

Rapiscan Secure 1000

Rapiscan[®]
systems

An OSI Systems Company

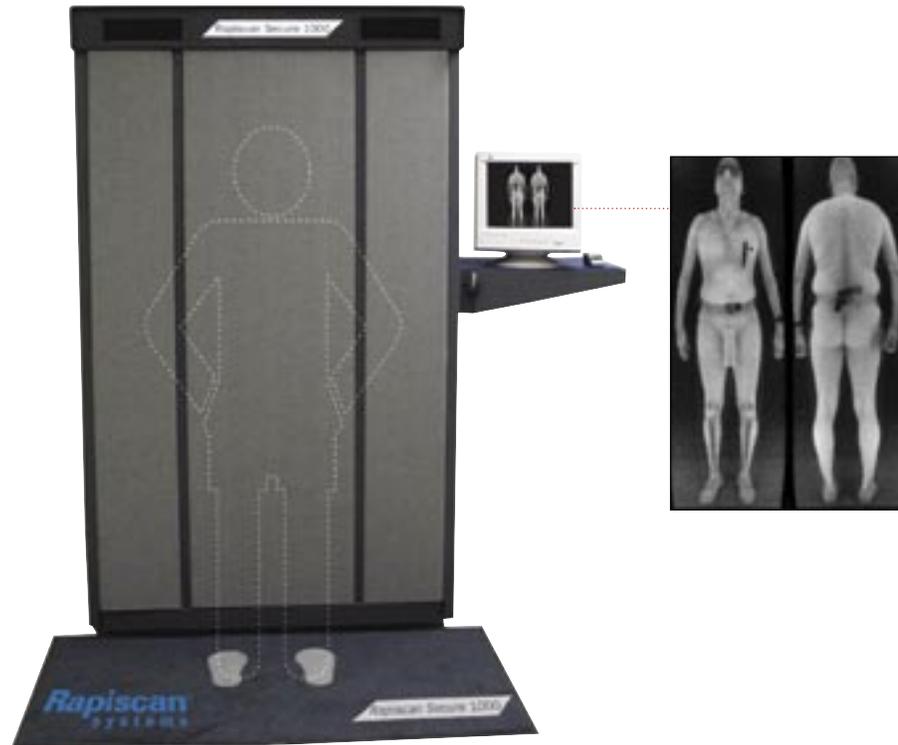
PEOPLE SCREENING

Hands-Off Screening

Quick and Effective

Privacy Protection

High Resolution Imaging



The **Rapiscan Secure 1000** is the most effective and comprehensive people screening solution available. The images produced by the system enable the operator to easily identify concealed threat items. The backscatter technique utilized in the system provides high resolution images of both organic (e.g. explosives, narcotics, ceramic weapons) and inorganic (e.g. metal) items.

Rapiscan Systems has also developed techniques to protect the privacy of the person being screened while enabling effective detection of threat items. In a recent study, 19 out of 20 people preferred a **Secure 1000** scan to an invasive pat-down physical search. The system is completely safe for all people and exceeds the requirements of health authorities worldwide.

The **Rapiscan Secure 1000** is the most widely deployed image-based people screening solution in the world and can be part of any high security checkpoint.

HOW BACKSCATTER TECHNOLOGY WORKS

An image is produced as a result of Compton Scattering; meaning when the emitted beam contacts a material, it is "scattered back" toward the system. This information is received by high resolution detectors and is passed to image processing software which creates a display on the video monitor for operator analysis.

ADVANCED OPTIONS

REMOTE WORKSTATION

**DETECTION ENHANCING
BACK PANEL**

APPLICATIONS

AVIATION SECURITY

MILITARY BASE SECURITY

CORRECTIONAL FACILITIES

BORDER CROSSINGS



ONE COMPANY - TOTAL SECURITY

PEOPLE SCREENING

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SPECIFICATIONS

Regulatory Compliance & Safety	The SECURE 1000® complies with the applicable FDA requirements and ANSI Standards. The FDA has classified the Secure 1000® as a device under Section 201(h) of the Federal Food Drug and Cosmetic Act (FFDCA) and the safety of the product is addressed by the provisions of Subchapter C – Electronic Product Radiation Control. The Secure 1000 has been assigned the FDA Succession number 9110663-03. The ANSI Standard is N43.17 and is titled "Radiation Safety for Personnel Screening Systems Using X-ray".
Image Acquisition	Scan rate: Less than 8 seconds per view Display: 17 inch high-resolution color monitor Emission Per Scan: Less than 10 microRem per exam
Power Requirements	Main Controls: On/Off Switch; 110V or 220V, PC & Monitor
Features	Image archiving, Scan, Zoom, Clear, Redraw, Save, Recall and Print.
Physical Details	Floor Space: 5.5 ft. x 9 ft. in front Overhead Clearance: 80 inches (204 centimeters) minimum Unit Weight: 1097 pounds (499 kilograms) Physical Dimensions: 48.75 inches wide x 36 inches deep x 79.5 Inches high (123x92x202cm)
Warranty	One (1) year

X-RAY COMPARISONS

The Following are some of the typical exposure levels that can be experienced with other types of x-ray systems and some naturally occurring sources (see chart below for comparisons.)

Medical

CT (CAT Scan): Up to 1,000,000 microRem
Chest , Mammography: Up to 10,000 microRem

Background Radiation

Denver (5000 ft): Up to 600 microRem per day
Miami (sea level): Up to 300 microRem per day
Inside vs. outside a building: Up to 25 microRem per day

Airline Passenger Dose

One hour flight: Up to 500 microRem per hour

SECURE 1000®

LESS THAN 10 MICROREM PER EXAM

