



MEKI™

– Food X-Ray Inspection

The options for quality control in the food industry have long been limited. Until now there were only simple metal detectors on one hand and high-price X-ray systems on the other. With Mekitec, you finally have the choice.



MEKI™ – Offering the Best Value

MEKI is an automated product quality control system using the latest X-ray image processing technology. The system images the inside of food products detecting foreign objects (e.g. metal, stones, glass, bones and dense plastics), simultaneously ensuring the overall quality, such as form and shape, completeness and integrity, and presence or lack of presence. High moisture, salt content or different type of packaging materials (like metal) are not a problem for the inspection.

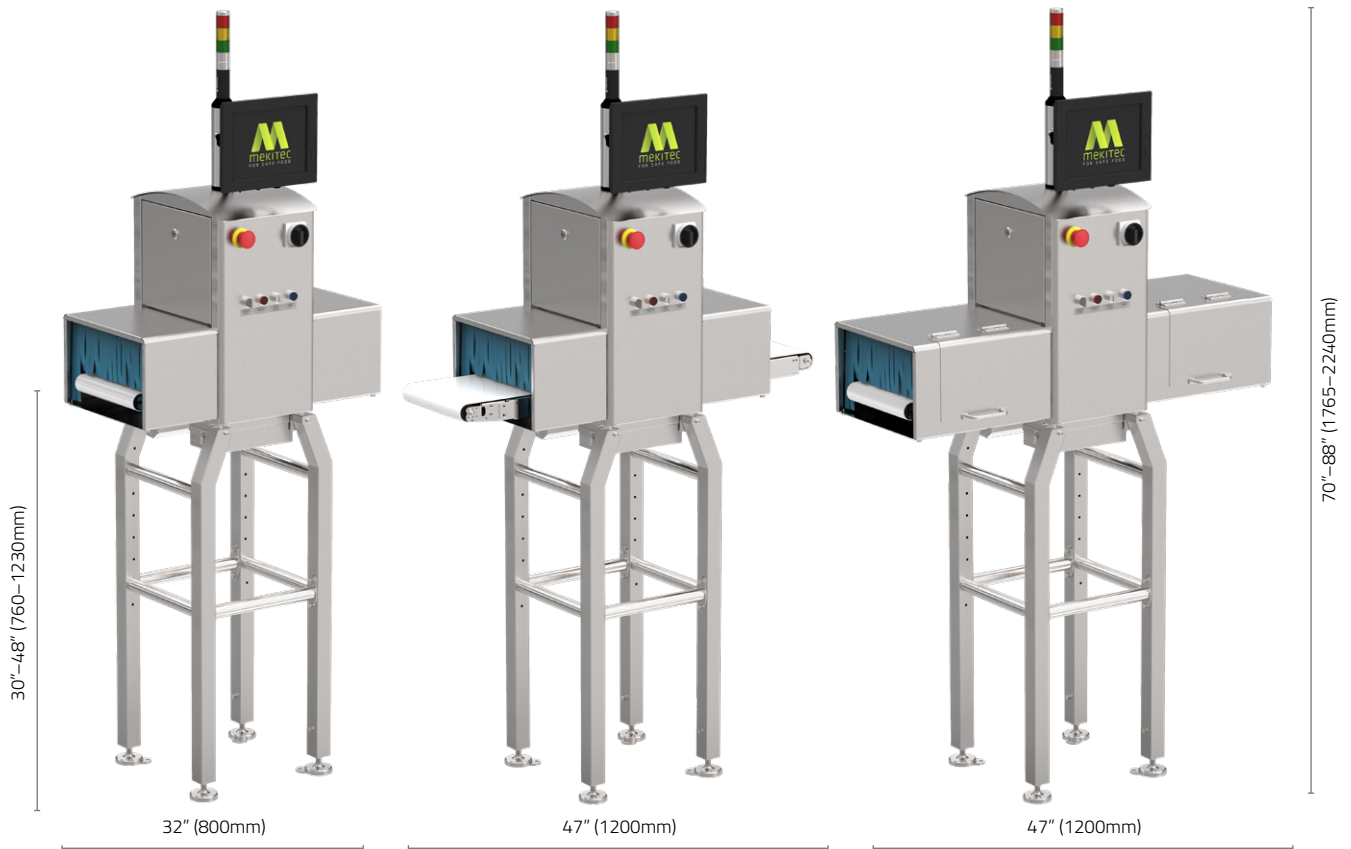
MEKI requires the least amount of installation space in the production line compared to any other X-ray quality control system. Mekitec focuses on what is necessary and important in an X-ray for a food producer, so we can deliver the best value to Mekitec's most valuable asset – our customer.

MEKI™ is suitable for industries such as:



For more information, visit www.mekitec.com

The Most Compact Food X-ray Inspection System



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 0.4mm
Software	Mekitec X-Ray Inspection System SW
Operating system	Windows 10
Connectivity	USB, Ethernet
HMI	12" Color TFT LCD Screen
Operation Temperature	32–95 °F ambient (0–35 °C)
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)	32"/47" x 20" x 79" (800/1200mm x 515mm x 2000mm)
Weight	220 lbs (100 kg)
Material	Stainless steel, brushed
Reject options	Optional air reject or pusher with bins
System conveyor	EU and FDA food use approved conveyor belt
Radiation protection	EN 61010-02-091, FDA CFR 21 part 1020, 40
Safety system	Safety circuit CAT 3, Performance Level PL d

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)

MEKI is particularly designed for the inspection of packaged products. For applications requiring larger detection area, please refer to the datasheet MIDMEKI.

Mekitec Oy, info@mekitec.com, www.mekitec.com

Disclaimer: All information is provided for information purposes only and shall not be considered as assured characteristics. The information and technical data presented in this document are subject to change. Customers should obtain and verify the latest relevant information before placing orders. If you have any questions related to the datasheet, please contact us via email or phone. Thank you. DS_US_MEKI_032019A