

320kV  
<sup>TM</sup>  
**XIS-1818**



CONFIDENTIAL

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**PRODUCT HIGHLIGHTS**

320kV Generator

80 mm Steel Penetration

40 AWG Wire Resolution

Enhanced Material Discrimination

Real-Time Diagnostics

Picture Perfect Image Analysis

The XIS-1818 320kV<sup>TM</sup> is a powerful X-Ray Inspection System (XIS) designed for screening cargo at airports, customs centers, transit hubs, and freight facilities. Its 320kV generator provides the highest level of steel penetration and image resolution of any cargo system its size. For higher throughput, its heavy roller bed conveyor is only 38 cm (15") above the floor, convenient for loading and unloading freight.

Combined with Astrophysics' best-in-class software, the XIS-1818 320kV allows operators to recognize objects, identify materials, and isolate threats with greater speed and accuracy.

The Astrophysics XIS-1818 320kV 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.

**TOMORROW'S TECHNOLOGY FOR TODAY'S SECURITY**<sup>TM</sup>

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BIC RABONL2U



**GENERAL SPECIFICATIONS**

Tunnel Size: (WxH)	181.1 cm x 180.7 cm 71.3" x 71.1"
Dimensions: <sup>2</sup> (LxWxH)	949.4 cm x 310.5 cm x 240.0 cm 373.8" x 122.2" x 94.5"
Net Weight: <sup>2</sup>	12000 kg (26400 lbs)
Shipping Weight: <sup>2</sup>	16135 kg (35570 lbs)
Roller Bed Speed:	20 cm/s (39 ft or 12m/min) Forward or Reverse
Roller Bed Height:	34.3 cm (13.5") from Floor
Roller Bed Capacity:	3000 kg (6614 lbs) Evenly Distributed Load

**TECHNICAL**

Wire Resolution:	40 AWG Typical, 38 AWG Standard
Steel Penetration: <sup>1</sup>	80 mm Typical, 75 mm Standard

**X-RAY GENERATOR & IMAGE PERFORMANCE**

Voltage:	320kV
Tube Current:	7.0 mA
Cooling:	Sealed Di-Electric Oil Bath with Forced Air
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Horizontally Sideward

**COMPUTER & VIDEO**

Platform:	Windows® OS
Backup:	Uninterruptible Power Supply (UPS) (Computer Operation)
Display Type:	Dual 24" Flat Panel Color Monitors
Display Resolution:	1600 x 1200; 24 Bit/Pixel Color

**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**

System Power:	220VAC +/- 10%, 50/60Hz, 100 Amp Min.
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**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 the Federal Standard)

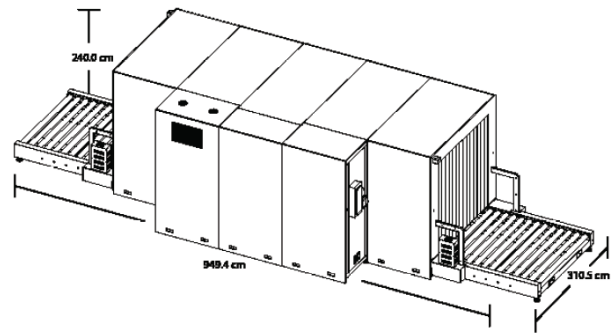
**STANDARD FEATURES**

- 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
- 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 FEATURES<sup>3</sup>**

- Barcode Scanning
- Density Alert
- Local Language
- Safe Passage®
- Computer Based Training
- Screener Assist Software
- Test Case
- Threat Image Protection (TIP) Software
- Custom Paint
- Entry/Exit Roller Tables
- Environmental Kit
- Footmat Operator Interlock
- Mobility Kit
- Radiation Meter

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ISO 9001: Certified

<sup>1</sup>As tested on Astrophysics Inc. Test Piece.  
<sup>2</sup>Weight and dimensions of the system may vary depending on customization.  
<sup>3</sup>Optional Features may affect lead time, price, and weight of product. Please contact your Astrophysics Sales Representative for more information.

Due to continued product research and development, Astrophysics Inc. reserves the right to amend all technical specifications without prior notice.

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