

# 100100T X-RAY INSPECTION

Explosives, Weapons and Contraband

SINGLE SOURCE, MULTI-ENERGY

X-RAY INSPECTION

TSA QUALIFIED



The 100100T heavy-duty conveyorized X-ray inspection system is designed for screening large objects, hold baggage and cargo for concealed weapons, explosives and contraband. Multi-energy color allows operators to quickly spot areas of concern in the most thickly packed parcels, bulk loads and baggage. The system's high-capacity conveyor sits less than a foot from the floor for easier, more ergonomic loading.

- > TSA qualified for air cargo screening
- > Ideal for inspecting oversized and out of-gauge objects
- > Heavy-duty, high-capacity conveyor never needs adjusting

#### APPLICATIONS:

- > Cargo and Freight Screening
- > Hold Baggage Inspection
- > Customs and Border Inspection
- > Delivery Checkpoints

# 100100T SPECIFICATIONS

X-RAY INSPECTION

## PHYSICAL DETAILS

<b>Tunnel Size:</b>	100.0 x 100.0 cm 39.4 x 39.4 in. (W x H)
<b>Dimensions:</b>	318.8 x 131.1 x 186.4 cm 125.5 x 51.6 x 73.4 in (L x W x H)
<b>Weight:</b>	726 kg (1,600 lbs.) uncrated 998 kg (2,200 lbs.) crated
<b>Construction:</b>	Unibody heavy gauge epoxy painted steel construction with stainless steel and aluminum trim and accessories; non-marking casters
<b>Temperature:</b>	Operating: 0° to 40°C (32° to 104°F) Storage: -20° to 60°C (-4° to 140°F)
<b>Humidity:</b>	20% to 95%, non-condensing
<b>Power Consumption:</b>	< 7.5 amps 100, 110 volts AC ±10%; < 3.75 amps 200, 220, 230, 240, 250 volts AC ±10%; all at 50 or 60 Hz

## X-RAY GENERATOR

<b>X-ray Tube Head:</b>	Self-contained with sealed oil bath cooling
<b>High Voltage Rating:</b>	160 kV, operating at 140 kV
<b>Duty Cycle:</b>	100%
<b>Beam Orientation:</b>	Diagonal (80° beam divergence)
<b>Dose Per Exam:</b>	0.1 mR (1 µSv)

## INSPECTION CAPABILITIES

<b>Material Penetration:</b>	28–29 mm (1.10–1.14 in.) steel
<b>Contrast Sensitivity:</b>	Over 2 million color tones standard
<b>Resolution:</b>	38–40 AWG wire
<b>Processing:</b>	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

<b>Conveyor Speed:</b>	24.0 cm (9.4 in.) per second 14.6 m (48.0 ft.) per minute
<b>Pulling Weight:</b>	150 kg (331 lbs.)
<b>Film Safety:</b>	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

Color 17" 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

- 180 kV generator, operating at 170 kV<sup>1</sup>
- Loading or exit rollerbeds
- Conveyor extensions
- Dual conveyor motors
- Tropical humidity kit
- DVD drive
- autoMatAlert<sup>2</sup>
- autoZ display<sup>1</sup>
- Image archiving<sup>2</sup>
- Threat image projection (TIP)<sup>1</sup>
- 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
- 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 counter<sup>1</sup>
- Lighted E-Stops<sup>2</sup>

<sup>1</sup> Not standard or an option with TSA air cargo screening configuration  
<sup>2</sup> Standard with TSA air cargo screening configuration only

