



MEKI™ ONE

– Food X-Ray
Inspection

All you need in ONE.

MEKI™ ONE is a concept with all you need from a Critical Control Point in one compact package. The ONE concept combines the superior X-ray sensitivity with the smallest footprint, still having all the latest features and functionalities expected by the global quality standards, such as integrated automatic reject, reject bin, reject confirmation, and system reporting.

MEKI™ ONE makes it easy for food producers to introduce food X-ray quality control to any packaging lines. The concept ensures that producers will meet and exceed expectations for production quality. With MEKI™ ONE, we offer the best value for the investment.



MEKI™ ONE is suitable for industries such as:



For more information, visit www.mekitec.com

All You Need in One Frame – MEKI™ ONE



TECHNICAL SPECIFICATIONS

Detection area (W x H)	9.5" x 4.3" (240mm x 110mm)
Conveyor speed	min. 0.3 ft/s (0.1 m/s) max. 4.3 ft/s (1.3 m/s)
X-ray power	30-60 kV, 0.2-2.5 mA, max 100 W
X-ray leakage	less than 1 µSv/h
Detector	Linear scanner, resolution 0.4 mm
Software	Mekitec X-Ray Inspection System SW
Operating system	Windows 10
Connectivity	USB, Ethernet
HMI	12" Color TFT LCD Screen
Operation Temperature	0-35 °C ambient
Cooling	Optional air conditioner
IP rating	IP54
Relative humidity	30-85%, non-condensing
System power supply	110/240 VAC, 50-60 Hz
Dimensions (W x D x H)	47"/50" x 28" x 79" (1200/1280 x 715 x 2000 mm)
Weight	342 lbs (155 kg)
Material	Stainless steel, brushed
Reject	Integrated air reject with bin and standard reject confirmation
Options	Two conveyor model, push-arm reject, hand sensors* and full reject confirmation
System conveyor	EU and FDA food use approved conveyor belt
Radiation protection	EN 61010-02-091, FDA CFR 21 part 1020, 40
Safety switches	Safety circuit CAT 3, Performance Level PL d

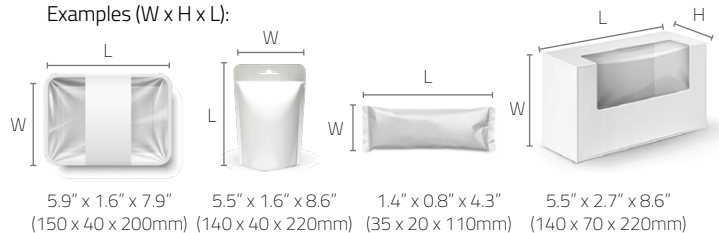
*Hand sensors are required unless user access to the areas under radiation is prevented by other means such as extra shrouds or conveyor covers.

DETECTION AREA

Inspected product must fit completely inside the detection area.

Height	Width
4.3" (110mm)	5.1" (130mm)
4.0" (100mm)	5.5" (140mm)
3.6" (90mm)	5.9" (150mm)
3.2" (80mm)	6.3" (160mm)
2.8" (70mm)	6.7" (170mm)
2.4" (60mm)	7.1" (180mm)
2.0" (50mm)	7.5" (190mm)
1.6" (40mm)	7.9" (200mm)
1.2" (30mm)	8.3" (210mm)
0.8" (20mm)	8.7" (220mm)
0.4" (10mm)	9.1" (230mm)
0.0" (0mm)	9.5" (240mm)

Examples (W x H x L):



5.9" x 1.6" x 7.9" (150 x 40 x 200mm) 5.5" x 1.6" x 8.6" (140 x 40 x 220mm) 1.4" x 0.8" x 4.3" (35 x 20 x 110mm) 5.5" x 2.7" x 8.6" (140 x 70 x 220mm)

MEKI™ ONE is particularly designed for the inspection of primary packaged food products. For other applications, please refer to the datasheet MEKI™, MEKI™ C and MIDMEKI.

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