# 150150 X-RAY INSPECTION



Explosives, Weapons and Contraband

SINGLE SOURCE, MULTI-ENERGY

X-RAY INSPECTION



Featuring a heavy-duty, motorized rollerbed conveyor, the Autoclear 150150 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

### **PHYSICAL DETAILS**

**Tunnel Size:** 150.0 x 150.0 cm

59.0 x 59.0 in. (W x H)

**Dimensions:** 367.0 x 240.0 x 208.7 cm

144.5 x 94.5 x 82.2 in. (L x W x H)

Weight: 1,406 kg (3,100 lbs.) uncrated

1,633 kg (3,600 lbs.) crated

**Construction:** Steel frame inner construction with

navigation stainless steel and heavy gauge epoxy Motorized rollerbed conveyor

painted outer panels and trim;

non-marking casters

Temperature: 0° to 40°C (32° to 104°F)

20% to 95%, non-condensing **Humidity:** 

To 65°C (149°F) Storage:

**Power Consumption:** < 2.5 kVA, three phase 208, 380, 415

Self-contained

0.1 mR (1 µSv)

160 kV, operating at 140 kV

or 480 volts AC ±10%; all at 50 or 60 Hz

**VIDEO** 

Color 17" monitor, 1280 x 1024 video card

STANDARD FEATURES

autoSoft operating system

panel (OCP) with touchpad

Reversible rollerbed direction

High/low density stripping Organic/inorganic stripping

Color; reverse B/W imaging

Interactive help screens

Adjustable zoom preview

128x Smart Zoom

Full-size operator control

- Tropical humidity kit
- DVD drive
- autoMatAlert
- Image archiving

- User management
- STI Viewer software for

- D-SCAN
- Dark and light enhance
- RealClear
- autoDensAlert
- autoOutline
- autoSensing
- autoScale
- autoCal
- autoImage recall (10 images)
- **Z-SCAN**
- Save screen to USB
- Item counter

#### 100% with sealed oil bath cooling **Duty Cycle: Beam Orientation:** Diagonal (80° beam divergence)

X-RAY GENERATOR

X-ray Tube Head: **High Voltage Rating:** 

Dose Per Exam:

## **INSPECTION CAPABILITIES**

**Material Penetration:** 27-29 mm (1.06-1.14 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+ 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 (48.0 ft.) per minute

**Pulling Weight:** 1,200 kg (2,700 lbs.)

Film Safety: Guaranteed for high-speed film up

to ISO 1600 (33 DIN)

## **OPTIONS**

window

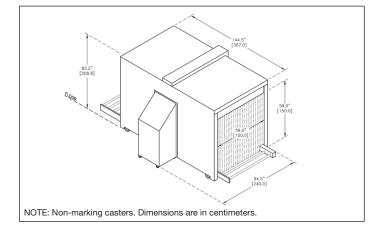
- autoZ display
- Threat image projection (TIP)
- **Built-in training**
- Level 1, 2 and 3 networking
- archived image analysis

- Locking metal OCP cover
- Dual and larger monitors
- Locking monitor garage
- Laser printer
- Console desk
- kV, mA meter
- Uninterruptible power supply
- Optical X-ray on/off sensor
- Footpad
- CE/CSA/ETL compliance

## **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





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ISO 9001-2008 REGISTERED

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