000 W air conditioner
Noise level	< 81.3 dB(A)
IP rating	IP65 ^[3]
Relative humidity	30-85%, non-condensing
System power supply	110/240 VAC, 50-60 Hz
Dimensions	Width: 3450 mm Depth: 1325 mm or 1625 mm depending on the rejection bin ^[4] Height: 2360 mm
Weight	830 kg, with cooling unit 880 kg
Material	Stainless steel, brushed
Reject options	1 rejector: for foreign object detection and other quality functions like fill level and cap detection 2 rejectors: 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: 700 mm depth, 330 mm width Option 2: 400 mm depth, 330 mm 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

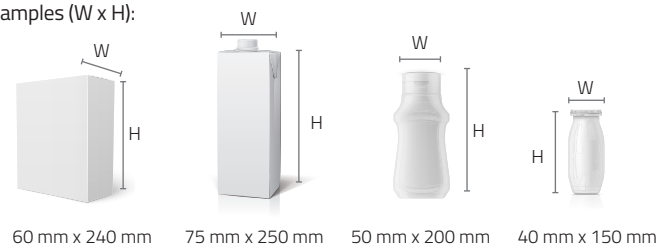
DETECTION AREA



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

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

Examples (W x H):



SIDEMEKI is particularly designed for the inspection of packaged food products that are taller than wider. For other applications, see our full range of inspection systems at www.mekitec.com.

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^[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 1600 mm or 1900 mm.