

# 180150DVS X-RAY INSPECTION

Explosives, Weapons and Contraband



SINGLE SOURCE, MULTI - ENERGY

X-RAY INSPECTION



Featuring a heavy-duty, motorized rollerbed conveyor, the Autoclear 180150DVS X-ray inspection system is designed to screen cargo and pallets for weapons, explosives, currency and other contraband. The low positioned rollerbed makes it convenient for pallet loading and offloading when screening shipments at customs facilities, airports and warehouses.

Detailed X-ray images with advanced image enhancement tools assist operators to locate areas of concern in densely packed items.

- > Screen dense cargo, break bulk, and out of gauge objects quickly and thoroughly.
- > Extremely rugged frame construction resists wear
- > Built to meet the most challenging throughput demands.

## APPLICATIONS:

- > Cargo and Freight Screening
- > Hold Baggage Inspection
- > Customs and Border Inspection
- > Delivery Checkpoints

# 180150DVS SPECIFICATIONS

## PHYSICAL DETAILS

Tunnel Size:	180.0 x 150.0 cm 71.0 x 59.0 in. (W x H)
Overall Dimensions:	494.6 x 534.6 x 208.5 cm 194.7 x 210.5 x 82 in. (L x W x H)
Net Weight:	2,600 kg (5,732 lbs.) Net Weight 2,700 kg (5,953 lbs.) Shipping Weight
Construction:	Steel frame inner construction with stainless steel and heavy gauge epoxy painted outer panels and trim; 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:	230 VAC +/- 10% 60/50 Hz 2.2 kVA max

## X-RAY GENERATOR

X-ray Tube Head:	Self-contained, shielded tank with sealed oil bath cooling
High Voltage Rating:	170 kV, operating at 170 kV
Duty Cycle:	100%
Beam Orientation:	Diagonal: (80° beam angle)
Dose per Exam:	<0.1mR; <i>May be higher or lower due to differing combinations of kV level &amp; 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):	38 mm (Typical)
Contrast Sensitivity:	Over 2 million color tones standard
Resolution (wire):	40 AWG (Typical)
Conveyor Speed:	24.0 cm (9.4 in.) per second 14.6 m (48 ft.) per minute
Pulling Weight:	1,500 kg (3,307 lbs.)
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

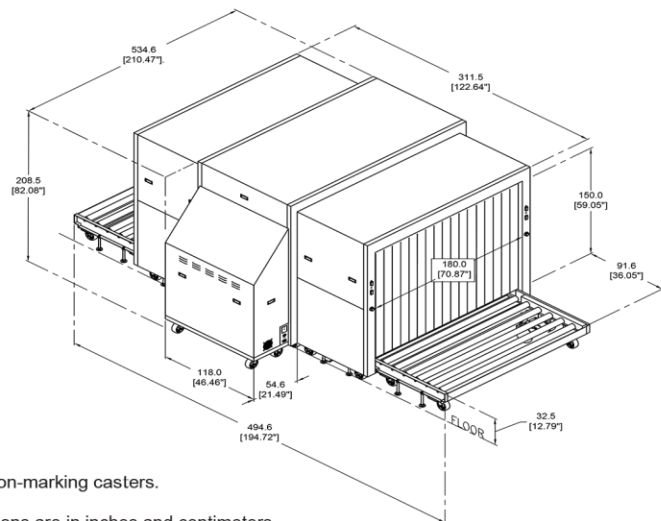
22" Color LCD monitor, 1920 x 1080 resolution

## STANDARD FEATURES

- autoCal
- autoDensAlert
- autoImage recall (10 images)
- autoOutline
- autoSeasoning
- autoSensing
- autoSoft (LINUX) operating 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
- Motorized rollerbed conveyor
- Organic / Inorganic
- RealClear
- Real-Time Diagnostics
- Reversible conveyor direction
- Save screen to USB
- Z-SCAN

## OPTIONS

- autoArchive
- autoColor+
- autoMatAlert+autoNarc
- autoZ display
- AI Threat Assist
- Built-in training
- CE/CSA/US safety/EMC certification
- Console desk
- 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
- 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



Note: Non-marking casters.

Dimensions are in inches and centimeters.



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