



# WIDEMEKI

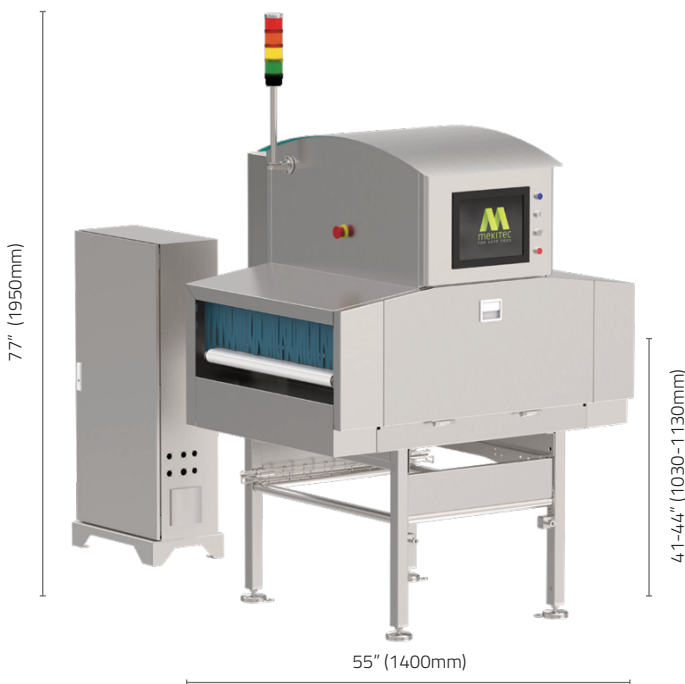
## – Food X-Ray Inspection

WIDEMEKI X-ray inspection system is designed for food packages that are significantly wider than standard consumer packaged food products. The system provides bakers and other food production manufacturers an automated X-ray inspection at the best value in the industry.

### WIDEMEKI – X-Ray Quality Control for Wide Products

The bakery industry has been one of the main focus areas when designing the system, since there are applications where the food products are extremely wide, such as pillow packs.

What makes WIDEMEKI a unique inspection solution, is the combination of two parallel and partly overlapping X-ray images from two separate X-ray generator and detector pairs. This enables to have the distance between the parts to a minimum, which eliminates the need for high-power generator, reduces the system size, energy consumption, and improves the image quality and foreign object detection performance.



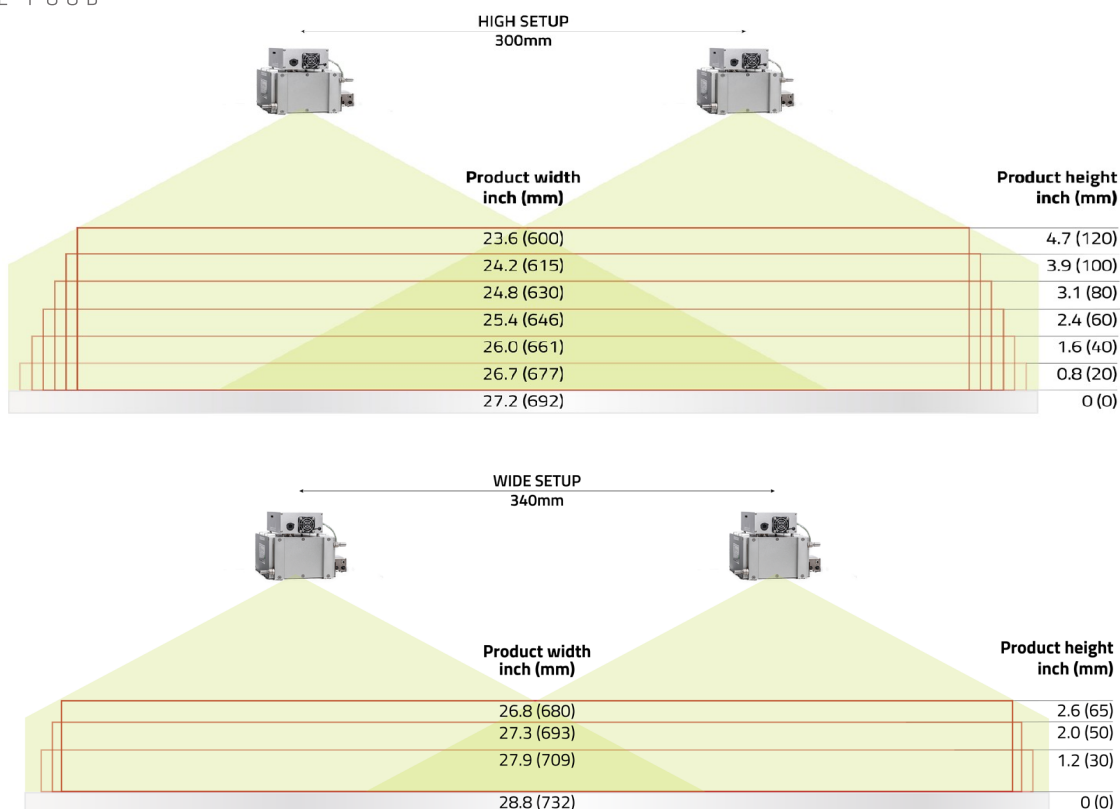
WIDEMEKI is suitable for industries such as:



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# Detection Area

Inspected product must fit completely inside the detection area.



## TECHNICAL SPECIFICATIONS

<b>Detection area (W x H)</b>	28.7" x 4.7" (730 x 120mm)
<b>Max product size (W x H)</b>	26.8" x 2.6" / 23.6" x 4.7" (680 x 65mm/600 x 120mm)
<b>Conveyor speed</b>	Up to 3.3 ft/s (1.0 m/s)
<b>X-ray/detector quantity</b>	2 X-ray generators and detectors paired
<b>X-ray power</b>	40-80 kV, 0.2-5.0 mA, 200W / each X-ray generator
<b>X-ray leakage</b>	less than 1 µSv/h
<b>Detector</b>	Linear scanner, resolution 0.4 mm
<b>Software</b>	MEKI AI
<b>Operating system</b>	Win 11
<b>Connectivity</b>	6 x USB, 2 x Ethernet
<b>HMI</b>	15" Touch Screen
<b>Operation Temperature</b>	32-95° F ambient (0-35° C)
<b>Cooling</b>	Integrated AC*
<b>IP rating</b>	System IP54, tunnel IP65
<b>Relative humidity</b>	30-85%, non-condensing
<b>System power supply</b>	110/240 VAC, 50-60Hz
<b>Dimensions (W x D x H)</b>	55" x 55" x 77" (1400 x 1400 x 1950mm)
<b>Dimensions: Electrical cabinet (W x D x H)</b>	12" x 24" x 51" (300 x 600 x 1300mm)
<b>Weight</b>	1146 lbs + EA box 143 lbs (520kg + 65kg)
<b>Material</b>	Stainless steel, brushed
<b>Reject options</b>	1 or 2 rejectors
<b>System conveyor</b>	EU and FDA food use approved conveyor belt
<b>Radiation protection</b>	Meets EN 61010-02-091, FDA CFR 21 part 1020, 40
<b>Safety system</b>	Safety Circuit CAT 3, Performance Level PL d

## PRODUCT EXAMPLE

The WIDEMEKI is designed for wide products and packaging, like pillow pack applications in the bakery industry.



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

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\*External circuit IP 34, Internal circuit IP 54. Requires the use of washing covers for air intake.