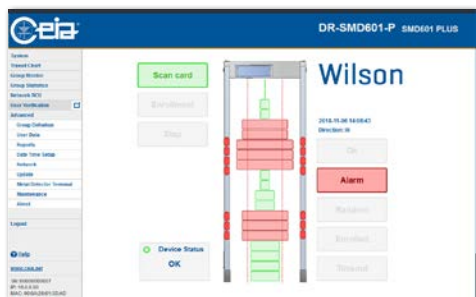# SMD601 Plus PROFILING

## 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)

AS PEOPLE TRANSIT THE SYSTEM, THEIR METAL CONTENT IS COMPARED TO A **SAVED PERSONAL PROFILE**
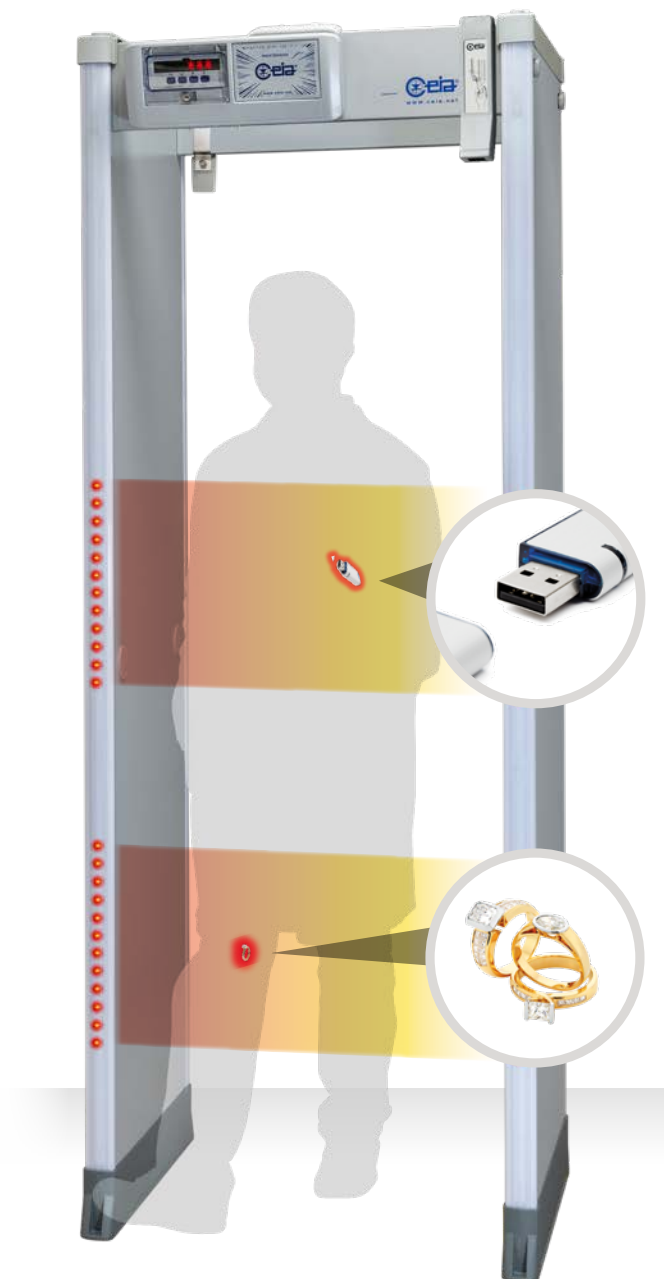
THREAT DETECTION THROUGH ELECTROMAGNETICS

ISO 9001 CERTIFIED

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

1D/2D READER

SMD601 PLUS METAL DETECTOR

APSiM3Plus: INTEGRATED WEB-SERVER & LOGGER
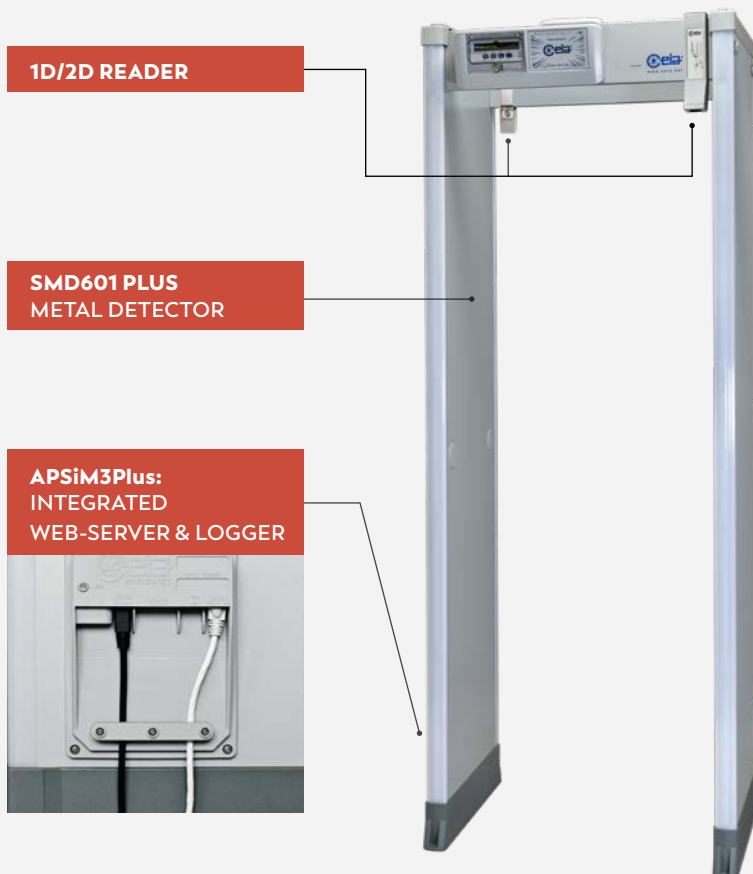
ORDERING INFORMATION	P/N
SMD601 Plus Metal Detector	SMD601Plus/PZ
1D/2D Barcode Reader	1D/2DReader/P
APSiM3Plus	APSiM3Plus/P

OPTIONS		P/N
User cards		Profiling-card-100
Enrollment cards		Enroll-card-10
		EZ-Enroll-card-10
1,000 labels kit with 2D barcode		2DLABEL-1000
MDNA - Metal Detector Network Appliance		MDNA
Test kit Precious Metal		V/UHS-LPPM-KIT
Test kit Information Technology		V/UHS-LPIT-KIT

SCREENING SEQUENCE

HIGH SENSITIVITY SCREENING OF PEOPLE WITH OR WITHOUT IMPLANTED METAL OBJECTS

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.

OK

ALARM
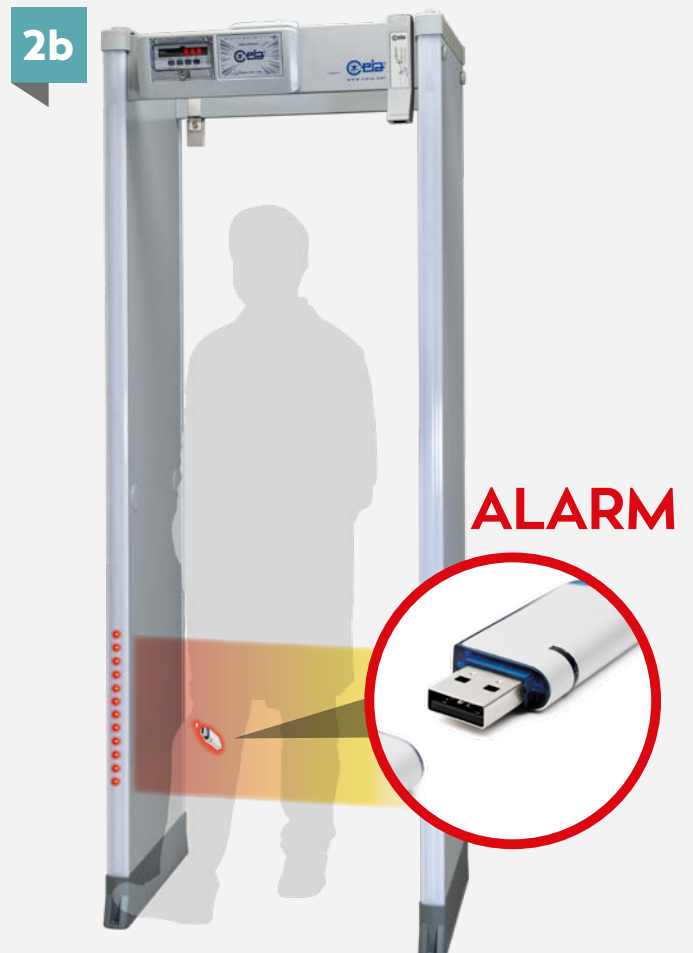
The **SMD601 Plus Loss Prevention Metal Detector** prevents the theft or accidental removal of metallic objects.

As people transit the system, their metal content is compared to a saved personal profile.

EXAMPLES OF TARGET ITEMS

- ☑ ELECTRONICS
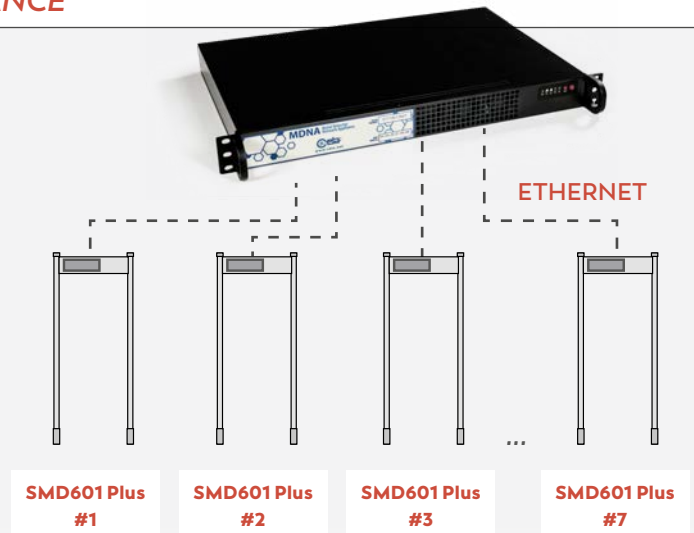- ☑ PRECISION MECHANICS
- ☑ JEWELLERY
- ☑ PRECIOUS METALS

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 trough any SMD601 Plus performing a single global enrollment

- Keeps a redundant copy of the User Electromagnetic Profiles

- 7 Ethernet ports to directly connect up to 7 metal detectors without additional Ethernet switches

- Full web-based User interface

- Automatically joins directly attached SMD601 Plus

ETHERNET

SMD601 Plus #1   SMD601 Plus #2   SMD601 Plus #3   ...   SMD601 Plus #7

ISO 9001 CERTIFIED

CE