

NUCTECH™ XT Series

CT Inspection System



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Technical Features

- Advanced automatic detection of explosives and contrabands by 2-dimensional signature of atomic number and density
- XT series have received certifications from government agencies including European Civil Aviation Conference (ECAC) and the Civil Aviation Administration of China (CAAC)
- High throughput due to the revolutionary design of no-return scanning
- Capable of screening extra long oversize baggage
- Ergonomic user interface with automatic visual and sound alarm
- Standalone and integrated in-line modes enabled
- Less expensive as well as low operating and maintenance cost with the smallest footprint

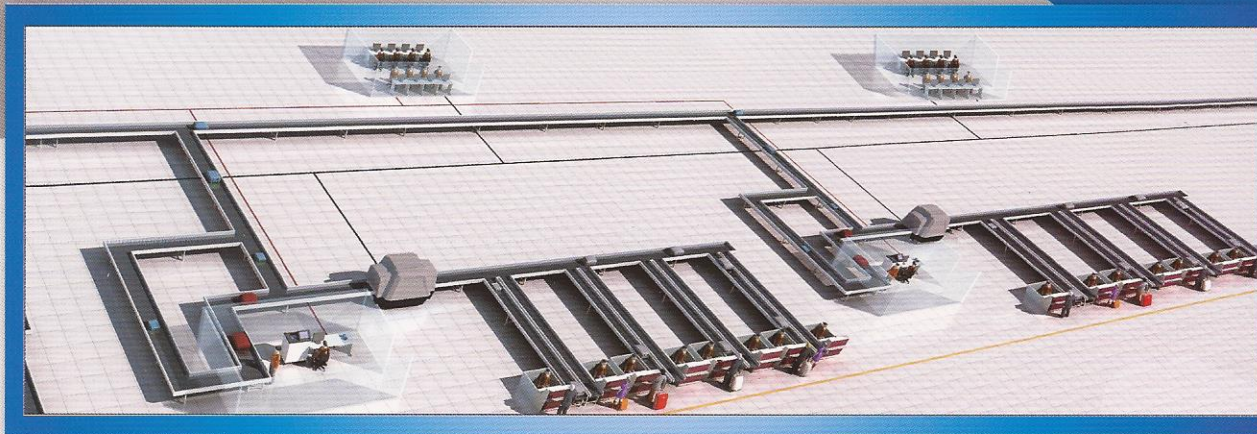
Summary

The NUCTECH™ XT series based on the next generation dual-energy spiral Computed Tomography platform, is capable of detecting bulk explosives and contrabands automatically, with the lowest false alarm rate.

The XT series provides high detection capabilities and superior imaging performance, as well as compact framework and high throughput, is an ideal and economical solution for all security applications.



NUCTECH™ XT Series CT Inspection System



Technical Data

General Specifications

Technical Principle	Dual-energy Spiral Computed Tomography
Readout	X-ray conventional images and CT images, with automatic visual and sound alarm
Image Archive	Up to 10,000 images
Image Enhancement	Color/BW, negative, organic /inorganic stripping, general enhancement and edge enhancement, etc.
Image Zoom	Stepwise/stepless zoom, up to 16 times enlargement
Image Recall	All preceding images recallable
Communication Interface	USB and Ethernet LAN
Radiation Safety	Less than 1uSv/h (5cm from the housing), complying with all published international standards

Products

XT1080/XT2080

Tunnel Dimensions(Diameter)	800mm
Conveyor Height	710mm
Load Capacity	200Kg
Wire Resolution	40AWG
Steel Penetration	32mm
Throughput	430BPH/700BPH optional
Dimensions(L×W×H)	2640mm×1640mm×1820mm /2640mm×1660mm×1740mm optional
Weight	2400Kg
Operating Temperature / Humidity	0°C ~ +40°C / 5% ~ 95% (non-condensing)
Storage Temperature / Humidity	-40°C ~ +60°C / 5% ~ 95% (non-condensing)
Power Supply	220/110VAC (-15% ~ +10%), 50/60Hz±3Hz

Note: Image performance specifications are based on test piece complying with CAAC standard.

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