

MEKI™ C

– Food X-Ray Inspection

MEKI™ C stands for:

CURTAINLESS. Certain products cannot be inspected by using conventional X-ray inspection systems with lead curtains, and they require a curtain-free system to ensure smooth product flow. Curtainless equals an easy-to-clean, convenient and carefree production with less wearing parts and easier system maintenance.

CUPS. Especially designed for cup products, emphasizing cup-friendly product transfers, –guides and –rejection, making sure the inspection is truly a seamless part of the production. Cups are used in all industries; yoghurts, noodles, cereals, nuts, ready-to-eat meals, fruits and cookies are just a few examples of products that can be found in a cup.

COMPLETE. Full Critical Control Point, where you have all you need in one complete package including automated product rejection, rejection confirmation and reporting.

All this with the latest X-ray technology to inspect, detect and reject the potential hazards and fulfill any global quality standard.

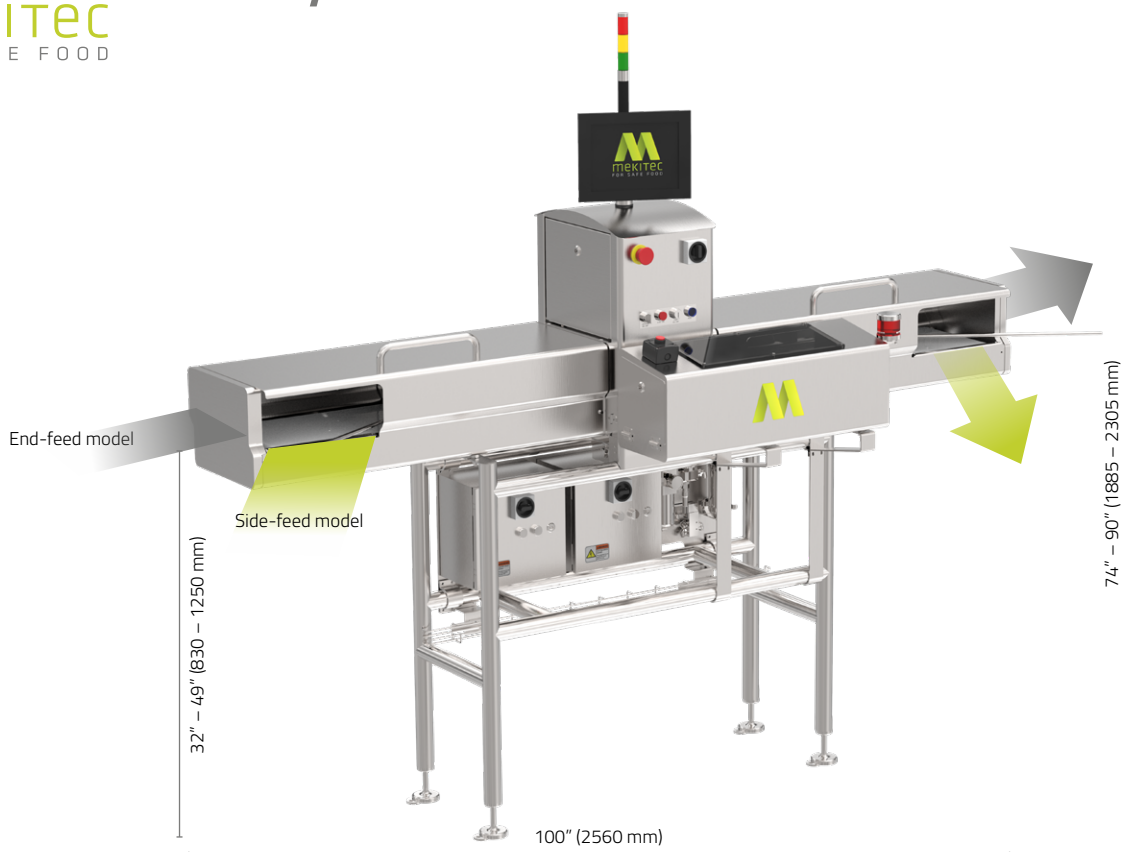


MEKI™ C is suitable for industries such as:



For more information, visit www.mekitec.com

Curtainless, Hygienic and Easy-to-Clean – MEKI™ C



TECHNICAL SPECIFICATIONS

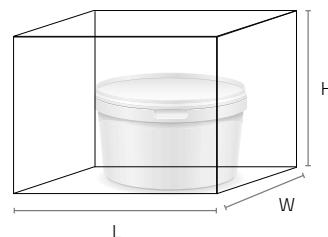
Detection area (W x H)	9.5" x 4.3" (240mm x 110mm)*
Conveyor speed	min. 0.3 ft/s (0.1 m/s) max. 3.2 ft/s (1.0 m/s)
X-ray power	30-60 kV, 0.2–2.5 mA, max 100 W
X-ray leakage	less than 1 µSv/h
Detector	Linear scanner, resolution 0.4 mm
Software	Mekitec X-Ray Inspection System SW
Operating system	Windows 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)	100" x 28" x 79" (2560 x 715 x 2000 mm)
Weight	507 lbs (230 kg)
Material	Stainless steel, brushed
Reject	Integrated air reject with bin and standard reject confirmation
Options	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

*The actual size of inspected product is limited as indicated in Inspected Product Dimensions.

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

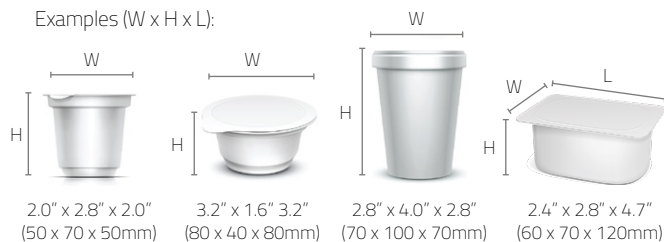
INSPECTED PRODUCT DIMENSIONS

The inspected product cannot be larger than the following dimensions.



	Width	Height	Length
End-feed model	3.2" (80mm)	4.1" (105mm)	5.5" (140mm)
Side-feed model	5.5" (140mm)	4.1" (105mm)	5.5" (140mm)

Examples (W x H x L):



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

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