Garrett MT 5500

GARRETT: The Global Leader of Security Metal Detectors and Checkpoint Screening

Walk-Through Metal Detector

The MT 5500 is a popular walk-through metal detector because it provides maximum throughput with exceptional multi-dimensional scanning. The MT 5500 meets the demanding needs of security professionals worldwide who trust its ability to maintain patron flow rate with minimal alarms.

FEATURES

- Indicates the side a metal target is located with precision and ease

- Uniform detection field eliminates "hot spots"

- Advanced microprocessor driven technology incorporated in detection and control circuitry

- Enhanced sensitivity for accurate weapons detection

- Durable construction with quick assembly design

- Multiple coil design minimizes false alarms

- User-friendly programming for precise control of detection settings

- Tamper proof settings through computerized access codes

- Complete, automatic self-diagnostic program

APPLICATIONS

Airports	Sporting Events
Prisons	Nuclear Facilities
Correctional Facilities	Transportation Terminals
Public and Private Buildings	Courthouses
Schools	Corporate Security
Stadiums/Concerts	Historical Landmarks

TRAINING

GARRETT Academy of Metal Detection

Garrett Metal Detectors is the only manufacturer to offer free training in metal detection checkpoint screening. Now, you can learn from the industry's leading team of metal detection experts. Call today and enroll in The Garrett Academy.

Visit us online at
www.garrett.com

MT 5500 Walk-Through Metal Detector

Thank you for your interest in Garrett Metal Detectors, the global leader of security walk-through and hand-held metal detection equipment for over 20 years. From the Olympic Games to U.S. and International airports, Garrett has the proven experience, expertise and reliable products you need to design the most effective security screening checkpoint for your unique application. Whether it's one walk-through unit or a hundred, let Garrett Metal Detectors work with you to make your facility or event more secure.

Easy Assembly
Garrett's MT 5500 is easily assembled with only 4 (four) pieces and 8 (eight) screws and simple to follow instructions.
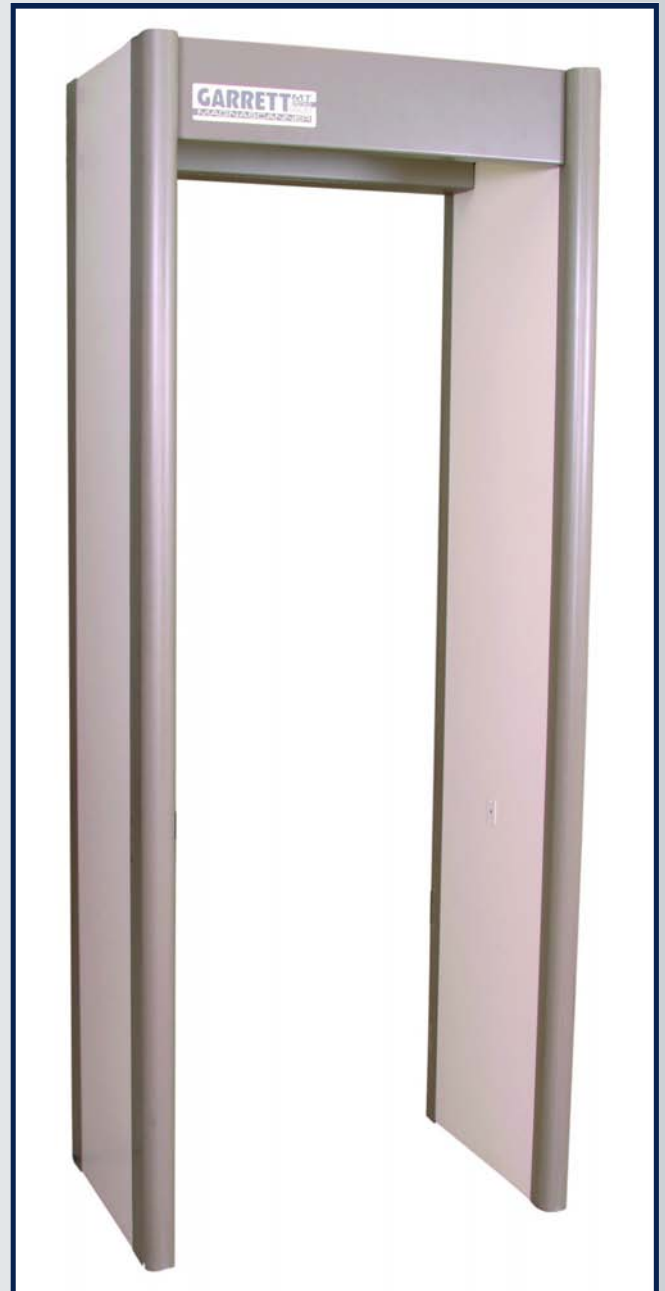
Multi-Dimensional Scanning
The MT 5500 uses multi-dimensional scanning which ensures maximum throughput and uniform screening with a minimum of false alarms. Multiple coil circuitry with dual alarm lights inform operators on which side of the detector the target is located. With "hot spots" eliminated, the unit's detection field is uniform throughout the archway and false alarms are significantly minimized.

Convenient Touchpad Controls
Eight (8) touchpad controls perform all control functions on the MT 5500 and clearly report all calibration and operating information with alphanumeric displays. Touchpads include: OPERATE, OFF COUNTER, VOLUME, + / -, PROGRAM and ACCESS.

Instructional Manual and Operational Video
The MT 5500 comes with a standard User's Manual that easily guides you through the functions, settings and programs of the unit. An operational video is also available.
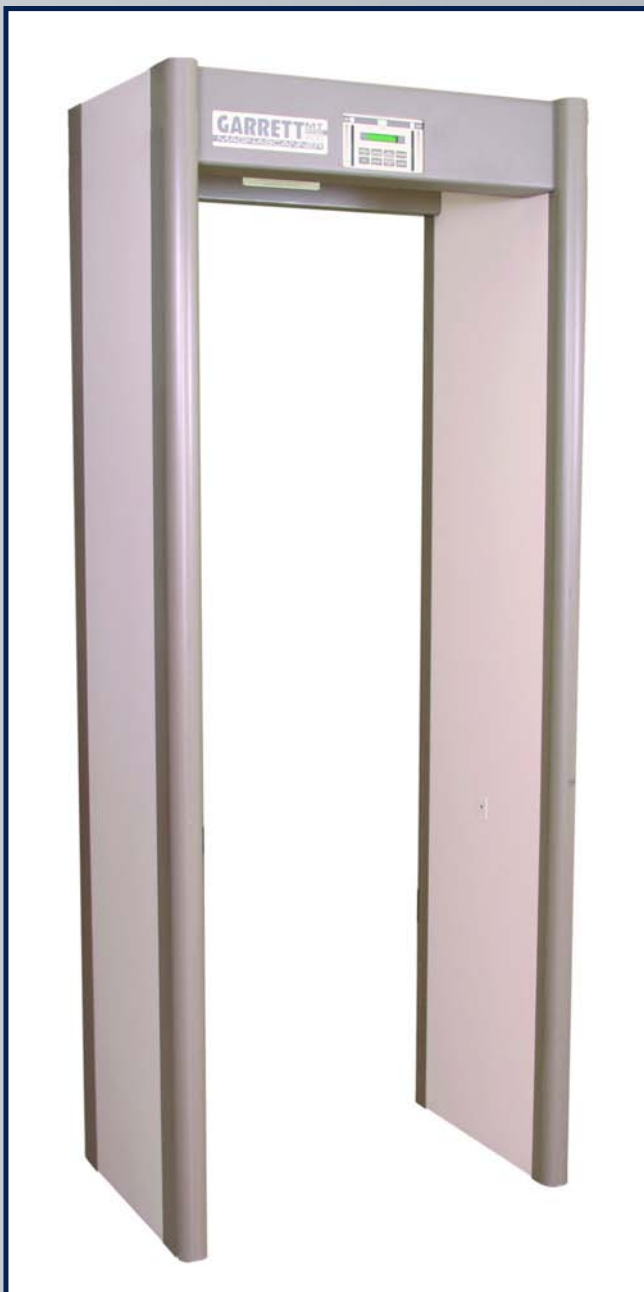
Entrance View

LEFT: All wires, electronics and connections to the MT 5500 are securely enclosed within the locking Detection Head.

The Access Control Panel is designed for use by authorized personnel with specific security codes. It allows authorized users to change settings such as Program and Sensitivity. Security of the detector's settings is maintained with a non-resettable sequence code, which indicates every attempt at access to the settings. A tamper alarm sounds within 10 seconds after the Access touchpad is pressed unless a proper access code is entered.

The MT 5500 includes 20 standard programs, which are maintained in an electrically erasable non-volatile memory, for the ultimate in security application versatility. The unit maintains all settings even when disconnected from power and does not require recalibration when unit is turned OFF and back ON. No battery is required for memory retention. When the unit is in operation, a self-test of all systems is performed continuously with any failures or problems reported on the LCD display.

Overhead Control Unit
LCD Display, alarm lights, LED bar graphs and control touchpads plus all wiring, connections and electronics are contained in a single overhead compartment which eliminates exposure of wires.

Microprocessor Controlled
State of the art microprocessors ensure sensitivity and flexibility of programming with a maximum of 200 distinct sensitivity levels for enhanced target location.

Audible and Visual Alarms
Audible alarm with 3 distinct tones indicating target on the left, right or center of the archway; two LED bar graphs report detectable metal on either side of the unit or centered within it.

Detection Field
Unique coil design offers multi-dimensional detection field with total uniformity both horizontally and vertically. This design, plus a choice of three levels of ankle level boost, eliminates traditional hot spots and weak signals. Target detection is precise regardless of its location in the archway.

Rugged Design
Rugged, yet lightweight design for simple maintenance and quick, easy portability; MagnaDolly accessory also available.

Exit View

Passageway Interior	Overall Exterior	Shipping
Width 30″ (0.76m)	Width 35″ (0.9m)	Width 33.5″ (85.1cm)
Height 80″ (2m)	Height 87″ (2.2m)	Height 91.5″ (232.4cm)
Depth 23″ (0.57m)	Depth 23″ (0.57m)	Depth 6.25″ (15.9cm)

Shipping Weight: 139 lbs (63 kg)

SPECIFICATIONS

Operating Temperatures
-4°F (-20°C) to +158°F (70°C); Humidity to 95% non-condensing

Power
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

Weatherproofing / Foreign Object Protection Standards
Meets IP 31, IEC Standard. "Degrees of Protection provided by Enclosures," CEI 529

Tamper-Proof
Dual-level access codes required to set or change all sensitivity settings and detection programs; one level for use by supervisors in selecting programs and sensitivity and the other for initial set-up and overall control; non-resettable sequence code logs all attempts to access the settings. Audible alarm reports any unauthorized attempt at access

Construction
Attractive scratch and mar-resistant laminate with resilient end caps; control panel and cross members of heavy duty aluminum

Control Outputs
Solid state switches (low voltage AC or DC) for operating external alarms and control devices

Traffic Counter
Built-in and resettable with current reading easily available on LCD panel

Synchronization
Multiple channels permit several MT 5500s and other Garrett detectors to operate simultaneously in close proximity

Interference Suppression
100% sensor coil Faraday shielding; RFI interference reduced with hardware; special Garrett built-in circuitry for noise suppression and ignoring x-ray monitors. Physical interference minimized by coil design and circuitry

Alarms
Ready light indicates unit is operational; alarm lights and audible alarms with variable tones are activated when the target amount of metal is detected; location of alarm lights on left and right side of display combined with variable tone indicates which side of the person the target is located.

Infrared Sensor
Provides traffic counter, helps eliminate "false alarms" and increases throughput

Masking
Programs designed to eliminate the problem of dissimilar targets canceling each other

Warranty
Limited 24 months, parts and labor

1544300.B.0305 ©2005 Garrett Electronics, Inc.

ACCESSORIES

A. Battery Backup Module - Conveniently allows up to eight (8) hours of backup use. (Model # 2225400)

B. Desktop Remote Control - For easy remote operation of the MT 5500 from up to 50 feet (standard length: contact Garrett for optional lengths) (Model # 2225600)

C. Operational Test Piece (OTP) - Designed to FAA 3-gun test requirements (Model # 1600600)

D. MagnaDolly - Wheel assembly for easy portability (Model # 1168000)

E. Stabilizer Base - (Model # 1603900)

REGULATORY INFORMATION

The MT 5500 meets Electrical Safety and Compatibility Requirements for CE, FCC, CSA, IEC (CB certification), ICNIRP and IEEE.

The MT 5500 meets U.S. and International regulatory requirements for electromagnetic safety. Extensive research has found no information that would indicate Garrett products have adverse effects on pregnancy, medical devices or magnetic recording media. However, directives by physicians and medical device manufacturers regarding metal detectors should be followed.

SuperScanner

SuperWand

THD

Garrett Metal Detectors • 1881 West State Street • Garland, Texas 75042 • Tel (972) 494-6151 • Fax (972) 494-1881 • E-mail security@garrett.com

Visit us online at w w w . g a r r e t t . c o m