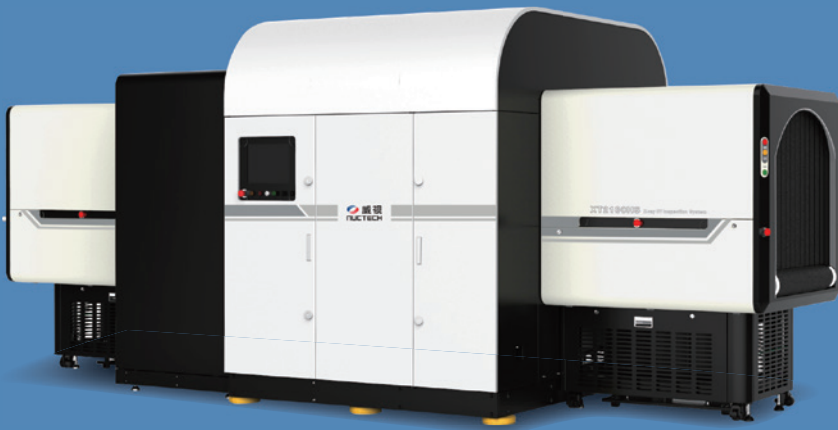


NUCTECH™ XT2100HS

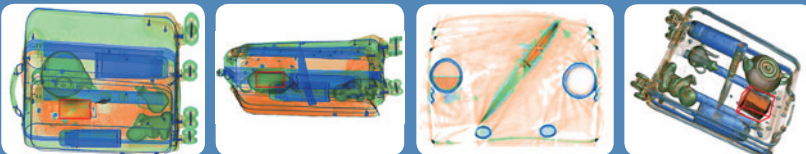
X-ray CT Inspection System

Creating a safer world



The NUCTECH™ XT2100HS is a newly developed CT (Computed Tomography) inspection system developed by NUCTECH COMPANY LIMITED. The system innovatively combines dual-energy material discrimination technology with spiral CT technology. With multidimensional information acquired by the system, it automates explosives / liquid explosives/ narcotics detection and alarms with a higher probability of detection and lower false alarm rates.

Designed with a larger tunnel size and a higher throughput, the XT2100HS is an ideal security solution for airports, Customs, transportation stations, government buildings, public activities, etc.



Technical Features

- The throughput is up to 1800BPH (0.5m/s). Meter-wide tunnel satisfies most checked baggage inspection and BHS integration requirements and applies to various scenes.
- Discriminating different materials and detecting various contraband like explosives and narcotics with higher probability of detection and lower false alarm rate, achieved CAAC and ECAC EDS Std. 3.
- Inspecting objects in 360 degrees free of blind corners and identifying the contraband more easily with a more intuitive image.
- Easier to detect the contraband concealed in interlayers or placed in a particular angle.
- Generates high-resolution DR images in two different angles and displays tiny thin objects like matches and lighter cores more easily.
- Customized design according to BHS manufacturer's interface protocol, capable of integrating and communicating with any brand of BHS manufacturers.
- With the dual-energy CT technology, material information is acquired to colorize different materials with different colors in 3D images.
- Achieving the TIP in 3D images and providing effective methods for training and evaluating operators.
- Realizing remote resolutions, operations and diagnoses and sharing the data between different areas with the help of cloud computing technology.
- Modular design enables easy replacement of key components and convenient maintenance, reducing time and labor.
- Exclusively providing 3D image processing functions such as 3D measurement, 3D mark, 3D super penetration, etc., helping making decisions more effectively and efficiently.

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Technical Data

General Specifications

Tunnel Dimensions	Max. Width: 1004mm, Max. Height: 890mm
Max. Baggage Size	2000mm(L)×1000mm(W)×600mm(H) 2000mm(L)×750mm(W)×750mm(H)
Conveyor Height	848mm
Conveyor Load	200kg
Throughput	1800BPH
DR Wire Resolution	40AWG
DR Steel Penetration	40mm
CT Spatial Resolution	2mm line pair
Display Monitor	Color monitor / High resolution of 1920×1080

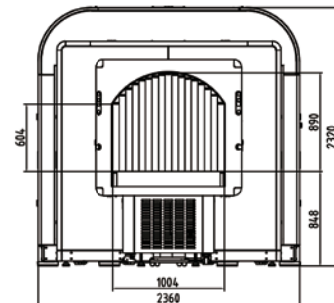
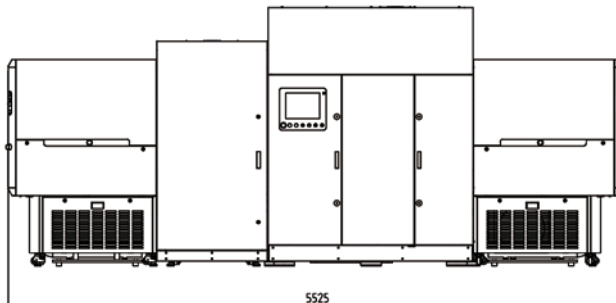
Image Processing System

DR Image Processing	Color / BW, Negative, Edge enhancement, General enhancement, Organic stripping, Inorganic stripping, High-energy Penetration, Pseudo-color, etc.
3D Image Processing	Color / BW, Negative, Edge enhancement, Super penetration, Organic stripping, Inorganic stripping, 3D mark, 3D measurement, Threat single display, etc.
ROI & Zoom	Selectable image zoom regions, 1~64 times enlargement
Data Storage Capacity	Over 10,000 images

Installation Data

Dimensions / Weight	5525mm(L)×2360mm(W)×2320mm(H) / <7500kg
Operating Temperature / Humidity	0°C ~ +40°C / 5% ~ 95% (non-condensing)
Storage Temperature / Humidity	-40°C ~ +60°C / 5% ~ 95% (non-condensing)
Power Supply	Three-phase, 380VAC (-15% ~ +10%), 50Hz / 60Hz±3Hz
Power Consumption	12kVA

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



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Design and specifications are subject to change without notice.



NUCTECH AWARDED THE CERTIFICATE OF QUALITY MANAGEMENT SYSTEM (ISO9001:2008)
NUCTECH AWARDED THE CERTIFICATE OF ENVIRONMENTAL MANAGEMENT SYSTEM (ISO14001:2004)
NUCTECH AWARDED THE CERTIFICATE OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM (GB/T28001-2011)

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