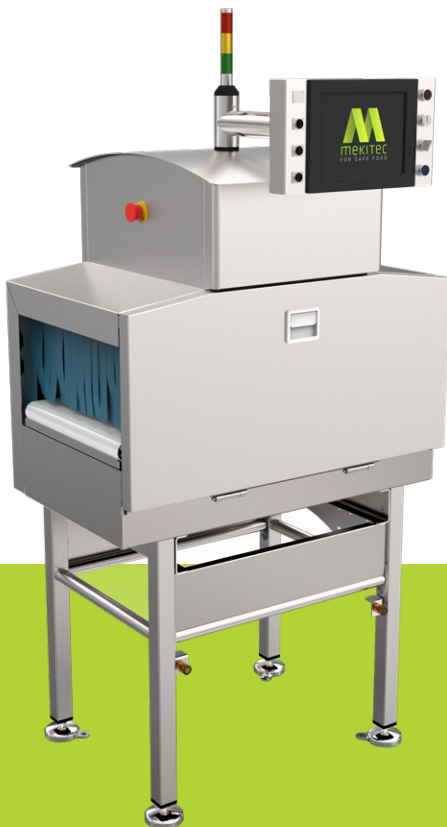# MIDMEKI™
– Food X-Ray Inspection

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.

MIDMEKI™ – Offering the Best Value

MIDMEKI quality control system uses the latest X-ray image processing technology. With this system, we expand our unique product line with a system that combines the benefits of our compact MEKI™ with a wider conveyor and significantly larger detection area.

It is especially designed for the inspection of larger food products and trays of smaller products. High moisture, salt content or different type of packaging materials (like metal) are not a problem for the inspection.

MIDMEKI requires the least amount of installation space in the production line compared to any other comparable X-ray system. Like with MEKI™, with MIDMEKI we focus on what is important and necessary in an X-ray for a food producer, so we can deliver the best value to Mekitec's most valuable asset – our customer.
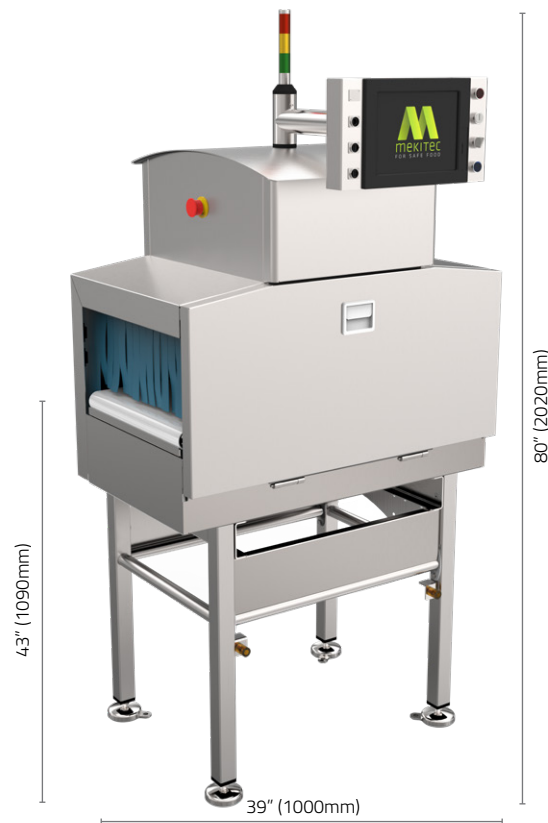
MIDMEKI™ is suitable for industries such as:

For more information, visit www.mekitec.com

X-Ray Inspection System for Larger Products

mekitec
FOR SAFE FOOD

80" (2020mm)
43" (1090mm)
39" (1000mm)

TECHNICAL SPECIFICATIONS

Detection area	16" x 8" (400mm x 200mm)
Conveyor speed	min. 0.3 ft/s (0.1 m/s) max. 3.2 ft/s (0.98 m/s)
X-ray power	40-80 kV, 0.2–5.0 mA, max 200 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	IP65
Relative humidity	30-85%, non-condensing
System power supply	110/240 VAC, 50–60 Hz
Dimensions (W x D x H)	39"/55" x 28" x 80" (1000/1400mm x 702mm x 2020mm)
Weight	485 lbs (220 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 switches	Safety circuit CAT 3, Performance Level PL d

DETECTION AREA

Inspected product must fit completely inside the detection area.

Height	Width
7.1" (180mm)	8.7" (220mm)
6.3" (160mm)	9.5" (240mm)
5.5" (140mm)	10.0" (255mm)
4.7" (120mm)	10.8" (275mm)
4.0" (100mm)	11.6" (295mm)
3.2" (80mm)	12.4" (315mm)
2.4" (60mm)	13.2" (335mm)
1.6" (40mm)	14.0" (355mm)
0.8" (20mm)	14.6" (370mm)

16" x 8" (400mm)
8" (200mm)

MIDMEKI is especially suitable for the inspection of packaged products and trays with several products. For application with smaller products, please refer to the datasheet MEKI.

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