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

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

## 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 Gbyte+ 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

## Notes

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