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WG IS1517 (200kV) Pallet and Cargo X-Ray Scanner



The WG IS1517 (200kV) is an advanced X-Ray Cargo & Pallet Scanner capable of detecting organic and inorganic items such as weapons, explosives and narcotics using unique 6 colour software which significantly enhances the operator's ability to identify suspicious items.

It has a tunnel of 150cm width and 170.2cm height, designed for large cargo and pallet inspection at airports and seaports, but is ideal for any location where large-scale security screening is required. It uses a high-resolution x-ray detector array that increases detection sensitivity, improves image resolution and optimises image presentation.

It has a (200 kV has a steel penetration of typically 52mm. and an extended tunnel and heavy-duty roller bed to support 2,000 kg

All Westminster X-Ray Systems are equipped with Real-Time Diagnostics, a unique feature which allows users to monitor their machine health status to save you valuable time and money. If requested, Westminster will also be able to connect to your system and troubleshoot any issues remotely.

An exclusive standard feature, 6 Colour Imaging enables operators to view screened objects in 6 colours, with each colour correlating to a specific range of Atomic Z-Numbers. 6 Colour Imaging enables operators to achieve optimal material identification and improve throughput with more effective screening technology.

STANDARD FEATURES

- 6 Colour Imaging
- 9 Quadrant Zoom
- Atomic Z-Number Measurement
- Auto Image Archiving (150,000)
- Baggage Counter
- Colour and Black/ White Imaging
- Continuous Scanning
- Continuous Zoom up to 64x
- Geometric Image Distortion Correction • Real-Time Image Manipulation
- Heavy Duty Roller Casters
- High Penetration Function
- Image Annotation
- Image Review
- JPEG Conversion
- Material Discrimination
- Multi-Tier Accessibility
- Network Ready
- Operator Training Program (OTP)
- Organic/ Inorganic Imaging
- Picture Perfect
- Print Image Capable
- Pseudo Colour
- Real-Time Self Diagnostics
- Reverse Monochrome
- Save Image (RGB)
- Vertical Zoom Panning

OPTIONAL FEATURES

- Conveyor Capacity 3000 kg (6614 lbs) Evenly Distributed Load
- Custom Paint
- Density Alert
- Extended Entry/ Exit Rollers
- Foot mat Operator Interlock
- Image Analysis Program
- Image Analysis Program - LITE
- Local Language Support
- Polar Kit
- Radiation Meter
- Remote Workstation Configuration
- Screener Assist Software
- Test Case
- Threat Image Protection (TIP) Software
- Tropical Kit
- Wireless Barcode Scanning

APPLICATIONS

- Airports
- Commercial buildings
- Embassies
- Government buildings
- Logistics organisations
- Military installations
- Prisons
- Seaports
- Customs
- Security checkpoints

SPECIFICATION

Operational Penetration & Sensitivity

- Contrast Sensitivity: 24 Visible levels 4,096 Grey levels
- Penetration: 52mm Steel typical, 50mm Standard
- Sensitivity: 40 AWG typical, 38 AWG Standard
- Spatial resolution: 1.3 mm horizontal, 1.3 mm vertical

Computer

- Backup: Uninterruptible Power Supply (Computer Operation - 20 Minute)
- Memory: 4 GB RAM
- Platform: Windows® OS
- Processor: Intel® Core i5
- Storage: 500 GB HDD, 120 GB SSD
- Video Card: 1 GB Video Card

Safety / Standards

- Compliant with USFDA, Centre for Devices and Radiation Health Standards for Cabinet X-Ray Systems (21-CFR 1020.40)
- Typical radiation leakage is less than 0.1 mR/hr (Leakage less than 0.5 mR/hr permitted by the Federal Standard)
- Film Safety: Guaranteed up to ISO 1600 (33DIN)

Shipping Crated

- 1 x (L x W x H) 295cm x 144 cm x 252 cm
- 2 x 219 cm x 144 cm x 252 cm
- 2 x 204 cm x 191 cm x 82 cm
- Weight 4850 kg

SPECIFICATION

X-Ray Generator

- Beam direction: Horizontally sideward
- Cooling: Sealed Di-electric oil bath with forced air
- Detector: 2,176 Channels in an L-Shaped array
- Duty Cycle: 100%, no warm-up procedure required
- Tube current: 1.0 mA
- Voltage: 200 kV

Environment

- Humidity: Up to 95% Non-condensing
- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 60°C

Video Display

- Display resolution: 1,600 x 1,200, 24 bit pixel colour
- Dual 24" LCD monitors

Electrical Connection

- 110VAC $\pm 10\%$, 60 Hz, 15 Amps maximum
- 220VAC $\pm 10\%$, 50 Hz, 10 Amps maximum

Physical

- Bi-Directional conveyor
- Construction: Custom steel frame / panels
- Conveyor belt : Seamless low maintenance
- Conveyor height: 38.3cm from floor
- Conveyor maximum load: 2,000 kg evenly distributed
- Conveyor Speed: 10 cm/s (20 ft or 6m/min) in both directions
- Levelling: Adjustable screw jack levelling feet
- Motor: Sealed drum, maintenance free
- Scanner dimensions: L 731cm x W 260cm x H 225cm
- Scanner weight: 3,850 kgs
- Tunnel opening: Width 150cm x Height 170.2 cm

