8880BZD
X-RAY INSPECTION

Explosives, Weapons and Contraband

»> AUTOCLEAR
SECURITY INSPECTION SYSTEMS

CROSS-ENHANCED BACKSCATTER, MULTI-ENERGY
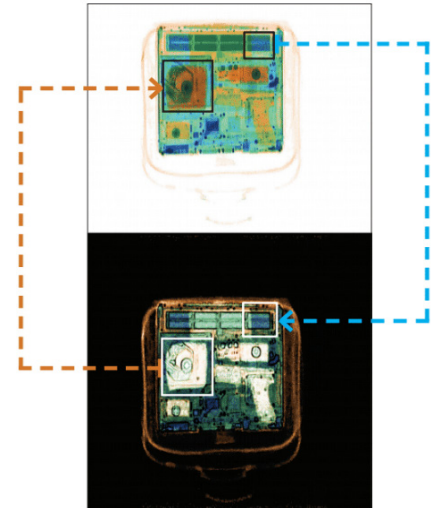
Cross-enhanced Backscatter and Multi-energy X-ray Technology:

Inorganics (steel, nickel-cadmium, copper) from the transmission image are cross-enhanced to the backscatter image.

Organics (plastics, explosives, narcotics, liquids) from the backscatter image are cross-enhanced to the transmission image.

Both images are presented on one monitor for easier viewing.

The precision of multi-energy backscatter X-ray technology, generous tunnel size, and a shorter footprint come together in the 8880BZD. Autoclear's uniquie single X-ray focal spot design creates identical pixel-for-pixel overlays of both backscatter and transmission images to produce better views of concealed objects, and display areas of concern in bright color. The 8880BZD scanner features a single generator. This approach is designed to lower operating and maintenance costs, reduce dose exposure, improve image analysis ergonomics, and reduce the system footprint.

> Autoclear's Eco-Dose is the lowest radiation dosage in the industry

> Creates images that no other machine can

> Cross-enhancement makes it easier to identify potential threats such as explosives hidden behind batteries in a laptop computer

> Both transmission and backscatter images appear on one monitor for easier viewing

APPLICATIONS:

> Military

> Corrections

> Corporate, Government, and Private Security

> Customs and Border Inspection

> VIP and Diplomatic Protection

> Embassies and Consulates

> High-Risk Events

8880BZD SPECIFICATIONS

PHYSICAL DETAILS

Tunnel Size:	88.0 x 80.0 cm 34.6 x 31.5 in. (W x H)
Overall Dimensions:	168.0 x 156.0 x 171.0 cm 66.1 x 61.4 x 67.3 in. (L x W x H)
Weight:	830 kg (1,830 lbs.) Net weight 966 kg (2,130 lbs.) Shipping weight
Construction:	Unibody heavy gauge steel construction, epoxy painted; with stainless steel and aluminum trim and accessories; non-marking casters
Temperature:	Operating: 3° to 40° C (37° to 104° F) Storage: -48° to 60° C (-54° to 140° F)
Humidity:	20%-95%, non-condensing
System Power:	115/230 VAC +/- 10% 60/50 Hz 1.7 kVA max

X-RAY GENERATOR

X-ray Tube Head:	Self-contained with sealed oil bath cooling
High Voltage Rating:	160 kV, operating at 160 kV
Duty Cycle:	100%
Dose per Exam:	<0.01mR; *other Autoclear models may be higher or lower due to differing combinations of kV level & X-ray beam configuration*
Radiation Leakage:	<0.5mR/hr (<5.0μSv/hr); 0.1mR/hr (<1.0μSv/hr) available

INSPECTION CAPABILITIES

Material (steel) Penetration:	26 mm guaranteed (28 mm typical)
Contrast Sensitivity:	Over 2 million color tones standard
Resolution (wire):	24 mm guaranteed (26 AWG typical)
Conveyor Speed:	12.2 cm (4.8 in.) per second 7.3 m (24 ft.) per minute
Pulling Weight:	160 kg (352 lbs.)
Film Safety:	Guaranteed for high-speed film up to ISO 1600 (33 DIN)

DETECTORS

High-speed, high sensitivity scintillator/PMT arrays for backscatter and transmission signal collection.

VIDEO

27" Color LCD monitor, up to 1920 x 1080 video card

STANDARD FEATURES

- autoCal
- autoDensalert
- autoImage recall (10 images)
- autoOutline
- autoScale
- autoSeasoning
- autoSensing
- autoSoft (LINUX) operating system
- autoTracking guided conveyor belt
- 128x Smart Zoom
- Adjustable zoom preview window
- Built-in folding conveyor extention and table
- Dark and light enhance
- Full-sized operator control panel (OCP) with touchpad navigation
- High/Low Density and Stripping
- Interactive help screens
- Organic / Inorganic Stripping
- RealClear
- Real-Time Diagnostics
- Reversible conveyor direction
- Save screen to USB
- Variable height keyboard mount
- Z-Scan

OPTIONS

- autoMatAlert
- autoZ display
- Adjustable OCP side mount
- Built-in training
- CCE Full Screen Presentation
- 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
- Laser printer
- Loading or exit rollerbeds
- Locking metal OCP cover
- Motorized rollerbed conveyor
- Networking:
  - autoNet Live View
  - Remote Diagnostics
  - Remote Image Review
  - Remote Management
- Optical X-ray on/off sensor
- Sharp Scroll
- Tropical humidity kit
- Uninterruptible power supply
- User management
- X-ray image viewer software
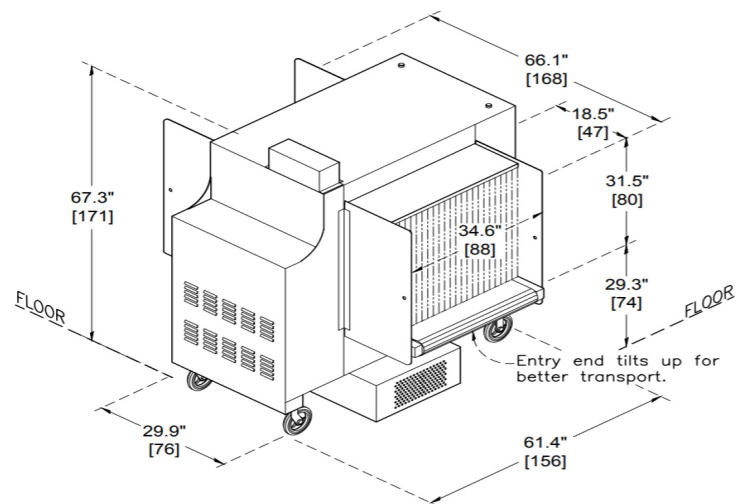
Note: Non-marking casters.

Dimensions are in inches and centimeters.