



MEKI™

– 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.



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 and traceability of food production.

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.

MEKI™ requires the least amount of installation space in the production line compared to any other X-ray quality control system. By focusing on primary packaging inspection, we deliver the best performance and value to Mekitec's most valuable stakeholder – our customer.

MEKI™ is suitable for industries such as:



For more information, visit www.mekitec.com

The Most Compact Food X-ray Inspection System

ME.S1

ME.S2

ME.S3



TECHNICAL SPECIFICATIONS

Conveyor speed	min. 0.1 m/s max. 1.3 m/s
Conveyor load capacity	max. 5 kg
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 11
Connectivity	USB, Ethernet
HMI	12" Color TFT LCD Screen
Operation Temperature	0-35°C ambient
Cooling	Optional cooling system
IP rating	IP54
Relative humidity	30-85 %, non-condensing
System power supply	110-230 VAC, 50-60 Hz
Dimensions (W x D x H)	800/1200 mm x 515 mm x 2000 mm
Weight	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

Maximum product height (mm)	
110	130
100	140
90	150
80	160
70	170
60	180
50	190
40	200
30	210
20	220
10	230
0	240
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 ME.S1 and ME.S2 the maximum product length is 250 mm and for ME.S3 the maximum length is 450 mm. For longer products, contact Mekitec.

MEKI™ is particularly designed for the inspection of small packaged products. For other applications, see our full range of inspection systems at www.mekitec.com.