EN

SECURITY

For a safer world

SPECTRUM 100100

X-RAY SCANNER

160 kV | 180 kV



The Spectrum 100100 has a robust design and the highest quality of image on the market that positions it to be certified by international airports.

Spectrum 100100 is specifically designed to meet the needs and applications of airports, prisons, customs facilities, distribution centers, carriers, parcel services or wherever high security and total screening of a large variety of dimensions is required.

SPECTRUM 100100
X-RAY SCANNER

www.vmisecurity.com

HIGH TECH

- High image quality with a wire resolution of 40 AWG and steel penetration of 38 mm (160kV) and 40mm (180kV) .
- Meets all the international standards for health and safety of operators and members of the public.



Excellent image quality. Organic materials shown in orange, metal in blue and a mix of them in green.

- Drugs and explosives automatic detection and alarm.
- Random projection of images containing fictitious threat objects for operator skills training (TIP function).
- Continuous or region zoom functions for easy and precise evaluation of the image.
- Can export images in commercial file formats (JPEG, TIFF and BMP) onto a USB device.



Drug detection

- Ergonomic keyboard and simple operator interface provide efficiency and ease for the operator.
- Hardware and software customized to meet customer requirements.

TECHNICAL SPECIFICATIONS

GENERAL SPECIFICATIONS

· Tunnel Size	1010mm (W) / 1005mm (H)
· Conveyor Speed	0,24m/s (configurable)
· Conveyor Height	295mm
· Max Load	200kg
· Standard Generator	160kV operating at 150kV
· High Power Generator	180kV operating at 170kV
· Wire Resolution*	40AWG
· Steel Penetration*	38mm (160kV) 40mm (180kV)
· Display Monitor	1 LED, color, high-resolution (configurable size)
· Cooling	Insulating oil with forced air cooling
· Beam direction	Diagonally downward

STANDARD FEATURES

- Automatic color coding of materials with different atomic numbers.
- Image auto save
- Baggage Counter
- Continuous scanning
- Zoom higher than 128x
- Colored or black/white image
- Edge enhancement
- High penetration function
- Sharpness enhancement
- Threat image projection (TIP)
- High density alert
- Image export to JPEG, TIFF and BMP
- Export to a secure VMI encrypted viewing application
- Network connection
- Scanning in real time
- Bidirectional inspection
- Self diagnostic system
- Color Inversion
- Image manipulation in real time
- Automatic detection algorithm for drugs, explosives and high density materials
- Storage capacity above 200,000 images

SECURITY

· Shield	Dose lower than 1uSv/h at 0.1m away from the equipment

OPTIONAL FUNCTIONS AND ACCESSORIES

- Customized painting
- Training Software
- Local language
- Remote workstation
- Standard ASTM or STP test piece
- Modular roller table
- Anti-theft operation console with key
- Uninterruptible Power Supply
- Remote workstation software (Spectrum Ativa)
- Tunnel extension
- Touch screen monitor
- Ability to integrate with conveyor system
- WiFi capability
- Integration with Garrett's walk-through metal detector portals



GENERAL INFORMATION

· Operating Temperature/ Humidity	0°C a 40°C / 5% a 95% (non-condensing)
· Storage Temperature/ Humidity	-40°C a 60°C / 5% a 95% (non-condensing)
· Power Supply	127Vac / 220Vac / 230Vac (-15% a +10%); 50Hz/60Hz, +/-3Hz
· Dimensions	3620mm (L), 1370mm (W), 1756mm (H)
· Weight	950kg
· Power Consumption	750VA

** According to VMI test piece*

"Technical Specifications subject to change without notice."

VMI Security

Av. Hum, 55 - Distrito Industrial Genesco Aparecido de Oliveira
Lagoa Santa / MG - Brazil - ZIP CODE 33400-000
Phone: +55 (31) 3622-0470 / 3622-0124