

Features:

2MX-5030HD-AR with auto-detection is a high-definition X-ray Scanner an advanced X-ray inspection system designed for the automatic detection of foreign objects and materials. It identifies both metallic and high-density non-metallic contaminants, as well as missing products and damaged packaging. This versatile scanner is employed across various industries, such as apparel, jewelry (including pearls), bulk materials, food, and pharmaceuticals.



Product highlights

- **High Efficiency:** Utilizing a high-speed transmission channel, the system facilitates automatic transmission and diversion, offering an adjustable pass rate per hour that significantly exceeds that of conventional channels.
- **Superior Image Quality:** Equipped with exceptionally robust detectors, a specially designed detection system, and a state-of-the-art X-ray generator, this system delivers X-ray images with clarity far surpassing that of standard baggage scanners.
- **Unique System:** Featuring an embedded Linux operating system with a multi-core ARM architecture, the system boasts a simple design, low power consumption, energy efficiency, environmental protection, and real-time status monitoring capabilities to oversee the equipment's operation continuously.
- **Safety and Environmental Protection:** Compliant with stringent safety and environmental standards, the system includes a patented one-key turn-off feature and intelligent energy-saving functions.
- **Stable and Reliable:** Developed and produced in strict adherence to the ISO9001 quality management system, the product undergoes rigorous high/low-temperature tests, electrostatic interference tests, damp heat tests, and vibration tests to ensure continuous operation for over 10,000 hours without fault.

Specifications

Detection accuracy	Stainless steel SUS304 ball: ϕ 0.4mm, ceramic ball: ϕ 0.8mm, glass: ϕ 1.0mm
Tunnel size	500 mm (width) x 300mm (height) / 20" x 12"
Conveyor height	700 mm / 28 inches
Conveyor belt speed	0.22 ~ 1 m/s adjustable
Belt bearing capacity	5 kg / 11 lbs
Parameter setting	Self-learning / manual adjustment
Inspected items packing	in bags, boxes, or any packaging.
Alarm	Sound and light and points showing on the monitor
Optional rejecter	NG shutdown, air jet, swing arm, push rod, sinking, flipping, ..etc.

Radiation safety

Single inspection dose	less than 2.1 μ Gy
Radiation leakage	less than 1.0 μ 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 - 80 KV, 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

Dimensions (with no rack)	1352 mm (length) x 680 mm (width) x 1211 mm (height) / 53" x 27" x 48"
Working temperature / humidity	5°C ~ 45°C / 0% ~ 90% (non-condensing)
Storage temperature / humidity	-20°C ~ 60°C / 10% ~ 90% (non-condensing)
Power supply	AC 220V (\pm 10%), 50 Hz \pm 3 Hz
Power consumption	0.3 KW

Drawing:

