

WG IS100X

X-Ray Large Baggage and Parcel Scanner

Product Code: 1020-04



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



Picture Perfect Image Analysis



Overview

The WG IS100X is a powerful X-Ray Inspection System designed for screening oversized luggage, large parcels, and small cargo at airports, customs facilities, and high-security checkpoints.

To optimize checkpoint performance, it is equipped with a powerful generator that produces crisp, high-resolution images that enable detailed inspections of complex bags and tightly-packed crates.

Combined with best-in-class software, the WG IS100X allows operators to recognize objects, identify materials, and isolate threats with better speed and accuracy.

Its greater image quality and processing power keeps bags moving quickly through the system without any loss of clarity, making it the ideal solution for airlines, freight forwarders, and parcel service companies that require efficient, high-security screening.

Features

High Image Resolution with 24-Bit Colour

Enhanced Material Discrimination

Windows Operating System with Intel Core Processor

Real-time Diagnostics

Picture Perfect Image Analysis

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General Specifications

Conveyor Capacity evenly distributed	200 kg
Conveyor Height	70.6 cm from floor
Conveyor Speed	23 cm/ s forward or reverse
Dimensions	L280.3cm x W137.2cm x H188.9cm
Net Weight	980 kg
Shipping Weight	1300 kg
Tunnel Size	W100.3cm x H101x.1cm

Technical Specifications

Steel Penetration	39 mm Typical, 37 mm Standard
Wire Resolution	40 AWG Typical, 38 AWG Standard

X-Ray Generator & Image Performance

Beam Direction	Diagonally upward
Cooling	Sealed Di-electric oil bath with forced air
Duty Cycle	100%, No warm-up procedure required
Tube Current	1.2mA
Voltage	180kV, Operating at 165kV

Computer & Video

Backup	Uninterruptible Power Supply (UPS)
Display Resolution	1280 x 1024; 24 bit/ pixel colour
Display Type	Dual 19" 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 self 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
- 24" flat panel monitor
- Custom paint
- Environmental kit
- Entry / exit roller tables
- Footmat operator interlock
- Heavy duty casters
- Mobility kit
- Radiation meter
- Remote workstation configuration

