



WESTMINSTER
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Excellence through Service
Protecting your world



fire



safety



security



defence

WG X3DS X-Ray Baggage Scanner

The WG X3DS X-Ray Baggage Scanner is a fully integrated stand-alone x-ray inspection systems ideally suited to hand baggage and small package inspection.

The WG X3DS employs unique 'state of the art' technology to provide the operator with real-time 3D x-ray images. The operator is able to see whether a wire passes behind, in front of, or into a substance or container. Independent verification by the USA Transport Security Administration confirmed that using this system significantly improved the probability of an operator detecting threat items.



Offering superb image quality, materials discrimination, powerful image enhancement and processing functions for rapid accurate interpretation of images.

The WG X3DS's 'best in class' image quality combined with powerful image processing tools enable operators to make fast and accurate decisions, increasing throughput and decreasing the incidence of false alarms, or missed threats.

Benefits

- ▶ High quality 3d x-ray images;
- ▶ Powerful image processing tools;
- ▶ Increased probability of detection

WI Code: 10898

Westminster International Ltd,
Westminster House,
Blacklocks Hill,
Banbury,
Oxfordshire OX17 2BS,
United Kingdom.
T: +44 (0)1295 756300
F: +44 (0)1295 756302
E: info@wi-ltd.com
W: www.wi-ltd.com

The Association of
Police and Public
Security Suppliers



The Defence
Manufacturers
Association



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WG X3DS X-Ray Baggage Scanner

Image Processing

Developed on a Windows XP Embedded platform, the WG X3DS software provides the operator with powerful image processing capability coupled with ease of use.

- ▶ Pan & Zoom;
- ▶ 2D/3D;
- ▶ Flip;
- ▶ Materials Discrimination;
- ▶ Invert;
- ▶ Deep Focus;
- ▶ Variable contrast;
- ▶ Black & White.

With a combination of a robust, ergonomically designed keyboard intuitive software and the power of enhanced 3D visualisation, the training times for screeners is significantly reduced and their operational performance enhanced.

The WG X3DS is ideal for security scanning of hand baggage at airports, high security facilities, stadia and events.

The WG X3DS is also suitable for non-destructive inspection of a range of products.

Accessories

- ▶ Powered End Feed Rollers;
- ▶ Trip Trays;
- ▶ Search Light;
- ▶ Desking.

Technical Specifications

Physical Specifications

Footprint	270cm x 100cm
Weight	640kg
Inspection tunnel	40cm x 60cm
Conveyor speed	0.2 m/sec

X-Ray Generator

Anode voltage	140kV
Beam current	0.8mA max
Anode material	Tungsten
Filtration	3mm Al
Cooling	Sealed oil bath with forced air-cooling
Steel Penetration	27mm guaranteed, 29mm typical

Power

Voltage	110-240 VAC , 750W
Frequency	50-60 Hz

Environment

Operating temperature	0 to 40°
Relative humidity	5 to 95% non-condensing

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Imaging

Resolution	Typically 36SWG
Capability	2D and 3D imaging
Materials discrimination	Dual energy

Software

Standard image processing modes	Pan, zoom, 2D/3D, Flip, Invert, DeepFocus™, image filters, variable contrast, materials discrimination
Image Archive	Automatic image archiving and image review
Threat Image Projection	TIP, UK DfT approved

Safety

X-Ray emissions	Less than 1μSv/hr, conforms to IRR-99 (UK)
High voltage generator	Compliant with UL/CSE/IEC950

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