WG1080 X-Ray Large Baggage and Parcel Scanner

The WG1080 is an advanced X-Ray Baggage 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.

The WG1080 is the ideal system to screen larger capacity objects while also retaining a limited system size. With a heavy duty conveyor belt, the system can support a weight of 200 kg (440 lbs) at any given time, thus allowing for heavier object screening.

The WG1080 has a tunnel of 101.6cm width and 81.4cm height that will easily accommodate the inspection of luggage and large parcels. It uses a high-resolution x-ray detector array that increases detection sensitivity, improves image resolution and optimises image presentation.

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
- 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 Image Manipulation
- Real-Time Self Diagnostics
- Reverse Monochrome
- Save Image (RGB)
- Vertical Zoom Panning

OPTIONAL FEATURES

- 24” LCD Monitors
- Custom Paint
- Density Alert
- Entry/ Exit Roller Tables (50 cm Increments)
- Foot mat Operator Interlock
- Image Analysis Program
- Image Analysis Program - LITE
- Larger Heavy Duty Casters
- Local Language Support
- Polar Kit
- Radiation Meter
- Remote Workstation Configuration
- Screenar Assist Software
- Sloped Conveyor
- Test Case
- Threat Image Protection (TIP) Software
- Tropical Kit
- Wireless Barcode Scanning

APPLICATIONS

- Airports
- Banks
- Border control
- Commercial buildings
- Courthouses
- Embassies
- Government buildings
- Hotels
- Mailrooms
- Military installations
- Ports
- Prisons
- Security checkpoints
- Ships
**SPECIFICATION**

**Operational Penetration & Sensitivity**
- Contrast Sensitivity: 24 Visible Levels, 4096 Gray Level
- Spatial Resolution: 1.0 mm Horizontal, 1.3 mm Vertical
- Steel Penetration: 39 mm Typical, 37 mm Standard
- Wire Resolution: 40 AWG Typical, 38 AWG Standard

**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 is guaranteed for high speed films up to ISO 1600;
- TSA Approved

**Shipping Crated**
- Shipping Dimensions: 297.2 cm x 147.3 cm x 224.0 cm (L x W x H) 117.0” x 58.0” x 88.0”
- Shipping Weight: 1240 kg (2730 lbs)

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**SPECIFICATION**

**X-Ray Generator**
- Beam Direction: Diagonally Upward
- Cooling: Sealed Di-Electric Oil Bath with Forced Air
- Detector: 2176 Channels in an L-Shaped Array
- Duty Cycle: 100%, No Warm-Up Procedure Required
- Tube Current: 1.2 mA
- Voltage: 180kV, Operating at 165kV

**Environment**
- Humidity: Up to 95% Non-Condensing
- Operating Temperature: 0 °C - 40 °C \(\text{\textdegree} F\) - 104 °F
- Storage Temperature: -20 °C - 60 °C \(\text{\textdegree} F\) - 140 °F

**Video Display**
- Display Resolution: 1280 x 1024; 24 Bit/Pixel Colour
- Display Type: Dual 19" LCD Colour Monitors

**Electrical Connection**
- Power Requirements: 110VAC ± 10%, 50/60Hz, 15 Amp Max or 220VAC ± 10%, 50/60Hz, 10 Amp Max

**Physical**
- Conveyor Capacity: 200 kg (440 lbs) Evenly Distributed Load
- Conveyor Height: 70.6 cm (27.8") from Floor
- Conveyor Speed: 23 cm/s (45 ft/min) Forward or Reverse
- Dimensions: 257.4 cm x 137.2 cm x 170.6 cm (L x W x H) 101.3” x 54.0” x 68.0”
- Net Weight: 900 kg (1980 lbs)
- Tunnel Opening: 101.6 cm x 81.4 cm (W x H) 40.0” x 32.0”