

WG IS1080D X-Ray Low Conveyor Large Baggage & Parcel Scanner



WESTMINSTER
GROUP PLC

Product Code: 1020-16

Key Features



180 kV Generator



High Image Resolution with 24-Bit Colour



Real-Time Image Manipulation



37 mm Steel Penetration



Real-Time Self Diagnostics



6 colour imaging



Overview

The WG IS1080D X-Ray Low Conveyor Large Baggage and Parcel Scanner conveyor belt is 30 cm high, ideal for loading and unloading large baggage and heavy cargo

The conveyor is capable of supporting up to 200 kg.

The imaging software provides remarkable clarity and object identification, the 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.

With superior image resolution and higher throughput, the operator can easily isolate prohibited items within complex and cluttered items.

The scanner has 6 Colour Imaging, which enables operators to view screened objects in 6 colours, each colour correlating to a specific range of Atomic Z-Numbers. 6 Colour Imaging enables operators to achieve optimal material identification which serves to improve throughput.

Features

Small Footprint

High Image Resolution with 24-Bit Colour

Enhanced Material Discrimination

Windows Operating System with Intel Core Processor

Real-Time Self Diagnostics

Picture perfect image analysis

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General Specifications

| | |
|---|--------------------------------|
| Conveyor Capacity evenly distributed | 200 kg |
| Conveyor Height | 30 cm from floor |
| Conveyor Speed | 23 cm/ s forward or reverse |
| Dimensions | L239.2cm x W127.5cm x H170.1cm |
| Net Weight | 810 kg |
| Shipping Weight | 1105 kg |
| Tunnel Size | W101cm x H80cm |

Technical Specifications

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

X-Ray Generator & Image Performance

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|-----------------------|---|
| Beam Direction | Vertically downward |
| 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 |
| Detector | 2176 channels in an L-shaped array |

Computer & Video

| | |
|---------------------------|-------------------------------------|
| Display Resolution | 1600 x 1200; 24 bit/ pixel colour |
| Display Type | Dual 24" flat panel colour monitors |
| Backup | Uninterruptible Power Supply (UPS) |
| Platform | Windows OS |

Environmental

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|------------------------------|--------------------------|
| 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 |
|---------------------|--|

Health & 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 Protection (TIP) software
Remote workstation configuration
Custom paint
Environmental kit
Entry/ exit roller tables
Foot mat operator interlock
Heavy duty casters
Mobility kit
Radiation meter

