

# SMD601 Plus Profiling

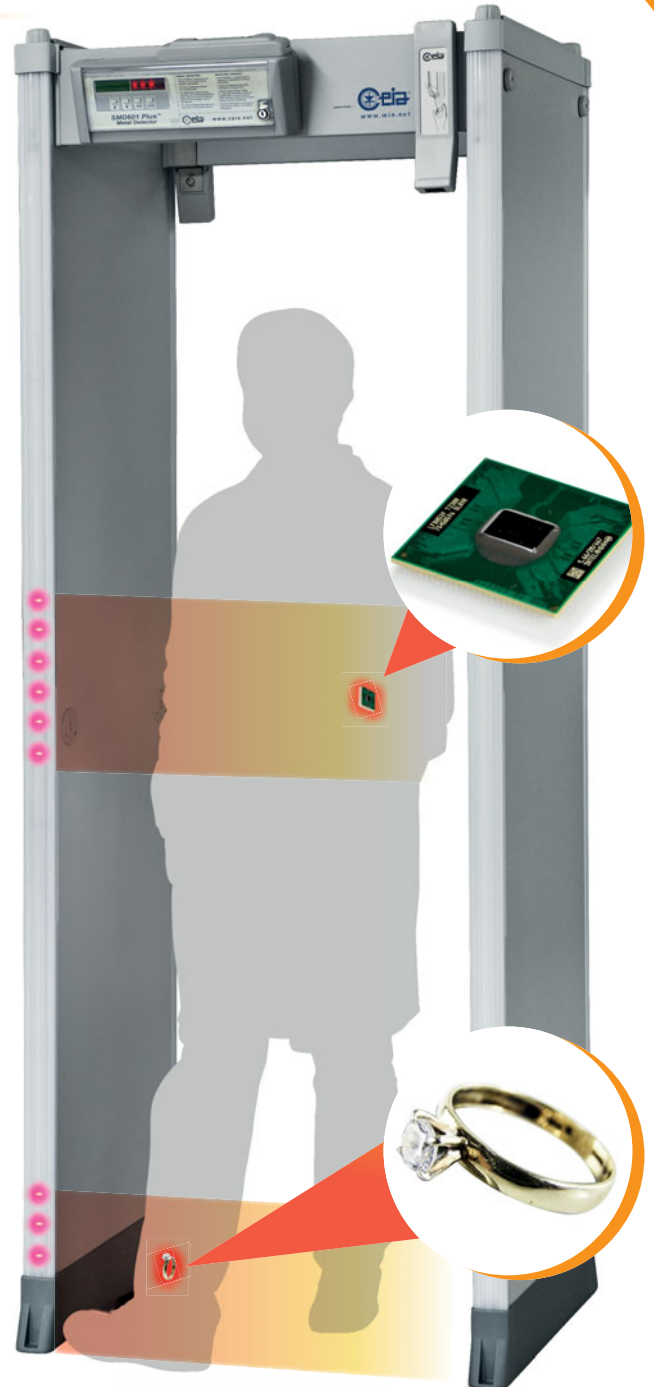
## LOSS PREVENTION METAL DETECTOR

### SYSTEM OVERVIEW

- Provides an inspection of personnel to prevent removal of critical metallic objects from warehouses or production facilities
- Discovers very small metallic items while ignoring non-removable metals
- Detects items carried anywhere on and inside the body

### BENEFITS

- Greatly reduces losses through unprecedented detection levels and deterrence
- Increased throughput by pinpointing of alarm locations
- Extremely low nuisance alarm rate at high sensitivities
- Improves privacy with non-invasive search
- Random selection capability included
- Stand-alone solution [no PC or Server required]
- Simplified networking implementation [for multi-checkpoint requirements]



**SMD601 Plus**, the only Metal Detector on the market with extremely **high sensitivity** and **uniform detection**



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Threat Detection through Electromagnetics

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# SMD601 Plus Profiling

## LOSS PREVENTION METAL DETECTOR



### SMD601 Plus Profiling: HOW IT WORKS

✓ **QUICK, ACCURATE ANALYSIS OF ALL PARTS OF THE BODY OF PEOPLE IN TRANSIT**

The superior uniformity of the electromagnetic field of the SMD601 Plus Metal Detector provides very consistent metal detection readings on every transit.

This ground-breaking capability allows for individual creation of personal metallic signatures or metallic "profiles".

✓ **TRUE METAL CONTENT PROFILE FOR THE PERSON BEING SCREENED**

These profiles can be taken while the individual may be wearing non-removable items, like dental works, medical implants, wedding rings and piercings, and are stored in the SMD601 Plus embedded data base.

These personal profiles are used as a reference for every transit carried out by an individual, allowing detection of small targets while ignoring non-removable personal objects.




### SYSTEM LAYOUT



### ORDERING INFORMATION

SMD601 Plus Metal Detector	part # SMD601Plus/PZ
1D/2D Barcode Reader	part # 1D/2DReader/P
APSiM 3 Plus Integrated Web-server & Logger	part # APSiM3Plus/P

### OPTIONS

User cards	 part # Profiling-card-100
Enrollment cards	 part # Enroll-card-10
	 part # EZ-Enroll-card-10
MDNA - Metal Detector Network Appliance	part # MDNA
Test kit Precious Metal	part # V/UHS-LPPM-KIT
Test kit Information Technology	part # V/UHS-LPIT-KIT

## SCREENING SEQUENCE



### ✓ HIGH SENSITIVITY SCREENING OF PEOPLE WITH OR WITHOUT IMPLANTED METAL OBJECTS

1



**1** A profiled user presents their badge to the barcode reader.

**2a** The user transits through the Metal Detector.

The Metal Detector ignores profiled non-removable metal objects and does not alarm.

**2b** The user transits through the Metal Detector with a target object. The target is detected and the Metal Detector shows its position.

2a



2b



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### ▶ EXAMPLES OF TARGET ITEMS

- ✓ ELECTRONICS
- ✓ PRECISION MECHANICS
- ✓ JEWELRY
- ✓ PRECIOUS METALS



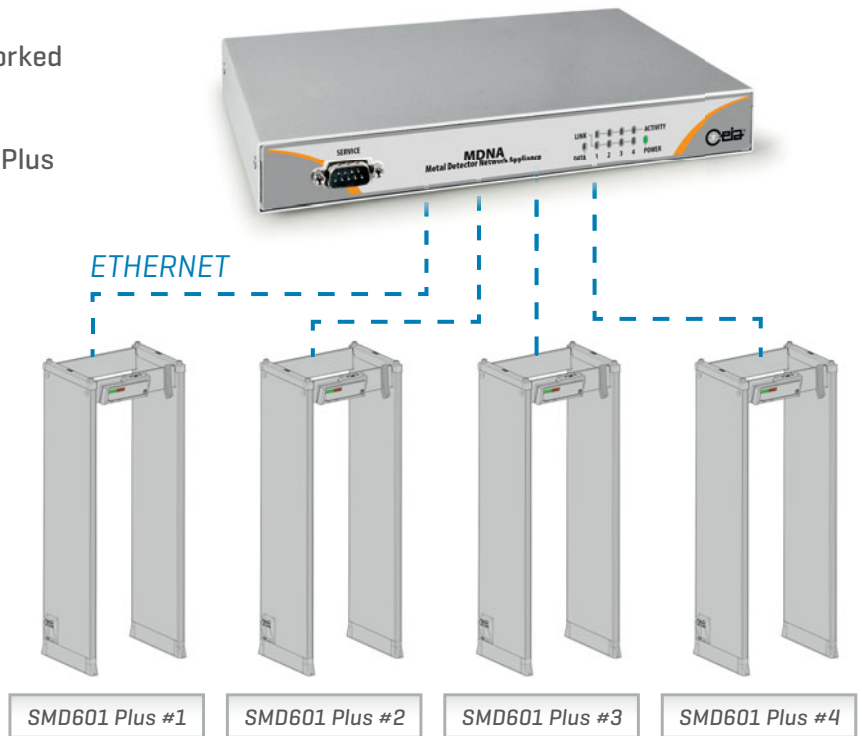
### ▶ EXAMPLES OF OBJECTS THAT CAN BE PROFILED

- ✓ MEDICAL IMPLANTS
- ✓ DENTAL WORKS
- ✓ WEDDING RINGS
- ✓ EAR RINGS
- ✓ PIERCING



## MDNA - METAL DETECTOR NETWORK APPLIANCE

- Share User Profiles between up to 50 networked Metal Detectors
- Allows Users to transit through any SMD601 Plus performing a single global enrollment
- Keeps a redundant copy of the User Electromagnetic Profiles
- 4 Ethernet ports to directly connect up to 4 Metal Detectors without additional Ethernet switches
- Full web-based User interface
- Automatically joins directly attached SMD601 Plus



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