6848
X-RAY INSPECTION

Explosives, Weapons and Contraband

SINGLE SOURCE, MULTI-ENERGY

X-RAY INSPECTION

The high-capacity 6848 is designed for inspecting medium-sized baggage, briefcases, parcels and other hand carried items. The unit's 160 kV X-ray generator can penetrate 28 mm (1 in.) of steel, and the L-shaped detector design ensures that objects are scanned in their entirety. The 6848 is equipped with a full suite of intuitive imaging tools that give operators an edge when screening for weapons, explosives or contraband.

> Quickly images long or tall items

> Bottom-up generator design enhances fine lines on screen

> Patented guided conveyor belt never needs adjusting

> Built on the industry's most stable and flexible operating system

APPLICATIONS:

> Airports

> Customs

> Government Buildings

> Critical Infrastructure

> Special Events

> Loading Docks

6848 SPECIFICATIONS

PHYSICAL DETAILS

Tunnel Size:	68.0 x 48.0 cm 26.8 x 18.9 in. (W x H)
Dimensions:	185.4 x 88.1 x 132.7 cm 73.0 x 34.7 x 52.3 in. (L x W x H)
Weight:	403 kg (890 lbs.) uncrated 517 kg (1,150 lbs.) crated
Construction:	Unibody heavy gauge epoxy painted steel construction with stainless steel and aluminum trim and accessories; non-marking casters
Temperature:	Operating: 0° to 40°C (32° to 104°F) Storage: -20° to 60°C (-4° to 140°F)
Humidity:	20% to 95%, non-condensing
Power Consumption:	< 0.6 kVA; < 6 amps 100, 120 volts AC +10%; < 3 amps 200, 220, 230, 240, 250 volts AC +10%; all at 50 or 60 Hz

X-RAY GENERATOR

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

INSPECTION CAPABILITIES

Material Penetration:	28–29 mm (1.10–1.14 in.) steel
Contrast Sensitivity:	Over 2 million color tones standard
Resolution:	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 ft.) per minute
Pulling Weight:	150 kg (331 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% object screening

VIDEO

Color 17" monitor, 1280 x 1024 video card

STANDARD FEATURES

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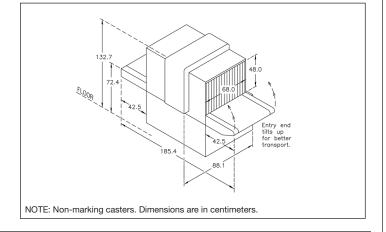- autoTracking guided conveyor belt system
- Reversible conveyor direction
- High/low density stripping
- Organic/inorganic stripping
- Color; reverse B/W imaging
- Interactive help screens
- 128x Smart Zoom
- Adjustable zoom preview window
- D-SCAN
- Dark and light enhance
- RealClear
- autoDensAlert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

OPTIONS

- Loading or exit rollerbeds
- Conveyor extensions
- Tropical humidity kit
- DVD drive
- autoMatAlert
- autoZ display
- Image archiving
- 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
- Variable height OCP mount
- Dual and larger monitors
- Monitor platform
- Locking monitor garage
- Laser printer
- Console desk
- kV, mA meter
- Uninterruptible power supply
- Optical X-ray on/off sensor
- Footpad
- Item counter

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