

# 5333 X-RAY INSPECTION

Explosives, Weapons and Contraband

SINGLE SOURCE, MULTI-ENERGY

X-RAY INSPECTION



Shown with optional tunnel extensions.

Designed for screening small to mid-sized items for weapons, explosives, drugs and other contraband, the single-source, multi-energy 5333 X-ray inspection system is fast and easy to operate. Ideal for screening hand carried items such as purses, briefcases, backpacks, strollers, small parcels and more, the compact 5333 is a great choice for small or limited spaces. The system's low profile, bottom-up generator design makes fine lines appear much sharper and larger on-screen.

- > Rapidly images full mailbags and long or tall items
- > Fits in elevators, narrow halls and tight spaces
- > Patented guided conveyor belt never needs adjusting
- > Built on the industry's most stable and flexible operating system

#### APPLICATIONS:

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

# 5333 SPECIFICATIONS

## X-RAY INSPECTION

### PHYSICAL DETAILS

<b>Tunnel Size:</b>	53.0 x 33.0 cm 20.9 x 13.0 in (W x H)
<b>Dimensions:</b>	125.4 x 72.1 x 111.4 cm 49.4 x 28.4 x 43.6 in. (L x W x H)
<b>Weight:</b>	236 kg (520 lbs.) uncrated 313 kg (690 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>	< 0.7 kVA 100, 120, 200, 220, 240, 250 volts AC +10%; < 7 amps 100, 120 volts AC ±10%; < 3.5 amps 200, 220, 240, 250 volt; 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>	100 kV, operating at 90 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>	10–11 mm (0.39–0.43 in.) steel w/100 kV 28–29 mm (1.10–1.14 in.) steel w/160 kV
<b>Contrast Sensitivity:</b>	Over 2 million color tones standard
<b>Resolution:</b>	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 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

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

- 160 kV generator, operating at 140 kV
- Loading or exit rollerbeds
- Tunnel extensions
- Conveyor extensions
- Loading or exit 18" parcel slide
- Tropical humidity kit
- DVD drive
- autoMatAlert<sup>1</sup>
- autoZ display
- Image archiving
- Threat image projection (TIP)
- Built-in training
- Level 1, 2 and 3 networking
- User management
- 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
- Item counter

<sup>1</sup> Not available as an option with 100 kV configuration.

