

WG IS100XD

X-Ray Low Conveyor Large Baggage and Parcel Scanner

Product Code: 1020-04-3



WESTMINSTER
GROUP PLC

Key Features



180 kV Generator



High Image Resolution with 24-Bit Colour



Real-Time Image Manipulation



39mm Steel Penetration



Real-Time Self Diagnostics



6 Colour Imaging



Overview

The WG IS100XD is a compact X-Ray Inspection System designed for screening large baggage and heavy cargo.

Reconfigured with a symmetrical downshooter, the system generates crisp, detailed images. Its unique design gives it a slim operational profile and allows for a low conveyor only 30 cm (12") above the ground, to speed the loading and unloading of freight.

The imaging software provides remarkable clarity and object identification. Operators are able to assess images with a range of high-contrast filters and alternate colour palettes, enabling them to recognise objects and identify threats in less time and with greater accuracy.

With superior image resolution and higher throughput, the WG IS100XD makes it easy to isolate prohibited items within complex and cluttered bags, making it the perfect solution for military, transportation, and aviation sites responsible for processing high-volume cargo.

Features

High Image Resolution with 24-Bit Colour

Enhanced Material Discrimination

Repositioned Generator for Minimal Footprint

Real-time Diagnostics

Picture Perfect Image Analysis

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General Specifications

Conveyor Capacity evenly distributed	200 kg
Conveyor Height	30.0 cm from Floor
Conveyor Speed	23 cm/ s Forward or Reverse
Dimensions	L236.7cm x W127.5cm x H190.9cm
Net Weight	850 kg
Shipping Weight	1080 kg
Tunnel Size	W100.0cm x H100.0cm

Technical Specifications

Steel Penetration	37 mm Typical, 35 mm Standard
Wire Resolution	40 AWG Typical, 38 AWG Standard

X-Ray Generator & Image Performance

Beam Direction	Vertically Upward
Cooling	Sealed Di-electric Oil Bath with Forced Air
Duty Cycle	100%, No Warm-up Procedure Required
Tube Current	1.2mA
Voltage	Dual 180kV, Operating at 165kV

Computer & Video

Backup	Automatic Voltage Regulator (AVR)
Display Resolution	1600 x 1200; 24 Bit/ Pixel Colour
Display Type	Dual 24" Flat Panel Colour Monitors
Platform	Windows OS

Environmental

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

Electrical

System Power	110 VAC +/- 10% 50/60Hz, 15 Amp max, 220VAC +/- 10% 50/60Hz, 10 Amp max
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Health and Safety

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 U.S. Federal Standards)

Standard Features

- 6 Colour Imaging
- Colour and Black & White Imaging
- Geometric Image Distortion Correction
- High Penetration Function
- Organic/ Inorganic Imaging
- Picture Perfect
- Pseudo Colour
- Real-time Image Manipulation
- Reverse Monochrome
- Atomic Z-number Measurement
- Material Discrimination
- 9 Quadrant Zoom
- Continuous Scanning
- Continuous Zoom up to 64x
- Vertical Zoom Panning
- Auto Image Archiving
- Image Review
- Save Image (RGB)
- Image Annotation
- JPEG Conversion
- Print Image Capable
- Multi-tier Accessibility
- Network Ready
- Real-time Diagnostics
- Baggage Counter

Optional Features

- Barcode Scanning
- Density Alert
- Local Language
- Safe Passage Computer Based Training
- Screener Assist Software
- Test Case
- Threat Image Projection (TIP) software
- Custom Paint
- Entry/ Exit Roller Tables
- Environmental Kit
- Foot Mat Operator Interlock
- Mobility Kit
- Radiation Meter
- Polar Kit
- Remote Workstation Configuration

