

# NUCTECH™ MX9080TB MOBILE X-RAY INSPECTION SYSTEM



EN



## Introduction

NUCTECH™ MX9080TB Mobile X-ray Inspection System provides an extremely suitable solution for mobile x-ray inspection with tunnel dimension of 900mm (W) × 808mm (H). It stands out with a modern and ergonomic design for efficient and professional X-ray screening.

MX9080TB provides excellent image quality and advanced material classification, combined with unsurpassed operation ergonomics, reliability and safety. For its characteristic of flexibility and quick response, MX9080TB is ideal for mobile security inspection of baggage, luggage and parcels at airports, customs, railway stations, police stations, etc.

## Technology Features

- State-of-the-art technology for superior image quality with wire resolution of 0.08mm, steel penetration up to 34mm
- X-ray leakage around the equipment is close to the natural background level, which meets all published international health and safety standards
- Automatic detection and alarm for explosives and drugs
- TIP (Threat Image Projection) provides a very practical solution for operator performance monitoring and training
- Support stepwise, continuous and local zoom functions to enlarge the scanning images in flexible and quick ways.
- Images can be saved as general image format, such as BMP, JPG and GIF, and be transferred to USB storage devices
- Comfortable and suitable position of the operating cab with CCTV system, intercom system, air conditioning system, etc
- Equipped with power generator, easy to switch between city mains and on board generator
- Modular design and construction combined with full built-in diagnostic facilities guarantee the efficiency of equipment maintenance

# Technical Specifications

## General Specification

Tunnel Dimensions	900mm (W) × 808mm (H)
Conveyor Speed	0.20m/s
Conveyor Height	Approx. 800mm
Max.Load	200kg
Wire Resolution	38AWG (Φ0.1mm metal wire)
Steel Penetration	34mm
Display Monitor	17" color LCD monitor / high resolution of 1280 × 1024

## X-Ray Generator

Anode Voltage	160kV (adjustable)
Cooling/Duty Cycle	Sealed oil bath / 100%

## Image Processing System

Image Enhancement	Color/BW, Negative, High/Low penetration, Organic / Inorganic stripping, General enhancement, Multi-absorptivity, Pseudo color, etc
ROI & Zoom	Selectable images zoom regions, 1-32 times enlargement
Image Recall	Preceding images recallable
Data Storage Capacity	Up to 50,000 images

## Health and Safety

X-Ray Dose per Inspection	Less than 3μSv
X-Ray Leakage	Less than 1μSv/hr (5cm from the housing), complies with all published international standards
Film Safety	Guaranteed for high speed film up to ASA/ISO 1600 (33DIN)

## System Function

Date/time display, Luggage counter, Operation log, User management, System-on/X-ray-on timers, Power on self test, Built-in diagnostic facility, Image recognition training

## Options

High-density area alert, Explosives / drugs detection, Threat image projection, Sun visor, Alarm light, CCTV system, Broadcasting system

## Operating Environment

Power Supply	City mains/On board generator 220VAC/110VAC,(-15% ~+10%); 50Hz/60Hz, ±3Hz
Operating Temperature/ Humidity	0°C ~ +40°C / 5% ~ 95% (non-condensing)
Storage Temperature/ Humidity	-40°C ~ +60°C / 5% ~ 95% (non-condensing)

## Chassis Data

Vehicle Standard	Mercedes-Benz Sprinter Van 515CDI
Engine	Diesel oil
Dimensions / Weight	6945 (L) mm × 1993(W) mm × 3100 (H) mm (including air conditioner) / 5000kg
Emission standard	Europe III / Europe IV / Europe V (optional depending on local Mercedes-Benz 515CDI vehicle chassis dealing policy)

### NUCTECH COMPANY LIMITED

Address: 2/F Block A, Tongfang Building,  
Shuangqinglu, Haidian District,  
Beijing 100084, P.R.China

Tel: +8610 82393366  
Fax: +8610 82393310  
Http://www.nuctech.com

### NUCTECH SYDNEY PTY LTD.

Address: Suite 4.04, 77 Dunning Avenue,  
Rosebery NSW 2018 Australia  
Tel: +612 96622307/96622317  
Fax:+612 96622371

### NUCTECH HONG KONG COMPANY LTD.

Address: Room 1602, The Metropolis Tower,  
10 Metropolis Drive, Hunghom  
Kowloon Hong Kong  
Tel: +852 27221828  
Fax:+852 27221849

### NUCTECH WARSAW COMPANY LIMITED SPOTKA Z.O.O.

Address: ul. Pandy 18  
02-202 Warsaw Poland  
Tel: +4822 6591545  
Fax: +4822 6581483

### NUCTECH COMPANY LTD. SUCURSAL ARGENTINA

Address: Juana Azurduy 1520, Piso 4  
Oficina C, Buenos Aires,  
Argentina  
Tel: +5411 47045924  
Fax: +5411 47045459  
Mobile: +54911 66630041/65314065

### NUCTECH COMPANY LTD. SUCURSAL VENEZUELA RIF: J-30949364-7

Address: Av. Francisco de Miranda, Centro  
Plaza, Torre A Piso 19, Oficina 19-C-D,  
Caracas, Venezuela  
Tel: +58212 2852594/2854194  
Fax: +58212 2854194  
Mobile: +58412 3217001

090610

Copyright © 2009 NUCTECH COMPANY LIMITED, All Rights reserved.  
Design and specifications are subject to change without notice.  
Printed in CHINA, June 2009.



NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF QUALITY MANAGEMENT SYSTEM (ISO9001:2000)  
NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF ENVIRONMENTAL MANAGEMENT SYSTEM (ISO14001:2004)  
NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT  
SYSTEM(OHSAS18001:2001)

