



MW1000AA  
Body Inspection System

EN

# NUCTECH™ MW1000AA

## Body Inspection System

### Introduction

NUCTECH™ MW1000AA is a high-performance, proven people screening solution designed and manufactured by NUCTECH. The system uses safe, millimeter radio wave (MMW) technology to automatically detect concealed objects hidden inside or under clothing, including but not limited to metal/non-metallic weapons, IEDs, liquids, narcotics etc.

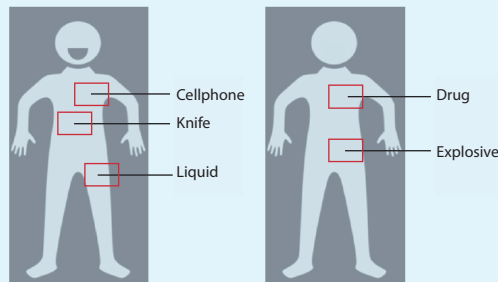
NUCTECH™ MW1000AA uses a wide-bandwidth three-dimensional holographic microwave imaging technique (with neural network-based deep learning) to achieve automatic threat recognition. The system requires a single stationary position from the person being scanned for a two second scan. No special movements are needed.

NUCTECH™ MW1000AA provides additional features in its compactness, high throughput and unique privacy protection. The personnel scanning system is adaptable and ideally suited for personal security inspections at airports, customs, train or subway stations, secret agencies, commercial buildings, military bases, special events and other checkpoints.

### Technical Features

- **Millimeter wave imaging technology**  
Active millimeter wave imaging technology. No ionizing radiation emitted.
- **Superior inspection capability**  
Effective detection of metal/non-metallic weapons, IEDs, liquids and narcotics concealed under clothing.
- **Privacy protection**  
Generic image displayed to protect privacy.
- **Automatic threat detection**  
Meets ECAC standard 2.  
Meets CAAC A level.
- **Multiple operation mode**  
Compatible with stand-alone operation, remote operation, mobile operation, and integrated solution.
- **Convenient maintenance**  
Modular design, key components are easy to repair and replace, saving time and labor.
- **Small footprint**  
Easy to fit in most checkpoints, wheelchairs allowed.





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## Technical Specifications

### General Specification

Inspection mode	Non-contact
Scan time	< 2s
Standard operator number	1
Imaging capabilities	Metal/non-metallic weapons, explosives, drugs, liquids, etc.

### Imaging Processing System

Automatic threat recognition	Yes
Privacy protection	Yes
Image processing (optional)	Contrast & brightness adjustment, reverse, pseudo color, etc.

### Installation Data

System dimensions	2498mm (H) × 1408mm (W) × 1706mm (D)
Tunnel dimensions	2200mm (H) × 750mm (W) × 1188mm (D)
Weight	550 kg
Power supply	110V/220VAC, 50/60Hz
Power consumption	1kW (Peak)
Operating temperature/humidity	0°C ~+40°C , 0% ~93% (non-condensing)
Storage temperature/humidity	-20°C ~+55°C , 0% ~93% (non-condensing)

### Advanced Function

Optional feature	Foot metal detection, remote control, centralized detection & management, mobile inspection, etc.
Certificates	ECAC std.2, CE



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NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF QUALITY MANAGEMENT SYSTEM (ISO9001:2008)  
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 (GB/T28001-2011)

