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 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**

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**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMD601Plus/PZ</td>
<td>SMD601 Plus Metal Detector</td>
</tr>
<tr>
<td>1D/2DReader/P</td>
<td>1D/2D Barcode Reader</td>
</tr>
<tr>
<td>APSiM3Plus/P</td>
<td>APSiM3Plus: Integrated Web-server &amp; Logger</td>
</tr>
</tbody>
</table>

**OPTIONS**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Profiling-card-100</td>
<td>User cards</td>
</tr>
<tr>
<td>Enroll-card-10</td>
<td>Enrollment cards</td>
</tr>
<tr>
<td>EZ-Enroll-card-10</td>
<td>1,000 labels kit with 2D barcode</td>
</tr>
<tr>
<td>2DLABEL-1000</td>
<td>1D/2D Reader</td>
</tr>
<tr>
<td>MDNA</td>
<td>MDNA - Metal Detector Network Appliance</td>
</tr>
<tr>
<td>V/UHS-LPPM-KIT</td>
<td>Test kit Precious Metal</td>
</tr>
<tr>
<td>V/UHS-LPIT-KIT</td>
<td>Test kit Information Technology</td>
</tr>
</tbody>
</table>
### 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.
**SMD601 PLUS PROFILING**  
**LOSS PREVENTION METAL DETECTOR**

**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.

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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

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**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
- 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

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