WG1S7858 Baggage and Parcel X-Ray Scanner

The WG1S7858 is an advanced 180kv 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 WG1S7858 has a tunnel of 77.8cm width and 58cm (30.6” x 22.8”) height designed to provide maximum object screening with a minimised system profile. It uses a high-resolution x-ray detector array that increases detection sensitivity, improves image resolution and optimises image presentation.

The WG1S7858 is the ideal screening solution for any location in need of increased screening dimensions within a consolidated space.

All Westminster X-Ray Systems are equipped with Real-Time Diagnostics, a unique feature which allows users to monitor their machine health status, thus greatly increasing the system lifespan. If requested, Westminster will 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

APPLICATIONS

- Airports
- Border crossings
- Commercial buildings
- Courthouses
- Embassies
- Government buildings
- Military installations
- Prisons
- Seaports
- Hotels
- Mailrooms
- Security checkpoints

OPTIONAL FEATURES

- 24" LCD Monitors
- Custom Paint
- Density Alert
- Entry / Exit Roller Tables (50 cm Increments)
- Foot mat Operator Interlock
- Image Analysis Program – LITE (IAP – LITE)
- Image Analysis Program – (IAP)
- Larger Heavy Duty Casters
- Local Language Support
- Polar Kit
- Radiation Meter
- Remote Workstation Configuration
- Screener Assist Software
- Sloped Conveyor
- Standalone/Table-Free (pictured below)
- Test Case
- Threat Image Projection (TIP) Software
- Tropical Kit
- Wireless Barcode Scanning
SPECIFICATION

Operational Penetration & Sensitivity
- Contrast Sensitivity: 24 Visible Levels, 4096 Gray Level
- Spatial Resolution: 1.0 mm Horizontal, 1.0 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 min)
- 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)
- TSA Approved

Shipping Crated
- Shipping Dimensions: 243.8 cm x 115.6 cm x 182.8 cm (L x W x H) 96.0” x 45.5” x 72.0”
- Shipping Weight: 861 kg (1898 lbs)

SPECIFICATION

X-Ray Generator
- Beam Direction: Diagonally Upward
- Cooling: Sealed DI-Electric Oil Bath with Forced Air
- Detector: 1664 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 \(-32°F - 104°F\)
- Storage Temperature: -20°C - 60°C \(-4°F - 140°F\)

Video Display
- Display Resolution: 1280 x 1024; 24 bit/pixel Colour
- Display Type: Dual 19” LCD Colour Monitors

Electrical Connection
- 110VAC ±10%, 50/60Hz, 15 Amp Max
- 220VAC ±10%, 50/60Hz, 10 Amp Max

Physical
- Conveyor Capacity: 165 kg (364 lbs) Evenly Distributed Load
- Conveyor Height: 69.1 cm (27.2”) from Floor
- Conveyor Speed: 23 cm/s (45 ft/min) Forward or Reverse
- Dimensions: 229.2 cm x 100.6 cm x 140.0 cm (L x W x H) 90.2” x 39.6” x 55.1”
- Net Weight: 587kg (1294 lbs)
- Tunnel Size: 77.8 cm x 58.0 cm (W x H) 30.6” x 22.8”