150180
X-RAY INSPECTION

Explosives, Weapons and Contraband

AUTOCLEAR
SECURITY INSPECTION SYSTEMS

SINGLE SOURCE, MULTI-ENERGY

The Autoclear 150180 X-ray inspection system features a large 150.0 x 180.0 cm (59.0 x 70.9 in.) tunnel opening ideal for screening break bulk, cargo, large deliveries and oversized items for weapons, explosives and contraband. The high-capacity system features a low positioned rollerbed for easy pallet loading and offloading for speedy security inspections. Detailed X-ray images with advanced image enhancement tools assist operators to locate areas of concern in densely packed items.

> Screen cargo, break bulk and large deliveries quickly

> 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

150180 SPECIFICATIONS

PHYSICAL DETAILS

Tunnel Size:	150.0 x 180.0 cm 59.0 x 70.9 in. (W x H)
Dimensions:	367.0 x 240.0 x 238.7 cm 144.5 x 94.5 x 94.0 in. (L x W x H)
Weight:	1,565 kg (3,450 lbs.) uncrated 1,792 kg (3,950 lbs.) crated
Construction:	Steel frame inner construction with stainless steel and heavy gauge epoxy painted outer panels and trim; non-marking casters
Temperature:	0° to 40°C (32° to 104°F)
Humidity:	20% to 95%, non-condensing
Storage:	To 65°C (149°F)
Power Consumption:	< 2.5 kVA, three phase 208, 380, 415 or 480 volts AC ±10%; all at 50 or 60 Hz

X-RAY GENERATOR

X-ray Tube Head:	Self-contained
High Voltage Rating:	160 kV, operating at 140 kV
Duty Cycle:	100% with sealed oil bath cooling
Beam Orientation:	Diagonal (80° beam divergence)
Dose Per Exam:	0.1 mR (1 µSv)

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)

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
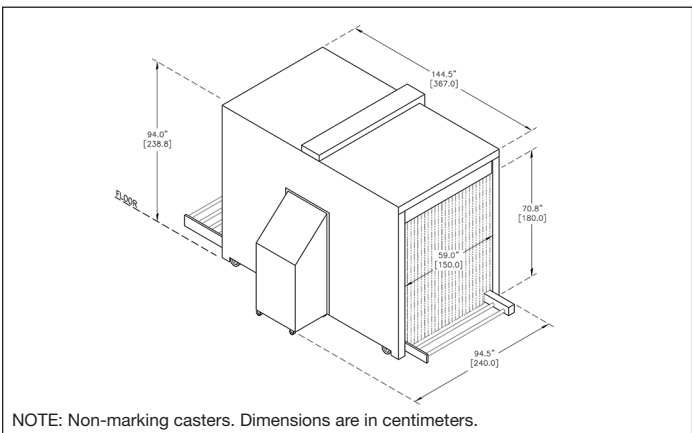
VIDEO

Color 19" monitor, 1280 x 1024 video card

STANDARD FEATURES

- autoSoft operating system
- Full-size operator control panel (OCP) with touchpad navigation
- Motorized rollerbed conveyor
- Reversible rollerbed direction
- Interactive help screens
- Color; reverse B/W imaging
- High/low density stripping
- Organic/inorganic stripping
- 128x Smart Zoom
- Adjustable zoom preview window
- D-SCAN
- Dark and light enhance
- RealClear
- autoDensAlert
- autoOutline
- autoSensing
- autoImage recall (10 images)
- autoCal
- Z-SCAN
- Save screen to USB

OPTIONS

- 180 kV generator, operating at 170 kV
- Tropical humidity kit
- DVD drive
- autoMatAlert
- autoZ display
- Image archiving (500K)
- Threat image projection (TIP)
- Built-in training
- Level 1, 2 and 3 networking
- User management
- STI Viewer software for archived image analysis
- Locking metal OCP cover
- Dual and larger monitors
- Locking monitor garage
- Laser printer
- Console desk
- kV, mA meter
- Power conditioner, or UPS
- Optical X-ray on/off sensor
- Footpad
- CE/CSA/ETL compliance
- Item counter
- Remote operation
- autoArchive

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

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