

7555 X-RAY INSPECTION

Explosives, Weapons and Contraband



SINGLE SOURCE, DUAL ENERGY

X-RAY INSPECTION



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

7555 SPECIFICATIONS

X-RAY INSPECTION

PHYSICAL DETAILS

Tunnel Size:	75 x 55 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 21.7 in. (L x W x H)
Weight:	454 kg (1000 lbs.) uncrated 589 kg (1300 lbs.) crated
Construction:	Unibody heavy gauge epoxy painted steel construction with stainless steel and accessories; non-marking casters and leveling jackscrews
Temperature:	-15° to 55°C (5° to 131°F)
Humidity:	20% to 95%, non-condensing
Storage:	To 65°C (149°F)
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, shielded tank
High Voltage Rating:	160 kV, 140 kV operating voltage
Duty Cycle:	100% with sealed oil bath cooling
Beam Orientation:	Diagonal (80° beam divergence)
Dose Rate Per Exam:	0.1 mR; lower doses available

INSPECTION CAPABILITIES

Material Penetration:	28–29 mm (1.10–1.14 in.) steel
Contrast Sensitivity:	Over 2 million color tones standard
Resolution:	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 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

L-shaped detector for 100% object screening

Surface mounted, multilayer, fully integrated, high frequency solid state scintillator detectors, using state of the art high speed processors and CPUs and advanced signal processing

VIDEO

19" color LCD monitor, 1280 x 1024 video card

STANDARD FEATURES

- Multi-Energy color material identification with organic and inorganic stripping
- Full-sized, operator control panel with touchpad controls
- 128x Smart Zoom
- Dark and light enhance
- D-SCAN
- Color; reverse B/W
- High/Low density and stripping
- RealClear®
- autoImage recall (10 images)
- autoOutline® edge enhancement
- autoDensalert®
- autoTracking® guided conveyor belt system
- autoSensing®
- autoScale®
- autoCal®
- Reversible conveyor direction
- Interactive, user-friendly help screens
- Z-SCAN
- Save screen to USB

OPTIONS

- autoMatalert® automatically segments and classifies scanned objects based on atomic number and mass
- Image archiving (500K)
- Threat Image Projection (TIP)
- Loading or exit slides or rollerbeds
- Higher pulling weight
- Tropical humidity kit
- Dual or larger monitors
- Locking metal keypad cover
- AutoZ display
- autoArchive
- kV, mA meter or item counter
- Power conditioner, or UPS
- Optical X-ray on/off sensor
- Variable height keypad mount
- Locking monitor hood
- Remote operation
- Built-in training
- Rollerbeds
- Mobile networking
- Network Remote Management
- User Management
- Printer
- STI Viewer software for archived image analysis

