



Product highlights

Application

Used for detecting foreign contaminants such as metal, glass, ceramic, stones, etc. inside large cartons/packages in food, garment, footwear, and handbag manufacturing factories, especially for products with aluminum foil packaging that cannot be inspected by conventional magnetic conveyor metal detectors..

Superior image quality

With Super strong detectors and special designed detection system and x-ray generator, it provides x-ray images which are much clearer than that of the normal x-ray baggage scanners.

Unique system

Embedded Linux operating system with multi-core arm has simple architecture, low power consumption, energy-saving and environmental protection, and real-time status monitoring functions, to master the working process of equipment real time.

Safety and environmental protection

It meets the safety and environmental protection standards, and the one-key turn off and intelligent energy-saving had won patent.

Stable and reliable

Product R&D and production process is strictly followed ISO9001 quality management system, through strict high/low temperature test, electrostatic interference test, damp heat test and vibration test, to ensure that the product can run continuously.

General specifications

PHYSICAL SPECIFICATIONS

Best detection accuracy	Stainless steel SUS304 ball: $\phi 0.4\text{mm}$, ceramic ball: $\phi 0.8\text{mm}$, glass: $\phi 1.0\text{mm}$
Tunnel Size (LxH)	650mm (width) * 500mm (height)
Conveyor height	700 mm
Conveyor belt speed	0.2~0.6m/s adjustable
Belt bearing capacity	30kg
Parameter setting	Self learning / manual adjustment

Cooling method	Industrial air conditioner
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Alarm	Sound and light and points showing on the monitor
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Optional rejecter	NG shutdown, air jet, swing arm, push rod, sinking, flipping, etc. to be customized
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RADIATION SAFETY

Single inspection dose	less than $2.1\mu\text{Gy}$
Radiation leakage	less than $1.0\mu\text{Gy/h}$ at any point 5 cm outside the external surface
Radiation protection	Double-layer staggered, wear-resistant, 2-5mm lead curtain

X-RAY GENERATOR

Tube voltage	30-80KV, adjustable
Tube current	0.3-3mA, adjustable
Cooling/working cycle	Sealed oil cooling/100%

STRUCTURAL DESIGN

Machine frame	Advanced industrial design concepts, rust-proof, anti-corrosion, anti-cable damage-proof, solemn and stable
Anti-pinch device	Unique design under the belt at the tunnel entrance and exit, safe and reliable
High-quality belt	High-strength polyester silk woven 1.2mm green PVC rubber belt, with strong lateral stability

INSTALLATION DATA

Dimensions (without receiving rack)	1500mm (length) * 830mm (width) * 1530mm (height) TBC
Working temperature/humidity	$5^{\circ}\text{C}\sim 45^{\circ}\text{C}/0\%\sim 90\%$ (non-condensing)
Storage temperature/humidity	$-20^{\circ}\text{C}\sim 60^{\circ}\text{C}/10\%\sim 90\%$ (non-condensing)
Power supply	AC 220V ($\pm 10\%$), 50Hz $\pm 3\text{Hz}$
Power consumption	0.5KW
Packing in wooden case	170*95*160cm, 350kg TBC

COMPLIANCE

Certificates	ISO19001 CE RoHS FDA FCC
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Remarks:

The parameter above reflects the sensitivity of inspecting only the test sample on the belt, which may vary based on the products being inspected

