

100100B X-RAY INSPECTION

Explosives, Weapons and Contraband



SINGLE SOURCE, MULTI-ENERGY

X-RAY INSPECTION



The 100100B direct transmission X-ray system features a raised conveyor that enables sharper, larger screen images while making loading and offloading easier. This heavy-duty conveyorized scanner 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.

- > Ideal for inspecting oversized and out of gauge objects
- > Produces larger, more detailed images
- > Excels in high throughput applications

APPLICATIONS:

- > Airports
- > Courts
- > Customs and Border Inspection
- > Loading Docks
- > Mailrooms
- > Rail or Bus Stations
- > Government Buildings

100100B SPECIFICATIONS

X-RAY INSPECTION

PHYSICAL DETAILS

Tunnel Size:	100.0 x 100.0 cm 39.4 x 39.4 in. (W x H)
Overall Dimensions:	314.2 x 129.3 x 192.9 cm 123.7 x 50.9 x 75.9 in. (L x W x H)
Weight:	726 kg (1,601 lbs.) Net weight 998 kg (2,200 lbs.) Shipping weight
Construction:	Unibody heavy gauge epoxy painted steel construction with stainless steel and aluminum trim and accessories; non-marking casters
Temperature:	Operating: 0° to 40° C (32° to 104° F) Storage: -20° C to 60° C (-4° to 140° F)
Humidity:	20%-95%, non-condensing
System Power:	115/230 VAC +/- 10% 60/50 Hz 0.8 kVA max

X-RAY GENERATOR

X-ray Tube Head:	Self-contained with sealed oil bath cooling
High Voltage Rating:	160 kV, operating at 140 kV
Duty Cycle:	100%
Beam Orientation:	Diagonal (80° beam divergence)
Dose per Exam:	<0.1mR; <i>May be higher or lower due to differing combinations of kV level & X-ray beam configuration</i>
Radiation Leakage:	<0.5mR/hr (<5.0μSv/hr); <0.1mR/hr (<1.0μSv/hr) available

INSPECTION CAPABILITIES

Material Penetration (steel):	28 mm guaranteed (29 mm typical)
Contrast Sensitivity:	Over 2 million color tones standard
Resolution (wire):	38 AWG guaranteed (40 AWG typical)
Conveyor Speed:	24.0 cm (9.4 in.) per second 14.6 m (48 ft.) per minute
Pulling Weight:	160 kg (352 lbs.) Higher pulling weights available
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% package screening

VIDEO

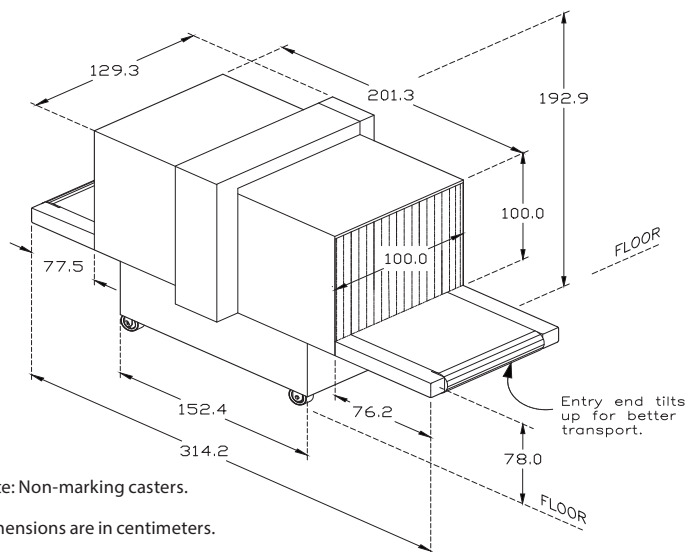
19" Color LCD monitor, 1280 x 1024 video card

STANDARD FEATURES

- autoCal
- autoDensalert
- autoImage recall (10 images)
- autoOutline
- autoSeasoning
- autoSensing
- autoSoft (LINUX) operating system
- autoTracking guided conveyor belt system
- 128x Smart Zoom
- Adjustable zoom preview window
- Color; reverse B/W imaging
- Dark and light enhance
- D-SCAN
- Full-sized operator control panel (OCP) with touchpad navigation
- High/Low Density and Stripping
- Interactive help screens
- Organic / Inorganic
- RealClear
- Real-Time Diagnostics
- Reversible conveyor direction
- Save screen to USB
- Z-SCAN

OPTIONS

- autoArchive
- autoColor+
- autoMatAlert
- autoZ display
- Built-in training
- CE/CSA/US safety/EMC certification
- Dual conveyor motors
- Dual monitors
- DVD drive
- Footpad
- Image archiving (500K)
- Image export in BMP & JPG
- Item counter
- kV, mA meter
- Larger monitors (at least: 24", HD flicker-free LCD; 1920x1080 res.)
- Laser printer
- Loading or exit rollerbeds
- Locking metal OCP cover
- Locking monitor garage
- Networking:
 - autoNet Live View
 - Remote Diagnostics
 - Remote Image Review
 - Remote Management
- Optical X-ray on/off sensor
- Power conditioner or UPS
- Remote Operation
- Sharp Scroll
- Threat Image Projection (TIP)
- Tropical humidity kit
- User management
- X-ray Image Viewer Software



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