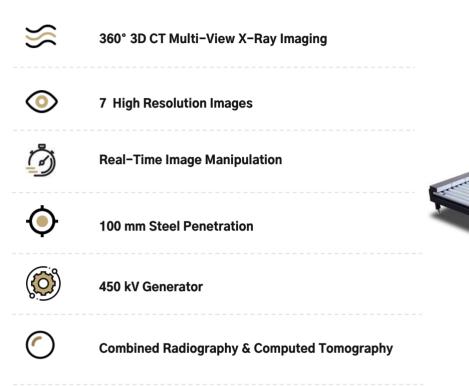
Multi-View 360°3D CT X-Ray Cargo Pallet Scanner



Product Code: 1040-05

Key Features



Overview

The Multi-View X-Ray CT Cargo Scanner it combines radiography and computed tomography, allowing freight forwarders, airlines, and government agencies to perform rapid and effective cargo inspections for contraband items.

It has a 450kV generator capable of penetrating more than 100 mm of steel, two times penetration of conventional x-ray cargo system.

It produces 7 x-ray images of the target item each from a different and distinct angle, it can process up to 60 cargo items / pallets per hour. Multiple passes of the target item can produce up to 35 images, providing a 360° inspection.

When inspecting complex, cluttered, and even nonhomogeneous items it can combine data from up to 5 multi-view passes to construct a 3D CT image. Operators can rotate the image on screen, for a full 360° view.

Using CT Screening it can process up to 20 cargo items / pallets per hour

Features

Multi-View 360° 3D CT Imaging

7 x High Resolution Images

450 kV Generator

100 mm Steel Penetration

60 Cargo Items / Pallets per hour

Multi-View 360°3D CT X-Ray Cargo Scanner



General Specifications

| Tunnel Size | W125.7 cm x H170.2 cm |
|------------------------|---|
| Dimensions | L1,260 cm x W453 cm x H296 cm |
| Net Weight | 32,500 kg approximately |
| Max Cargo Dimensions | L121.9 cm x W121.9 cm x H165.12 cm |
| Roller Bed Capacity | 1,600 kg |
| Roller Bed Speed | 0.2 m/s |
| Scan duration 1 Pass | 25 Seconds |
| Scan Duration 5 Passes | 180 Seconds |
| Thru put 1 Pass | Typical 60 Cargo items / Pallets per Hour |
| Thru put 5 Passes | Typical 20 Cargo items / Pallets per Hour |

Technical Specfications

Steel Penetration Minimum 90 mm 2% at 50 mm **Contrast Sensitivity** 7 Views per Pass **Rotation Per Pass** 45° Radiographic Wire Resolution Typical 28 AWG, Standard 24 AWG **Spatial Resolution** 2 mm Slots on a 4 mm Pitch Passes 5 Views 35 **Rotational Image** 225° Tomographic Voxel Resolution 3 mm³ **Rotational Image** 360° **Generator** Voltage 450 kV Current, Power 4.0 mA, 1.8 kW Oil Cooling, Chiller & Pump Cooling **Beam Direction** Horizontal side Shooter, Split Angled Beams 7 x 2432 Channelled in L Shaped Arrays Detectors **Electrical** System Power 85 Amp, 200-240 VAC, 3 Phase **Environmental Operating Temperature** 0°C to 45°C Humidity Up to 95% Non-Condensing

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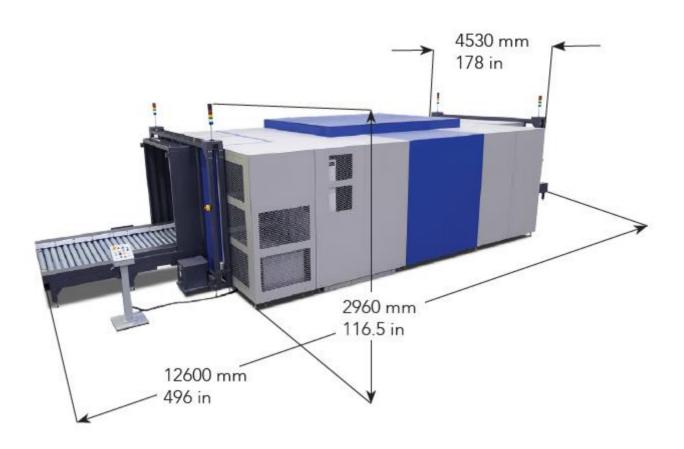
Health & Safety

Compliant with USFDA Center for Devices and Radiation Health Standards for Cabinet X-Ray Systems (21-CFR 1020.40)

Typical Radiation leakage is less than 0.2 mR/hr (Leakage less than 0.5 mR/hr permitted by U.S. Federal Standards

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WESTMINSTER

GROUP PLC