

PRODUCT C A T A L O G

CREATING A SAFER WORLD



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 NUCTECH

SECURITY

www.nuctech.com

Cargo / Vehicle Inspection System



NUCTECH™ FG Series Fixed Cargo/Vehicle Inspection System

Optimized security solution for high throughput seaports and borders
Reliable performance with comfortable working environment
Advanced Interlaced Dual Energy (IDE) Imaging and Dual View technologies
Customized suspicious object review function using CT technology

NUCTECH™ MB Series Relocatable Cargo/Vehicle Inspection System

Efficient and cost-effective security solution with high penetration and small footprint
Modularized design and self-shielding structure for convenient relocation and rapid deployment
Advanced IDE Imaging Technology for material discrimination and high-quality images



NUCTECH™ MT Series Mobile Cargo/Vehicle Inspection System

Unique mobile security solution with engineered flexibility
High performance autonomous intelligent system integrating design, function and comfort
Advanced IDE Imaging Technology for high quality material discrimination and alternative scanning mode to fulfill individualized requirements
Lower scanning height, excellent penetration capability, and powerful image processing tools

NUCTECH™ FS Series Fast-Scan Cargo/Vehicle Inspection System

Secure vehicle drive-through scanning mode and non-distortion image generation at high speed
Compact modular design improves system relocatability
Advanced IDE Imaging Technology and seamless integration with subsystems including CCR, LPR, and RFID etc.



NUCTECH™ RF Series Railway Cargo/Vehicle Inspection System

Secure train drive-through scanning mode and non-distortion image generation at higher speeds
Automatic scanning and processing for freight trains
Advanced IDE Imaging Technology for material discrimination
Able to scan the trains running on single, double, or multi-track railway



NUCTECH™ AC Series

Air Cargo Inspection System

Unique high-performance aviation security solution for air cargo inspection
Matches airport operation flow and provides auto-alarm without unpacking
Advanced FINDEX technology to realize high quality material discrimination

NUCTECH™ PB Series

Cargo/Vehicle Inspection System

Field-tested, compact security solution for cargo and vehicle inspection
High inspection efficiency and reliability
Advanced Dual-view and IDE Imaging technologies for precise scan



NUCTECH™ CS Series

Passenger Car Inspection System

Top-view scanning image with excellent quality
Innovative conveyor system moves the car through the scanning tunnel smoothly at a constant speed
Drive-through mode for continuous scanning of passenger cars
Easy and quick deployment and installation with minimum external infrastructure requirements

NUCTECH™ MR Series

Robot-Like Cargo/Vehicle Inspection System

Intelligent wheel-driving inspection system
Superior penetration capability and scanning functions
Strongly suited for multiple scenarios and environments without the need for rail, shield, and other infrastructural facilities



NUCTECH™ BX Series

Backscatter Cargo/Vehicle Inspection System

Low-energy X-ray and photo-like images for safe scanning and easy viewing
Backscatter imaging to increase the efficiency and accuracy of organic material discrimination
Can be applied as a single product line or work together with transmission imaging module to provide more comprehensive information

NUCTECH™ WETAN Series

Cargo/Vehicle Backscatter Inspection System

The WETAN series, based on backscatter imaging technology, robot technology and artificial intelligence, is a series of miniaturized imaging devices with strong detection capabilities. Mobile and flexible, it can achieve real-time imaging inspection of vehicles and cargoes.



CT Inspection System

NUCTECH™ Kylin Series

X-ray Inspection System

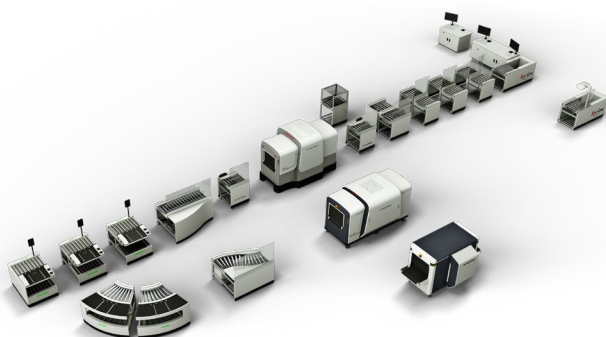
Dual energy and dual imaging technologies (CT & X-ray)
Automatic detection of explosives and narcotics
Weapon detection, and laptop/threat stripping capabilities
Higher throughput, quicker inspection and enhanced AI algorithms



NUCTECH™ XT Series

X-ray CT Inspection System

Explosive Detection System based on dual-energy spiral CT technology
Automatic detection of explosives and narcotics
High throughput and low false alarm rate



NUCTECH™ Key-Line

Smart Checkpoint Solution

High Compatibility: CT or Single/Dual/Multi-view X-ray machine
High Throughput: Enhanced passenger's travel experience
Modular Design: Customized length and functionality
High Efficiency: Automatic diversion, tray return and tray recognition



NUCTECH™ WooKong Series

Stationary Dual-energy CT Imaging Technology

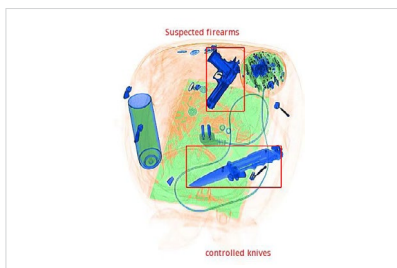
Tunnel opening of 1m × 1m with compact dimensions
Automatic detection of explosives and narcotics
High conveyor speed and throughput

NUCTECH™ CTitan Series

Consolidated Air Cargo X-ray Inspection System

Stationary CT imaging technology with no rotating gantry
High-resolution 3D images of consolidated air cargo
Enlarged tunnel of 4m (h) × 3m (w) for screening ULD
Automatic detection of explosives and lithium batteries





NUCTECH™ WEKNOW Series

AI Automatic Threat Detection System

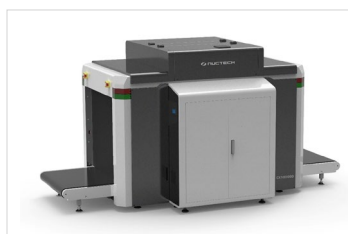
Designed specifically for upgrading the detection capabilities of existing and new X-ray scanners

Automatic detection of 50+ threats and contrabands

High recognition accuracy and screening efficiency

Continuous learning and enhancement of AI algorithms

X-ray Inspection System



NUCTECH™ CX Series

X-ray Inspection System

Unsurpassed high image quality from optimized X-ray generator and advanced detector

Advanced dual-view and dual-energy technologies

Efficient operating with ergonomically designed user interface

X-ray generator covering multiple energy levels(100kV/160kV/200kV/320kV)



NUCTECH™ PX Series

Portable X-ray Inspection System

With its compact and light-weighted design, PX3030CH/PH is most suitable for tasks which requires rapid deployment of Non-Intrusive Inspection (NII) devices, and can be applied to scenarios such as Explosive Ordnance Disposal, On-site Criminal Investigation, Factory Sampling Inspection, etc.

NUCTECH™ MX Series

Mobile X-ray Inspection System

Vehicle-based X-ray inspection system with high mobility

Independent power generator

Large space for operators with built-in air conditioner



NUCTECH™ BMX Series

Handheld Backscatter X-ray Inspection System

High-performance and handheld real-time imaging

Scan objects in hard-to-reach areas including tires, vehicle doors, suspicious bags, mechanical parts, walls, and furniture

Widely used in airports, highway checkpoints, customs, government facilities, and critical infrastructure

People Inspection System



NUCTECH™ MW Series

Body Inspection Device

Active millimeter wave imaging technology
Non-ionizing radiation with enhanced privacy protections
Low power consumption with a small footprint and wide channel to allow wheelchairs
Automatic threat detection, ECAC SSC standard 2.1



NUCTECH™ HT Series

Body Inspection System

Whole body inspection system with low-dose transmission X-ray imaging technology
Strong detection for both inside and outside body
High-quality and real-time images
Widely used in checkpoint scenarios including at prisons, border crossings and special events



NUCTECH™ TH Series

Terahertz Imaging Instrument

Real-time, contactless body screening without stopping
Non-ionizing radiation with enhanced privacy protections
Large field of view-detection distance up to 4 meters
Throughput of more than 2,000 people per hour
Deep learning to automatically detect potential threats



NUCTECH™ BS Series

Body Inspection System

Smart walk-through weapon/cellphone detector
Quickly displays the suspicious items with audio & visual alarm and image & text on the screens
Filters out daily carried items

Explosives and Narcotics Detection System



NUCTECH™ TR Series

Explosives and Narcotics Trace Detector

Simultaneous explosives and narcotics detection
Patented design of IMS tube with ultimate detection sensitivity
Low consumable cost for both operation and maintenance

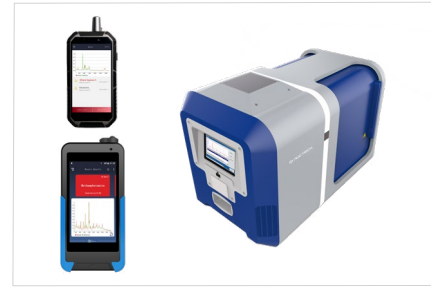
NUCTECH™ RT Series

Nondestructive Substance Identification

Analyze and identify narcotics, explosives, and Liquids, Aerosols and Gels (LAGs) in approximately five seconds

Accurate and flexible identification with an expandable substance identification library

Non-destructive, non-radioactive and minimal training required



NUCTECH™ VR1000

Under Vehicle Inspection Robot

Entire high-resolution image of under the vehicle and real-time video

Remote operation from a safe distance

Lightweight and engineered for rapid deployment and relocation

NUCTECH™ GR5000

Intelligent Patrol Inspection Robot

24/7 Autonomous Indoor & Outdoor Patrol

360° Panoramic Monitoring with AI Detection

Remote Monitoring & Two-way Control



Radiation Detection



NUCTECH™ RM Series

Radiation Detection

RM series, which leverages multiple radiation detection technologies, can be used for radioactive material monitoring, dose rate measurement, radioisotope identification, radioactivity measurement, radioactive source location, and radiation distribution imaging among other functions.

E-beam Irradiation System

NUCTECH™ IS Series

E-beam Irradiation System

Irradiate mail, food, medical apparatus, and sterilize pathogens fast and completely

Customized E-beam security solution for wide industrial irradiation application

High efficiency without damage or radiation remnant





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