Spectrum 6040 M

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160 | 180 kV

The Spectrum 6040 is made up of robust equipment specifically designed to meet the needs and applications that demand high inspection and image quality, such as airports, prisons, railways and subways, stadiums, courts, ordering services or where high security is required. The Spectrum 6040 use a state-of-art high power x-ray generator (180 kV) that meets the highest image quality and penetration requirements for even faster and more efficient inspection.

Spectrum 6040 DV

High Tech
- High image quality with a wire resolution of 40 AWG and steel penetration of 42 mm (160 kV), 44 mm (180 kV)
- Meets all of the internations standards for health and saftey of operators and members of the public
- 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
- Ergonomic keyboard and simple operator interface provide efficiency and ease for the operator
- Hardware and software customized to meet customer requirements

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

Drug detection

General Specifications

- Tunnel Size	606 mm (W) / 420 mm (H)
- Conveyor Speed	0.24 m/s (Configurable)
- Conveyor Height	650 mm
- Max Load	150 kg / 165 kg (Heavy duty roller optional)
- Standard Generator	160 kV operating at 150 kV
- High Resolution Generator	180 kV operating at 170 kV
- Wire Resolution*	40 AWG
- Steel Penetration*	42 mm (160 kV) / 44 mm (180 kV)
- Display Monitor	LCD, colour, high-resolution (Configurable size)
- Cooling	Insulating oil with forced air cooling
- Beam direction	Diagonally upward

Standard Features

- Image auto save
- Baggage Counter
- Continuous scanning
- Zoom higher than 64x
- Colored or black / white image
- Edge enhancement
- Sharpness enhancement
- Threat image projection (TIP)
- High density alert)
- Automatic color coding of materials with differ ent atomic numbers
- Integrated Monitor and Keyboard self contained system, fast installation (Mobile)

- Network connection
- Scanning in real time
- Self diagnostic system
- Color Inversion
- Image manipulation in real time
- High penetration function
- Storage capacity above 200,000 images
- L-shaped array detectors
- Image export to JPEG, TIFF and BMP
- Export to a secure VMI encrypted viewing application
- Automatic detection algorithm for drugs explosives and high density materials

Security

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

Optional Functions and Accessories

- Customized painting
- Training software
- Remote workstation
- Default test kit ASTM
- Modular roller table

- Uninterruptible power supply
- Remote management software
- Tunnel extension
- Ability to integrate with conveyor system
- Anti-theft operation console with key

General Information

Operating Temperature/ Humidity	0°C ~ 40°C / 5% ~ 95% (Non-condensing)
Storage Temperature/ Humidity.	-40°C ~ 60°C / 5% ~ 95% (Non-condensing)
Power Supply	127 Vac/ 220 Vac/ 230 Vac (-15% +10%); 5oHz/6oHz, +/-3Hz

	160 / 180 kV	Mobile	Dual View
Dimensions	1980 mm (L)	1980 mm	1980 mm
	850 mm (W)	850 mm	1147 mm
	1240 mm (H)	1240 mm	1240 mm
Weight	500 kg	750 kg	750 kg
Power Consumption	600 VA / 650 VA	600 VA	1 kVA

*According to VMI test piece

We reserve the right to change specifications without notice in order to provide all latest functions