



MIDMEKI

– Food X-Ray Inspection

X-ray technology has become the go-to option for food safety, but with Mekitec's inspection solutions you won't have to compromise the quality and traceability of your production either. Give you and your customers peace of mind by choosing Mekitec.

MIDMEKI – Offering the Best Value

MIDMEKI quality control system uses the latest X-ray image processing technology. This system combines the benefits of our compact MEKI™ with a wider conveyor and significantly larger detection area to accommodate larger primary packaged food products.

It is especially designed for the inspection of medium-sized products and trays of smaller products. As with other Mekitec X-ray systems, high moisture, salt content, or different type of packaging materials (e.g. metal or aluminum) are not a problem for the inspection.

With MIDMEKI, we focus on what is important and necessary in an X-ray system for a food producer. By choosing primary packaging inspection, we deliver the best performance and value to Mekitec's most valuable stakeholder – our customer.



MIDMEKI is suitable for industries such as:



For more information, visit www.mekitec.com

X-Ray Inspection System for Medium-Sized Products



TECHNICAL SPECIFICATIONS

Conveyor speed	MI.S1: 0.1–1.0 m/s MI.S2 & MI.S3 available gear box configurations: 0.5–1 m/s, 0.28–0.58 m/s or 0.16–0.3 m/s
Conveyor load capacity	MI.S1: max. 5 kg MI.S2 & MI.S3: max. 20 kg
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 0.4 mm
Software	Mekitec X-Ray Inspection System SW
Operating system	Windows 11
Connectivity	USB, Ethernet
HMI	12" Color TFT LCD Screen
Operation Temperature	0–35°C ambient
Cooling	Optional cooling system
IP rating	IP65
Relative humidity	30–85 %, non-condensing
System power supply	110/240 VAC, 50–60 Hz
Dimensions (W x D x H)	1000/1400 mm x 702 mm x 2020 mm
Weight	250 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

Maximum product height (mm)	
200	190
180	220
160	240
140	255
120	275
100	295
80	315
60	335
40	355
20	370
0	390
Maximum product width (mm)	

Inspected product must fit completely inside the detection area. Maximum product length will be defined by the selected rejection box and product features.

For MI.S1 and MI.S2 the maximum product length is 300 mm and for MI.S3 the maximum length is 500 mm. For longer products, contact Mekitec.

MIDMEKI is especially suitable for the inspection of packaged products and trays with several products. For other applications, see our full range of inspection systems at www.mekitec.com.