



XIS-6545™



PRODUCT HIGHLIGHTS

Picture perfect image analysis

Real-time diagnostics

High image resolution with 24-bit colour

Enhanced material discrimination

Windows Operating System with Intel Core™ Processor

The XIS-6545™ is a cost-effective and reliable X-Ray Inspection System (XIS) built with a narrow frame and large tunnel dimensions that enable it to screen a wide range of bags and parcels at checkpoints with limited space.

With a powerful generator, the XIS-6545 provides crisp, high-resolution images. Combined with Astrophysics' best-in-class software, it allows operators to identify materials, recognize objects, and isolate threats with better speed and accuracy. Its superior image quality enables higher throughput, with less time spent on secondary inspections.

An efficient and high-performance system, the XIS-6545 offers powerful protection against threats from weapons, narcotics, and contraband.

The Astrophysics XIS-6545 is designed and assembled in the United States to the highest quality standards. For nearly twenty years, Astrophysics has led the industry in research and development, creating integrated solutions to advance the critical security missions of our customers and partners.

GENERAL SPECIFICATIONS

Tunnel Size:	65.0 cm x 45.1 cm
(WxH)	25.6" x 17.8"
Dimensions: ¹	153.4 cm x 88.8 cm x 130.5 cm
(LxWxH)	60.4" x 35.0" x 51.4"
Net Weight: ¹	431 kg (950 lbs)
Shipping Weight: ¹	600 kg (1323 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Height:	71.9 cm (28.3") from Floor
Conveyor Capacity:	165kg (364 lbs) Evenly Distributed Load

TECHNICAL

Wire Resolution:	40 AWG Typical, 38 AWG Standard
Steel Penetration: ²	39 mm Typical, 37 mm Standard

X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	160kV, operating at 150kV
Tube Current:	0.7mA
Duty Cycle:	100%, No warm-up procedure required
Beam Direction:	Diagonally upward

COMPUTER & VIDEO

Platform:	Windows® OS
Memory:	4BG RAM
Storage capacity:	1 TB HDD, 240 GB SSD
Power conditioner:	Automatic voltage regulator (AVR), 600VA
Display type:	Single 19" flat panel colour monitor

ENVIRONMENTAL

Operating Temperature:	0°C - 40°C \ 32°F - 104°F
Storage Temperature:	-20°C - 60°C \ -4°F - 140°F
Humidity:	Up To 95% Non-Condensing

ELECTRICAL

	110 VAC +/- 10% 50/60Hz, 15 Amp Max
System Power:	220 VAC +/- 10% 50/60Hz, 10 Amp Max

HEALTH & SAFETY

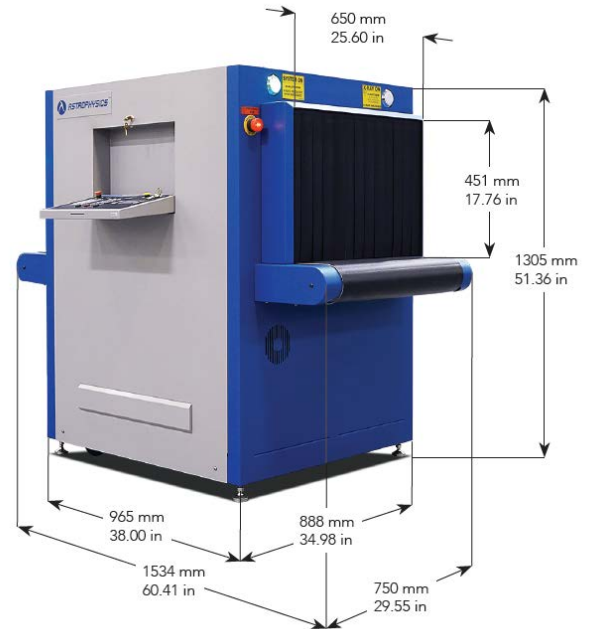
Compliant with USFDA Center for Devices and Radiation Health Standards for Cabinet X-Ray Systems (21-CFR 1020.40)
 Typical radiation leakage is less than 0.1 mR/hr
 (Leakage less than 0.5 mR/hr permitted by U.S. Federal Standards)

STANDARD FEATURES

- 6 Color Imaging
- Color and Black/White Imaging
- Geometric Image
- Distortion Correction
- High Penetration Function
- Organic/Inorganic Imaging
- Picture Perfect
- Pseudo Color
- Real-Time Image Manipulation
- Reverse Monochrome
- Atomic Z-Number Measurement
- Material Discrimination
- 9 Quadrant Zoom
- Continuous Scanning
- Continuous Zoom Up to 64x
- Vertical Zoom Panning
- Auto Image Archiving
- Image Review
- Save Image (RGB)
- Image Annotation
- JPEG Conversion
- Print Image Capable
- Multi-Tier Accessibility
- Network Ready
- Real-Time Self Diagnostics
- Baggage Counter

OPTIONAL FEATURES³

- 8 Colour imaging
- Barcode Scanning
- Computer Based Training (CBT)
- Density Alert
- Local Language
- Safe Passage®
- Computer Based Training
- Screener Assist Software
- Test Case
- Threat Image Projection (TIP) Software
- 24" Flat panel monitor
- Custom paint
- Dual Monitors (19" or 24")
- Environmental Kit
- Custom Paint
- Entry/Exit Roller Tables
- Footmat Operator Interlock
- Heavy duty casters
- Long Conveyor
- Mobility kit
- Radiation Meter
- Remote Workstation Configuration
- Uninterruptible Power Supply (UPS)



¹Weight and dimensions of the system may vary depending on customization.

²As tested on Astrophysics Inc. Test Piece.

³Optional Features may affect lead time, price, and weight of product. Please contact your Todd Research Sales Representative for more information.

Due to continued product research and development, Todd Research Ltd reserves the right to amend all technical specifications without prior notice.

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