



General Specifications

O/S	Windows 10 Professional
Screen	Full-color TFT 15" Touch Screen
Connectivity	LAN port, USB port
Product Storage	200 Kinds
Product Management	Complete product log
Equipment Management	MTBF, MTTR, Error logs, error analysis
Parameter Adjustment	Auto learning/Manual setting
Image Management	Auto image save/print/analyses
Best Inspection Ability without Product	0.3mm(SUS304 ball)
	0.3*2mm(SUS wire)
	0.8mm (Glass Ball)
	0.8mm(Ceramic)
X-ray tube	MAX.350W/80KV (Beryllium window)
Detector	0.4mm TDI Detector
Camera	High Resolution Camera, one on top, one at bottom
Conveyor Parameter	Speed: 10-60m/min
	Width: 300mm
	Max Height: 150mm
	Max Load: 5kg
Conveyor Height	750+100mm
Working Direction	From left to right
Body Material	SUS304
Purification	Easy to wash
IP Rating	IP65
Power Supply	220V, AC, 50/60Hz
Cooling method	Air conditioned cooling
Operation Temperature	0-40°C
Operation Humidity	30-90%
X-ray Emissions	< 1microsievert per hour
X-ray Protection	Lead-Free Curtain
Rejector	Alarm and belt stop



Product Highlights

The system integrates a high-resolution X-ray inspection machine and an advanced AI Vision inspection system, providing comprehensive quality control for food products.

X-ray + AI Inspection

Used to detect internal defects and contaminants in both packaged products (including metallized packaging) and unpackaged products, such as:

- Fish bones
- Hard plastic fragments
- Stones and gravel
- Glass fragments
- Metal contaminants
- Bamboo sticks or wooden splinters

Remarks:

The technical parameter above namely is the result of sensitivity by inspecting only the test sample on the belt. The sensitivity would be affected according to the products being inspected and working condition.





MTC-97XPRO

360° X-ray & AI Vision Inspection System

- Products with insect holes or internal damage
- Broken or incomplete products
- Missing or extra seasoning sachets
- Oil leakage during the packaging process
- Empty packages without product content
- Incorrect quantity of packs inside a carton box
- AI Vision Inspection

For unpackaged products, the system detects surface defects and foreign materials, including:

- Hair
- Glove fragments
- Plastic strings or strips
- Insects
- Abnormal color defects
- Broken or incomplete products

For packaged products, the system detects packaging and printing defects, including:

- Faded or unclear date codes
- Incorrect date codes
- Incorrect packaging artwork or design
- Improperly sealed or open packages

By combining High-Resolution X-ray Technology and Advanced AI Vision Inspection, the system delivers 360° product quality inspection, ensuring maximum food safety, product quality, and packaging integrity while significantly reducing reliance on manual inspection.



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