100100B-DV
X-RAY INSPECTION

Explosives, Weapons and Contraband

AUTOCLEAR
SECURITY INSPECTION SYSTEMS

SINGLE SOURCE, MULTI-ENERGY

The versatile 100100B-DV is designed to screen for weapons, explosives, drugs and other contraband in objects that vary in size from hefty to hand-carried. Accommodating everything from large boxes, hold baggage, bulk deliveries and irregularly-shaped items to mail bins, strollers and briefcases, the 100100B-DV direct transmission, dual-view system displays two separate, perpendicular X-ray images to provide a complete inspection in a single scan.

> Built to inspect cargo, freight and oversized objects

> Heavy-duty conveyor never needs adjusting

> Multi-energy color marking highlights organic, inorganic and composite materials

> Perpendicular X-ray images enhance views of potential threats

APPLICATIONS:

> Cargo and Freight Screening

> Hold Baggage Inspection

> Customs and Border Inspection

> Passenger, Visitor and Delivery Checkpoints

100100B-DV SPECIFICATIONS

PHYSICAL DETAILS

Tunnel Size:	100.0 x 100.0 cm 39.4 x 39.4 in. (W x H)
Dimensions:	317.0 x 163.0 x 194.0 cm 124.8 x 64.2 x 76.4 in. (L x W x H)
Weight:	950 kg (2,100 lbs.) uncrated 1,225 kg (2,700 lbs.) crated
Construction:	Unibody heavy gauge epoxy painted steel construction with stainless steel and aluminum trim and accessories; non-marking casters
Temperature:	0° to 40°C (32° to 104°F)
Humidity:	95%, non-condensing
Storage:	To 65°C (149°F)
Power Consumption:	< 0.7 kVA; < 13 amps 110 volts AC +10%; < 13 amps 200, 220, 240, 250 volts; all at 50 or 60 Hz

X-RAY GENERATOR

X-ray Tube Head:	Self-contained, shielded tank
High Voltage Rating:	160 kV
Duty Cycle:	100% with sealed oil bath cooling
Beam Orientation:	Diagonal (80° beam divergence)
Dose Per Exam:	0.1 mR

INSPECTION CAPABILITIES

Material Penetration:	28–29 mm (1.10–1.14 in.) steel
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 or 2.4 GHz+ 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

L-shaped detector for 100% object screening

Surface mounted, multilayer, fully integrated, high frequency solid state detectors using high speed processors and Pentium 4 image processing
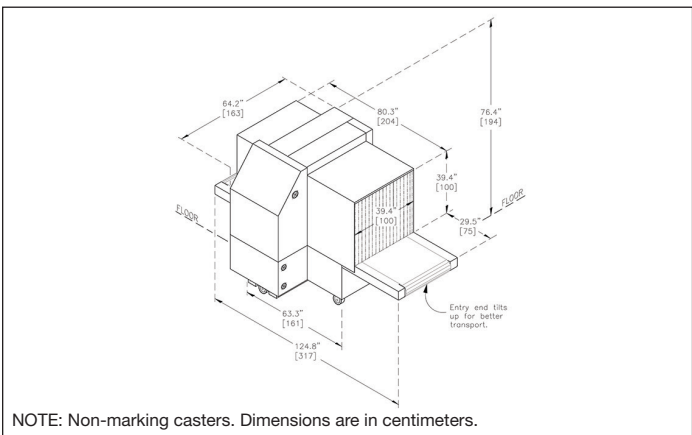
VIDEO

Two color 19" monitors, 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 and stripping
- Organic/inorganic stripping
- Color; reverse B/W imaging
- Interactive, user-friendly help screens
- 128x Smart Zoom
- D-SCAN
- Dark and light enhance
- autoImage recall (10 images)
- RealClear
- autoDensAlert
- autoOutline
- autoSensing
- Save screen to USB
- autoCal
- Z-SCAN
- Adjustable zoom preview window

OPTIONS

- Loading or exit rollerbeds
- Tropical humidity kit
- Dual conveyor motors
- DVD drive
- autoMatAlert
- autoZ display
- Image archiving (500K)
- Threat image projection (TIP)
- Built-in training
- Level 1, 2 and 3 networking
- Item counter
- STI Viewer software for archived image analysis
- User management
- Locking metal OCP cover
- Locking monitor garage
- Laser printer
- Console desk
- kV, mA meter
- Power conditioner, or UPS
- Optical X-ray on/off sensor
- Footpad
- autoArchive
- Remote operation

NOTE: Non-marking casters. Dimensions are in centimeters.

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