

# THSCAN<sup>®</sup> CX100100T X-RAY INSPECTION SYSTEM

## THSCAN<sup>®</sup> CX100100T SPECIFICATIONS

General specifications	
Tunnel Dimensions	1010mm (W) × 1005mm (H)
Conveyor Speed	Approx.0.20m/s
Conveyor Height	300mm
Max. Load	200kg
Wire Detect Ability	38AWG (φ0.1mm metal wire)
Penetration (Steel)	25mm (guaranteed) 30mm (typical)
Dose Per Inspection	Less than 1μSv
Film Safety	Safe for film complying ASA/ISO1600

X-Ray Generator	
Anode Voltage	140kV
Cooling/Duty Cycle	Oil cooling/100%

Image Generating System	
X-ray Converter	L-shaped Detector Array
Grey Levels Stored	4096 (12bits)
Image Processing	24bits processing
Data Storage Capacity	At least 10000 pieces of image
Image Presentation	B/W, Multi-energy, Inorganic stripping, Organic stripping, Super enhancement, Negative, High penetration, Low penetration etc.
ROI & Zoom	Selectable image zoom regions:1.5~8 time enlargement
Image Recall	Preceding image recallable (10m of objects)
Monitor	17" high resolution color monitor

Additional Features	
Standard Features	Date/Time Display, Auto-Count of Objects, Operator ID Code, Maintenance Log, System-on/ X-Ray-on Timers, Display of Operating Mode, Power-on Self-diagnosis, Service Menu, All-directional Image Scrolling

Options	
Treat Area Alert / Interactive Detection of Explosives & Drugs / Treats Images Projection	

Installation Data	
X-Ray Leakage	Less than 1μSv /h (at a distance of 5cm from the housing), complying with all published international standards
Castor	Removable
Dimensions	3600mm(L)× 1300mm(W)× 1980mm (H)
Weight	1160kg
Storage Temperature / Humidity	- 40°C ~ + 60°C /10%~ 95% (Non-condensing)
Operating Temperature / Humidity	0°C ~ + 40°C /10%~ 95% (Non-condensing)
Power Supply	220VAC / 110VAC, +10% /-15% 50Hz / 60Hz, ±3Hz
Power Consumption	1 kVA

## Company Locations

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NUCTECH HAS ACQUIRED THE CERTIFICATE OF QUALITY MANAGEMENT SYSTEM (ISO9001:2000)  
NUCTECH HAS ACQUIRED THE CERTIFICATE OF ENVIRONMENTAL MANAGEMENT SYSTEM (ISO14001:2004)  
NUCTECH HAS ACQUIRED THE CERTIFICATE OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM (OHSAS18001:1999)

