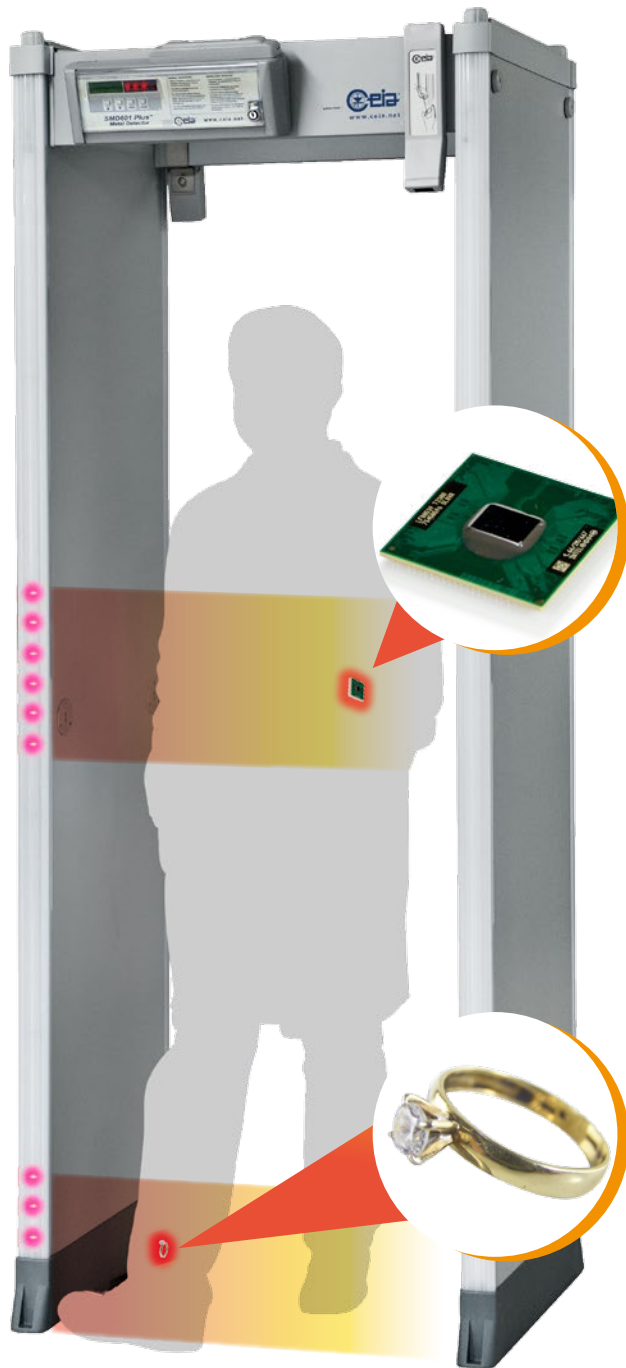


# SMD601 Plus Profiling

## 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**



[www.ceia.net](http://www.ceia.net)

**Threat Detection through Electromagnetics**

CEIA reserves the right to make changes, at any moment and without notice, to the models (including programming), their accessories and options, to the prices and conditions of sale



## 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/2D Reader
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



## SMD601 Plus Profiling LOSS PREVENTION METAL DETECTOR

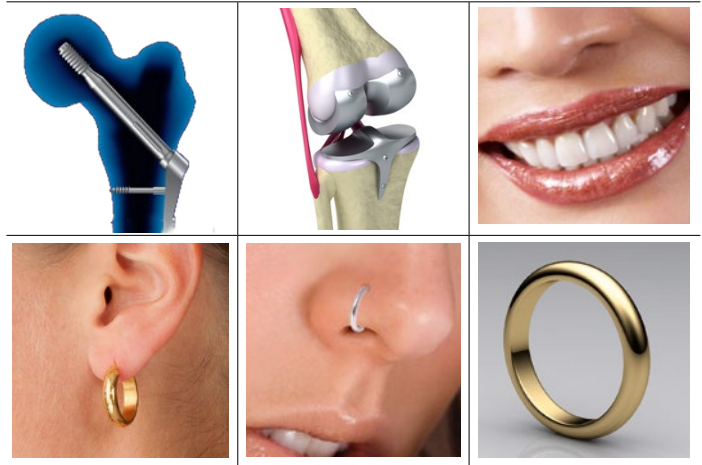
### EXAMPLES OF TARGET ITEMS

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



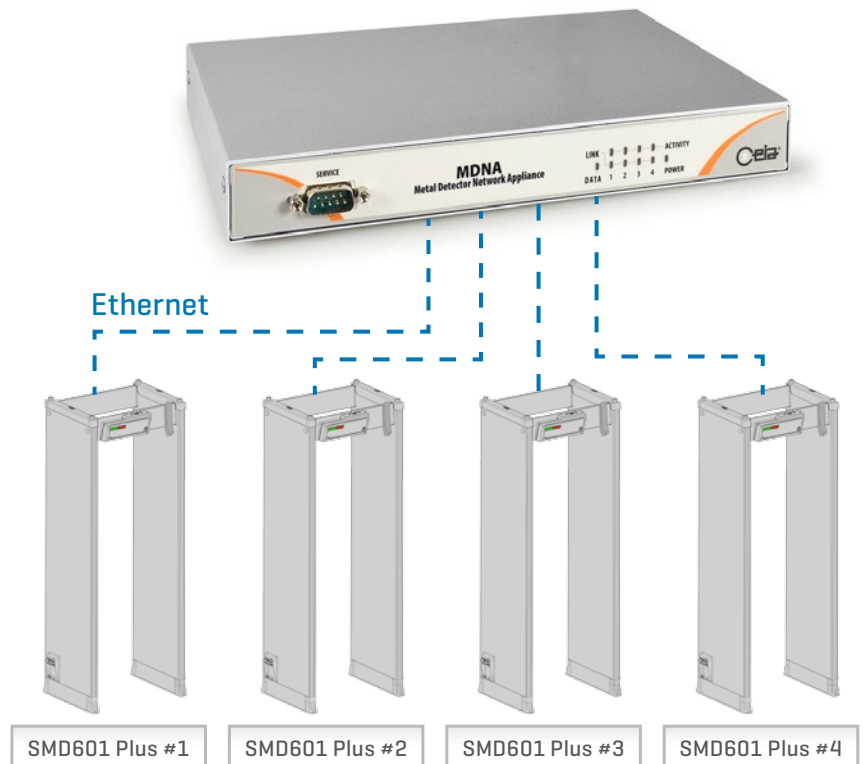
### EXAMPLES OF OBJECTS THAT CAN BE PROFILED

- ✓ 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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