

# 6040 X-RAY INSPECTION

Explosives, Weapons and Contraband

SINGLE SOURCE, DUAL ENERGY

X-RAY INSPECTION



The single-source, dual-energy 6040 X-ray inspection system is designed to screen small- to mid-sized items for weapons, explosives, drugs and other contraband. The right size for scanning strollers, briefcases, backpacks, purses and other hand-carried items, this compact workhorse is ready to meet the toughest throughput demands. With a trim footprint, the user-friendly 6040 delivers best-in-class speed and detection capability and makes the most of available space.

- > TSA qualified for air cargo screening
- > Rapidly images full mailbags and long or tall items
- > Fits in elevators, narrow halls and tight spaces
- > Patented guided conveyor belt never needs adjusting

#### APPLICATIONS:

- > Passenger, Staff and Visitor Checkpoint Inspection
- > Corporate, Government and Private Security
- > Critical Infrastructure Security
- > Mail Screening

# 6040 SPECIFICATIONS

## X-RAY INSPECTION

### PHYSICAL DETAILS

<b>Tunnel Size:</b>	62 x 42 cm 24.4 x 16.5 in. (W x H)
<b>Dimensions:</b>	154.6 x 80.9 x 126.4 cm 60.9 x 31.9 x 49.8 in. (L x W x H)
<b>Weight:</b>	352 kg (775 lbs.) uncrated 442 kg (975 lbs.) crated
<b>Construction:</b>	Unibody heavy gauge epoxy painted steel construction with stainless steel and aluminum trim and accessories; non-marking casters
<b>Temperature:</b>	-15° to 55°C (5° to 131°F)
<b>Humidity:</b>	20% to 95%, non-condensing
<b>Storage:</b>	To 65°C (149°F)
<b>Power Consumption:</b>	< 0.8 kVA; < 8 amps 100, 120 volts AC ±10%; < 4 amps 200, 220, 230, 240, 250 volts AC ±10%, all at 50 or 60 Hz

### X-RAY GENERATOR

<b>X-ray Tube Head:</b>	Self-contained
<b>High Voltage Rating:</b>	160 kV, 140 kV operating voltage
<b>Duty Cycle:</b>	100% with sealed oil bath cooling
<b>Beam Orientation</b>	Diagonal (80° beam divergence)
<b>Dose Rate Per Exam:</b>	0.1 mR; lower doses available

### INSPECTION CAPABILITIES

<b>Material Penetration:</b>	28–29 mm (1.10–1.14 in.) steel
<b>Contrast Sensitivity:</b>	Over 2 million color tones standard
<b>Resolution:</b>	38–40 AWG wire
<b>Processing:</b>	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
<b>Conveyor Speed:</b>	24 cm (9.4 in.) per second 14.6 m (48 ft.) per minute
<b>Pulling Weight:</b>	150 kg (331 lbs.) with higher weights available
<b>Film Safety:</b>	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

19" color LCD monitor, 1280 x 1024 video card

### STANDARD FEATURES

- Multi-Energy color material identification with organic and inorganic stripping
- Full-sized, operator control panel with touchpad controls
- 128x Smart Zoom
- Dark and light enhance
- D-SCAN
- Color; reverse B/W
- High/low density and stripping
- RealClear®
- Z-SCAN
- Save screen to USB
- autoOutline® edge enhancement
- autoDensalert®
- autoTracking® guided conveyor belt system
- autoSensing®
- autoScale®
- autoCal®
- Reversible conveyor direction
- Interactive, user-friendly help screens
- autoImage recall (10 images)

### OPTIONS

- autoMatalert® automatically segments and classifies scanned objects based on atomic number and mass
- Image archiving (500K)
- Threat Image Projection (TIP)
- Loading or exit slides or rollerbeds
- Higher pulling weight
- Tropical humidity kit
- Dual or larger monitors
- Locking metal keypad cover
- AutoZ display
- autoArchive
- kV, mA meter or item counter
- Power conditioner or UPS
- Optical X-ray on/off sensor
- Variable height keypad mount
- Locking monitor hood
- Remote operation
- Built-in training
- Rollerbeds
- Mobile networking
- Remote network management
- User management
- Printer
- STI Viewer software for archived image analysis

