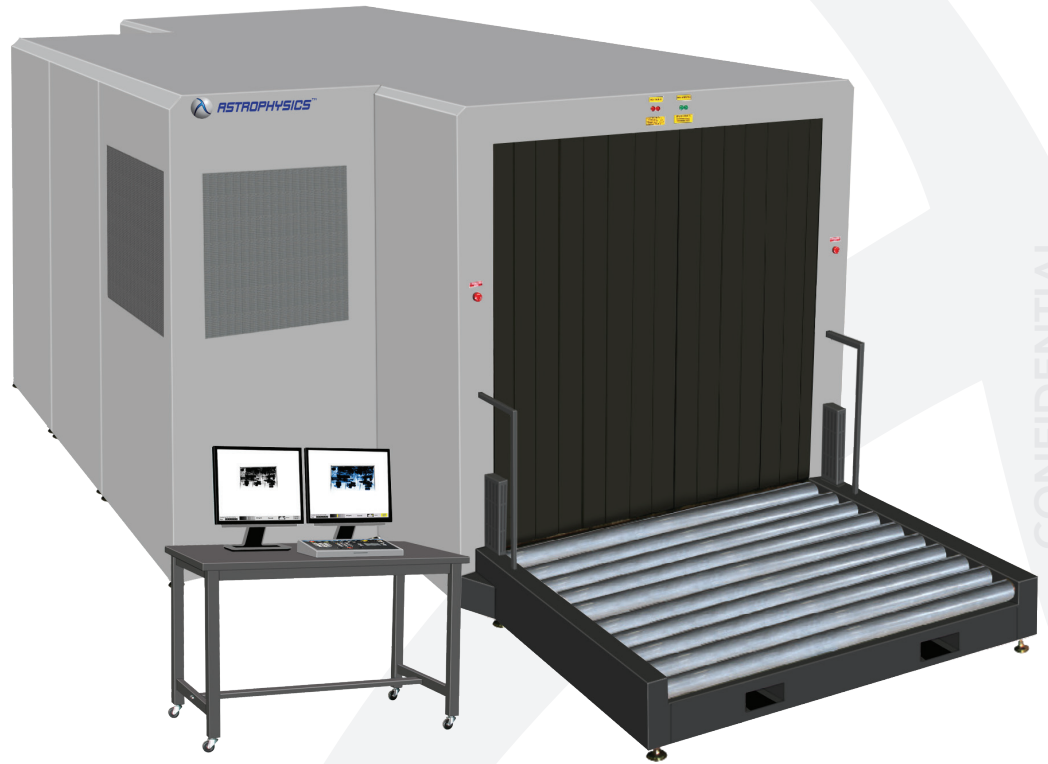


320kV XIS-1818™



CONFIDENTIAL

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™ 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.

GENERAL SPECIFICATIONS

Tunnel Size:	181.1 cm x 180.7 cm (WxH) 71.3" x 71.1"
Dimensions: ² (LxWxH)	949.4 cm x 310.5 cm x 240.0 cm 373.8" x 122.2" x 94.5"
Net Weight: ²	12000 kg (26400 lbs)
Shipping Weight: ²	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: ¹	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 FEATURES³

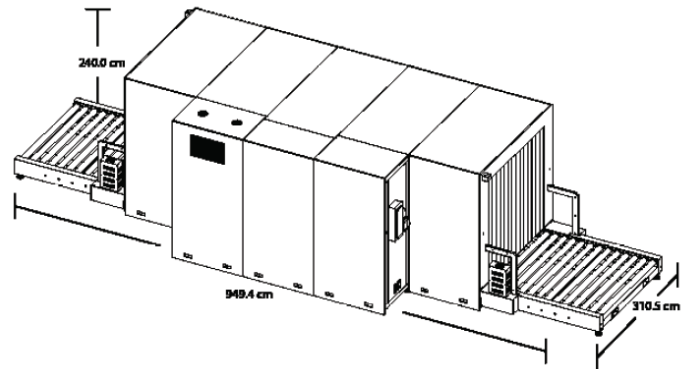
Barcode Scanning
 Density Alert
 Local Language
 Safe Passage®
 Computer Based Training
 Screener Assist Software
 Test Case
 Threat Image Protection (TIP) Software

Custom Paint
 Entry/Exit Roller Tables
 Environmental Kit

Footmat Operator Interlock

Mobility Kit
 Radiation Meter

CONFIDENTIAL



ISO 9001: Certified

¹As tested on Astrophysics Inc. Test Piece.

²Weight and dimensions of the system may vary depending on customization.

³Optional 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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