



MW1000AA  
Body Inspection Device

EN

# NUCTECH™ MW1000AA

## Body Inspection Device

### Introduction

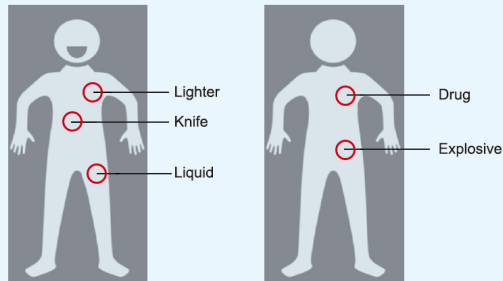
NUCTECH™ MW1000AA is a high-performance, proven people screening solution designed and manufactured by NUCTECH. The device uses safe, millimeter radio wave (MMW) technology to automatically detect concealed objects hidden inside or under clothing, including but not limited to metal/non-metallic weapons, 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 device 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 device 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.
- Fast and efficient**  
Complete whole body scan less than 2 seconds with hand-down posture.
- Privacy protection**  
Generic image displayed to protect privacy.
- Automatic threat detection**  
Obtains ECAC (European Civil Aviation Conference) SSc A2.  
Obtains CAAC (Civil Aviation Administration of China) A level.
- Multiple operation modes**  
Compatible with stand-alone mode (only local device), provide one or more re-check stations (shown generic picture) and remote work stations (shown real-image) upon requirement.
- Environment friendly**  
Low power consumption, small footprint, wide channel, wheelchairs allowed.



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## Technical Specification

### General Specification

|                              |                                                              |
|------------------------------|--------------------------------------------------------------|
| Inspection mode              | Non-contact                                                  |
| Scan time                    | < 2s                                                         |
| Standard operator number     | 1                                                            |
| Imaging capabilities         | Metal/non-metallic weapons, explosives, drugs, liquids, etc. |
| Automatic threat recognition | Yes                                                          |
| Privacy protection           | Yes                                                          |
| Certificates                 | ECAC SSc A2, CAAC A level, CE.                               |

### Installation Data

|                                |                                          |
|--------------------------------|------------------------------------------|
| System dimensions              | 2498mm (H) × 1408mm (W) × 1188mm (D)     |
| Tunnel dimensions              | 750mm (W) × 1188mm (D)                   |
| Weight                         | 550kg                                    |
| Power supply                   | 110V/220VAC, 50/60Hz                     |
| Power consumption              | 1kW (Peak)                               |
| Operating temperature/humidity | -5°C ~ +45°C, 0% ~ 93% (non-condensing)  |
| Storage temperature/humidity   | -20°C ~ +55°C, 0% ~ 93% (non-condensing) |

### Advanced Function

|                  |                                                                                                       |
|------------------|-------------------------------------------------------------------------------------------------------|
| Optional feature | Foot metal detection, re-check station, remote work station, centralized detection & management, etc. |
|------------------|-------------------------------------------------------------------------------------------------------|



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