# 7555 X-RAY INSPECTION



**Explosives, Weapons and Contraband** 

SINGLE SOURCE, MULTI-ENERGY

X-RAY INSPECTION

TSA QUALIFIED



Built to handle the toughest throughput demands, the high-capacity 7555 X-ray scanner is ideal for screening mid-size parcels, cargo, luggage and more. TSA qualified for air cargo screening, this heavy-duty system delivers best-in-class speed and reliability when screening for explosives, weapons, drugs and other contraband. Multi-energy color material marking and stripping gives operators the edge when inspecting the most cluttered and densely-packed objects.

- > TSA qualified for air cargo screening
- > Patented guided conveyor belt never needs adjusting
- > Built on the industry's most stable and flexible operating system

## **APPLICATIONS:**

- > Cargo Screening
- Passenger, Staff and Visitor Checkpoint Inspection
- > Corporate, Government and Private Security
- > Critical Infrastructure Security
- > Mail Screening

### **PHYSICAL DETAILS**

**Tunnel Size:** 75.0 x 55.0 cm

29.6 x 21.7 in. (W x H)

**Dimensions:** 199.1 x 95.3 x 139.5 cm

78.4 x 37.5 x 54.9 in. (L x W x H)

Weight: 454 kg (1,000 lbs.) uncrated

589 kg (1,300 lbs.) crated

**Construction:** Unibody heavy gauge expoxy painted

> steel construction with stainless steel and aluminum trim and accessories;

non-marking casters

Operating: -15° to 55°C (5° to 131°F) Temperature:

Storage: -20° to 60°C (-4° to 140°F)

**Humidity:** 20% to 95%, non-condensing)

**Power Consumption:** < 0.8 kVA; < 8 amps 100, 120 volts AC

±10%; < 4 amps 200, 220, 230, 240, 250

volts AC ±10%; all at 50 or 60 Hz

### X-RAY GENERATOR

X-ray Tube Head: Self-contained with sealed oil bath cooling

**High Voltage Rating:** 160 kV, operating at 140 kV

100% **Duty Cycle:** 

**Beam Orientation:** Diagonal (80° beam divergence)

Dose Per Exam: 0.1 mR (1 µSv)

## **INSPECTION CAPABILITIES**

28-29 mm (1.10-1.14 in.) steel **Material Penetration:** 

**Contrast Sensitivity:** Over 2 million color tones standard

Resolution: 38-40 AWG wire

**Processing:** 32-bit adaptive image processing with

> minimum 1 Gbytes+ memory; 2.2GHz+ dual core processor; video processing using next generation graphical

processing unit architecture with 550MHz+ GPU clock, 512Mbyte+ video memory and

32+ stream processing cores

**Conveyor Speed:** 24.0 cm (9.4 in.) per second

14.6 m (48 ft.) per minute

**Pulling Weight:** 150 kg (331 lbs.)

Film Safety: Guaranteed for high-speed film up

to ISO 1600 (33 DIN)

## **DETECTORS**

High-speed, ultra-sensitive photodiode detector array; L-shaped for 100% object screening

#### **VIDEO**

17" color LCD monitor, 1280 x 1024 video card

#### STANDARD FEATURES

- autoSoft operating system
- Full-size operator control

panel (OCP) with touchpad

navigation

autoTracking guided conveyor

belt system

- Reversible conveyor direction
- High/low density stripping
- Organic/inorganic stripping
- Color; reverse B/W imaging
- Interactive help screens
- 128x Smart Zoom
- Adjustable zoom preview window

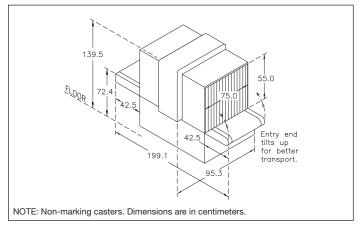
- D-SCAN
- Dark and light enhance
- RealClear
- autoDensAlert
- autoOutline
- autoSensing
- autoScale
- autoCal
- autoImage recall (10 images)
- Z-SCAN
- Save screen to USB

## **OPTIONS**

- Loading or exit rollerbeds
- Conveyor extensions
- Tropical humidity kit
- DVD drive
- autoMatAlert2
- autoZ display1
- Image archiving<sup>2</sup>
- Threat image projection (TIP)1
- Built-in training<sup>1</sup>
- Level 1 networking
- Level 2 and 3 networking<sup>1</sup>
- User management<sup>2</sup>
- STI Viewer software for archived image analysis
- Locking metal OCP cover

- Variable height OCP mount
- Dual and larger monitors
- Monitor platform
- Locking monitor garage
- Laser printer
- Console desk
- kV. mA meter
- Uninterruptible power supply
- Optical X-ray on/off sensor
- Footpad
- CE/CSA/ETL compliance<sup>2</sup>
- Item counter1
- Lighted E-Stops<sup>2</sup>

<sup>&</sup>lt;sup>2</sup> Standard with TSA air cargo screening configuration only



<sup>&</sup>lt;sup>1</sup> Not standard or an option with TSA air cargo screening configuration