

A NOTE TO MANAGEMENT

The MedDetect™ MD-2000 has been designed to provide healthcare facilities with a foundation for building an effective surgical instrument loss control program. The MD-2000 Instrument Detection System will detect stainless steel surgical instruments without interference from needles, packaging foils and other non-ferrous metals.

Incorporating the MedDetect Instrument Detection System into the facility's instrument loss control program:

- Decreases instrument losses substantially, saving thousands of dollars annually.
- Enhances departmental and employee responsibility and accountability.
- Reduces time spent to locate and retrieve missing instruments;
- Minimizes impact on surgery scheduling due to lost or missing instruments.
- Minimizes or prevents damage to medical waste treatment equipment or laundry processing equipment.
- Requires no increase in staff to operate the unit.

For successful introduction and installation of the MedDetect Instrument Loss Control Program, your surgery and sterile processing staff, according to their assigned responsibilities, must acknowledge compliance with the following requirements and procedures. Compliance with these requirements will ensure proper operation and effective utilization of the MedDetect Instrument Detection System.

- We have quantitatively determined our instrument losses.
- All departments (OR, SP, ES) involved have expressed willingness to cooperate.
- All appropriate staff will receive in-service training/education on system operational protocol.
- We will mandate and enforce complete OR and Sterile Processing (and/or Environmental Services) staff cooperation in complying with MedDetect's System Operating Procedures.
- The OR Staff will make procedural changes to accommodate the required waste segregation.

OR Staff will segregate the following items from the OR waste stream to minimize the potential for "False Alarms" (According to the MedDetect Waste Segregation Procedures).

- Specifically Identified Foil Packaging
- Disposable Irrigators and Associated Battery Packs
- Magnetic Pads
- Metal Specimen Container Lids
- Metal Ankle Stirrup Rings
- Wire-Containing Portion of Surgical Drapes and Packs

For more information contact:

MedDetect™

Instrument Detection System

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TYPICAL OPERATING PROCEDURES

Operating Room Attendants

- ORAs will mark all waste/soiled linen bags with the OR room number.
- ORAs will scan all waste and soiled linen bags in a timely manner.
- Procedures established for correct scanning of bags will be adhered to at all times.
- Waste/soiled linen bags not triggering an alarm will be handled according to routine protocol.
- All waste and soiled linen bags triggering an audible alarm will be marked and set aside.
- ORS will call the OR and notify staff that there is a bag to be searched for medical instruments by an OR Nurse or Surgical Technician.

Operating Room Nurses & Surgical Technicians

- Segregate items that cause false detection alarms according to MedDetect Guidelines and place in Biohazard or General Waste "Do Not Scan" Bag.
- If ORA is not available OR Nurse and/or Surgical Tech will scan all waste/soiled linen bags.
- OR Nurse and/or Surgical Tech will search waste/soiled linen bags that have triggered alarm.
- Staff will follow procedures established for safe instrument retrieval including the proper use of personal protection equipment.
- Recovered instruments will be placed into a clear plastic bag and sent to Sterile Processing.
- Remaining bag contents will be placed into original or new bag for normal handling.

Administrative Managers

- Operating Room Administrative Managers will monitor the soiled utility room to assure compliance with scanning trash and soiled laundry bags.
- The Administrative Manager of Sterile Processing will document instruments recovered and notify the appropriate O.R. Manager.

MedDetect™

Instrument Detection System



Designed for the Efficient Detection and Cost-Effective Retrieval of Surgical Instruments from Waste and Soiled Linen Bags.

The MD 2000 Mobile System with optional EZ Glide™ Bag Scanner

MD-2000 Instrument Detection System

New Age Technology for the detection and retrieval of valuable surgical steel instruments.

- Designed and engineered to provide the highest level of detection performance and operating flexibility.
- Low-Profile 40" high panels form a uniform field of detection – Occupies floor area of only 37" wide by 40" long.
- Easy installation and user-friendly operation.

Ease Of Scanning

- Bags can be simply walked through or waved between panels.
- Eliminates false detection from needles, sharps and other disposable metallic objects.

Digital Controls

- Features microprocessor-controlled circuitry and LCD display.
- Touchpad Control gives audible and visual alarm when instruments are detected.

Unlimited Mobility

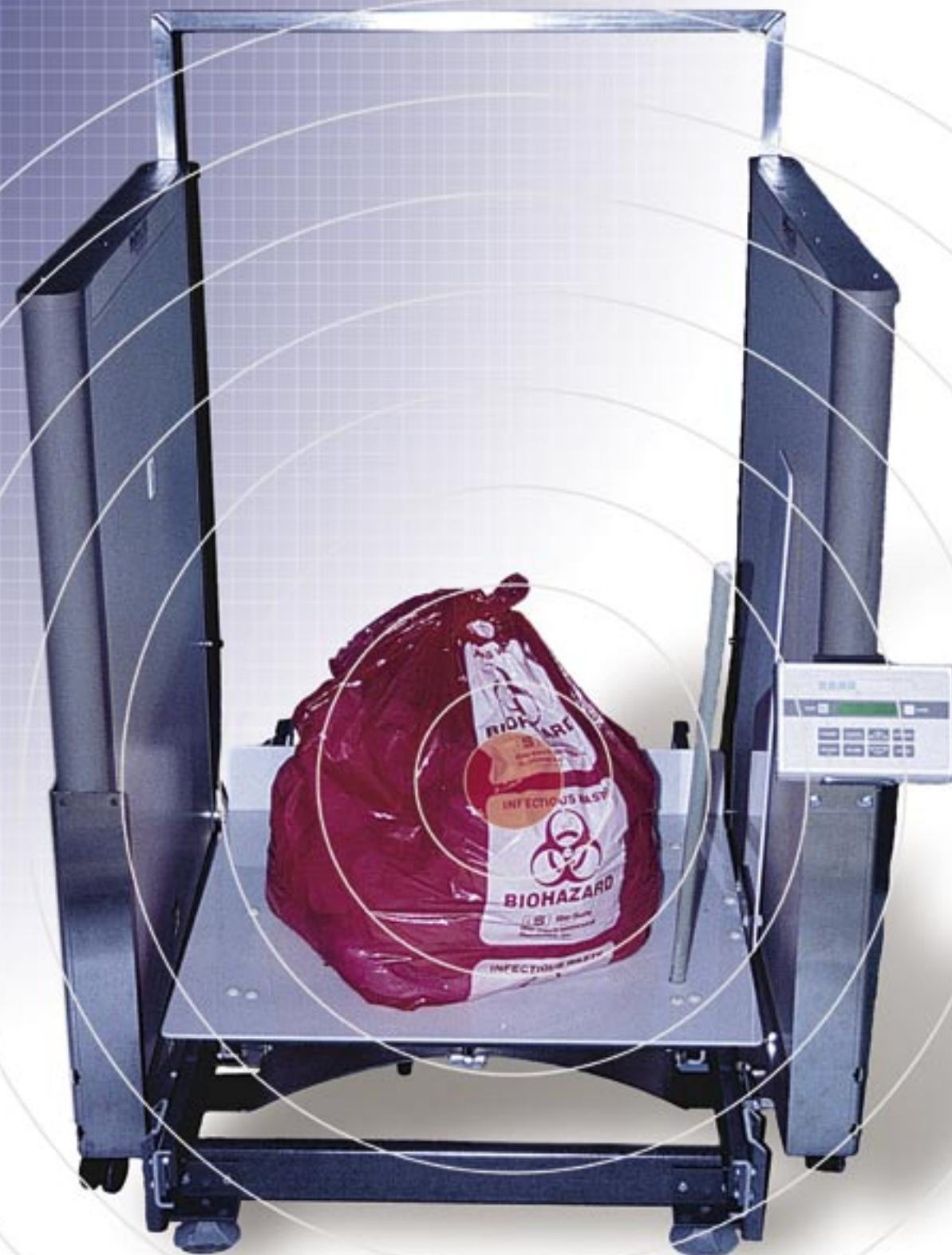
- Optional modular platform with casters allows ease of mobility.
- Ideal for locations where limited space does not permit permanent installation.
- Integrates TouchPad Control, Power Console, and Detection Panels into single unit.
- Modular platform can be closed for storage or transport.

Features That Enhance System Operation:

- **Self-Diagnostic** – automatically performs self-test and reports any interference failures.
- **Control Outputs** – solid state switches (low voltage Ac or DC) allow for external alarms, video surveillance or other control devices.
- **Infrared Panel Sensor** – improves detection, increases through-put and helps eliminate false detection.
- **Sensitivity Level** – preset for optimum setting and security protected, does not have to be adjusted or changed unless greater or lesser sensitivity is desired.
- **Tamperproof Traffic Counter** – provides a count of pass-through traffic.
- **Electrical** – fully automatic 100 to 240 VAC, 50 or 60 Hertz, 5 watts, no rewiring, switching or adjustments required; power supply meets UL, CSA, TUV and VDE standards.
- **Magnetic Field Strength** of less than one Gauss – does not affect electromagnetic devices.
- **Low Maintenance** – no moving parts. Two Year Limited Warranty.



**Need to
re-scan
picture C**



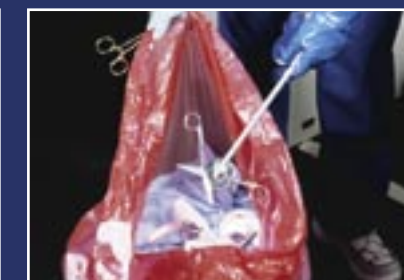
VR™ Disposable Cover Gloves

Provide liquid-resistance and bio-hazard resistance during waste bag searches for lost instruments. In combination, MedDetect's MD SuperFabric and VR Cover Gloves provide superior needle-stick and biological fluid protection for the cost-effective, efficient recovery of lost instruments.



MD SuperFabric Reusable Gloves

Provide high puncture resistance to fugitive needles and other sharps during waste bag searches for lost instruments. MD SuperFabric Reusable Gloves meet the requirements for proper engineering controls and personal protection equipment outlined under OSHA CPL 2-2.69.



Magnetic Retrieval Probe

Magnetic Retrieval Probes assist in avoiding direct contact with blood or body fluids or skin penetration by a sharp instrument. MeDetect recommends that hospital staff be instructed never to venture unseen into a waste or linen bag to retrieve instruments and to be fully protected from potential sticks and bloodborne exposure.



The EZ Glide® Bag Scanner

Designed for efficient handling and scanning of medical waste or soiled linen bags. Easier scanning, eliminates difficulty of handling heavy bags and minimizes potential for employee back injury.