

NUCTECH™ CX150180SI

X-ray Inspection System

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Introduction

NUCTECH™ CX150180SI X-ray Inspection System, NUCTECH' s new generation product for large parcel inspection is an advanced multi-energy X-ray security inspection system with tunnel dimensions of 1550mm width and 1810mm height. It stands out with a modern and ergonomic design for efficient and professional X-ray screening. It is perfectly suitable for security and customs requiring inspections of very large luggage, pallet cargoes at airports, customs, railway stations, ports, logistics company and warehouse, etc.

CX150180SI combined with unsurpassed operation ergonomics, reliability and safety can provide excellent image quality and advanced material classification. CX150180SI can also be adjusted to enhanced option to meet situations that require higher image quality. CX150180SI offers explosive and drug auto detection as optional.

Technology Features

- State-of-the-art technology for superior image quality with wire resolution of 0.1mm, steel penetration up to 48mm
- X-ray leakage around the equipment is close to the natural background level, which meets all published international health and safety standards
- Automatic detection and alarm of explosives and drugs
- TIP (Threat Image Projection) provides a very practical solution for operator performance monitoring and training
- Support stepwise, continuous and local zoom functions to enlarge the scanning images in flexible and quick ways.
- Images can be saved as general image format, e.g. BMP, JPG and PNG, and be transferred to USB storage devices
- Ergonomic keyboard and user interface design ensure the efficiency and professional of the X-ray screening operation
- Modular design and construction combined with full built-in diagnostic facility guarantee the efficiency of equipment maintenance

Technical Specifications

General Specifications

Tunnel Dimensions	1550mm(W) × 1805mm(H)
Roller Conveyor Speed	0.20m/s
Roller Conveyor Height	320mm
Max. Load	3000Kg

Image Performance

Wire Resolution	0.1mm(38AWG)
Steel Penetration	48mm
Display Resolution	1280 × 1024

Image Processing System

Image Enhancement	Color/BW, negative, high/low penetration, organic /inorganic stripping, general enhancement, multi-absorptivity and suspect material enhancement, etc.
Material Classification	According to atomic number signatures
ROI & Zoom	Step/stepless zoom, up to 32 times enlargement
Image Recall	Preceding images recallable
Image Storage Capability	Up to 50,000

Miscellaneous Functions

Standard Functions	Time/date display, counters, user management, system-on/X-ray-on timers, power on self test, built-in diagnostic facilities, dual-direction scanning, system log, system standby and training, etc.
Optional Functions	Explosives/narcotics detections, high-density area alert, threat image projection (TIP)

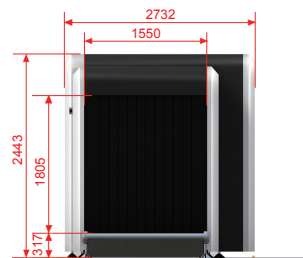
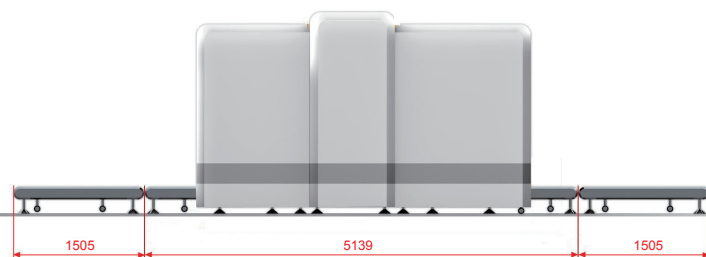
Health and Safety

X-ray Leakage	Less than 1μGy / h (5cm from the housing), complies with all published international standards
Film Safety	Guaranteed for high speed film up to ASA/ISO1600 (33DIN)

Installation Data

Dimensions	5131 mm(L) × 2732mm(W) × 2393mm(H)
Weight	3100Kg
Storage Temperature / Humidity	-40°C ~ +60°C / 5% ~ 95% (non-condensing)
Operating Temperature / Humidity	0°C ~ +40°C / 5% ~ 95% (non-condensing)
Power Supply	220VAC/110VAC (-15%~ +10%), 50 Hz/60Hz ± 3Hz
Power Consumption	2.3kVA

Note: Image performance specifications are based on test piece complying with GB 15208.2-2006.



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NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF QUALITY MANAGEMENT SYSTEM (ISO9001:2000)
 NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF ENVIRONMENTAL MANAGEMENT SYSTEM (ISO14001:2004)
 NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM(OHSAS18001:2001)

