Cargo / Vehicle Inspection System

NUCTECH™ FG Series
Fixed Container/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 Container/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 Container/Vehicle Inspection System

Unique mobile security solution with engineered flexibility
High performance autonomous intelligent system with compact modular design
Advanced IDE Imaging Technology for high quality material discrimination and fast-scan mode for high throughput
Lower scanning height, excellent penetration capability, and powerful image processing tools

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

Secured 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.

PRODUCT
CATALOG

CREATING A SAFER WORLD

EN

NUCTECH

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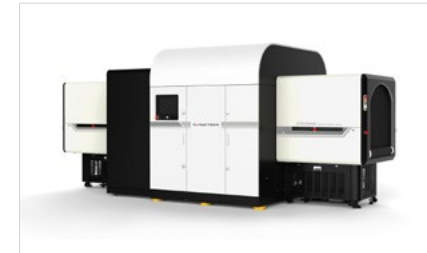SECURITY

WWW.NUCTECH.COM

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
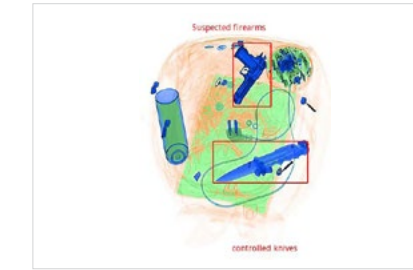High conveyor speed and throughput

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™ WePass Series
Smart Access Control System

Fast ID recognition and verification
Explosives and volatile flammable liquids detection (for WePass E)
High integration ability with on-site information system
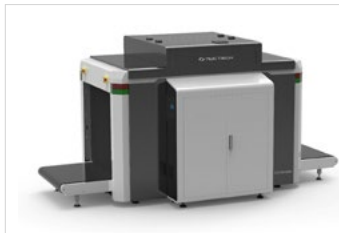Convenient remote centralized control operation

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™ 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™ BXM Series
Handheld Backscatter 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; CAAC Level A

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™ BX Series
Body Inspection System

Based on ultra-low dose backscatter imaging technology
Strong detection (metal/non-metal) with privacy protection
Automatic threat detection (ATD) and radioactivity monitoring (RM)

NUCTECH™ BI 2002
Body Inspection System

Non-intrusive body scanner based on X-ray imaging technology
Full radiation protection design
Targeted scanning of area of interest only for minimal X-ray radiation exposure

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 & IF2000
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

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