



# XIS-1517™



## PRODUCT HIGHLIGHTS

Heavy-Duty Roller Bed

High Image Resolution with 24-Bit Color

Enhanced Material Discrimination

Windows Operating System with Intel® Core™ Processor

Real-Time Diagnostics

Picture Perfect Image Analysis

The XIS-1517™ is a high-capacity X-Ray Inspection System (XIS) designed for screening heavy cargo. The wide tunnel is capable of processing all ISO standard pallets. To ensure higher throughput, the heavy roller bed is only 38.3 cm (15") above the floor, convenient for loading and unloading freight.

With a generator capable of penetrating dense and cluttered cargo, it provides high-quality imaging with great resolution for accurate inspections. Featuring the full suite of Astrophysics inspection software, the XIS-1517 offers better image clarity and allows operators to identify materials and isolate weapons, explosives, and contraband with greater speed.

Developed to combat smuggling and counter threats to aviation, transportation, and shipping, the XIS-1517 is the ideal solution for large-scale cargo centers in search of high-level protection and greater productivity.

The Astrophysics XIS-1517 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™**

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## GENERAL SPECIFICATIONS

Tunnel Size:	150.0 cm x 170.2 cm (WxH)
Dimensions: <sup>1</sup> (LxWxH)	731.2 cm x 259.1 cm x 225.1 cm 287.9" x 102.0" x 88.7"
Net Weight: <sup>1</sup>	3500 kg (7716 lbs)
Shipping Weight: <sup>1</sup>	4500 kg (10031 lbs)
Conveyor Speed:	10 cm/s (20 ft or 6m/min) Forward or Reverse
Conveyor Height:	38.3 cm (15.0") from Floor
Conveyor Capacity:	2000 kg (4409 lbs) Evenly Distributed Load

## TECHNICAL

Wire Resolution:	40 AWG Typical, 38 AWG Standard
Steel Penetration: <sup>2</sup>	39 mm Typical, 37 mm Standard

## X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	180kV, Operating at 165kV
Tube Current:	1.2 mA
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Horizontally Sideward
Detector:	2176 Channels in an L-Shaped Array

## 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 to 40°C / 32°F to 104°F
Storage Temperature:	-20°C to 60°C / -4°F to 140°F
Humidity:	Up to 95% Non-Condensing

## ELECTRICAL

System Power:	110VAC +/- 10% 50/60Hz, 15 Amp Max 220 VAC +/- 10% 50/60Hz, 10 Amp Max
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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 U.S. Federal Standards)



ISO 9001: Certified

<sup>1</sup>Weight and dimensions of the system may vary depending on customization.

<sup>2</sup>As tested on Astrophysics Inc. Test Piece.

<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.

## 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

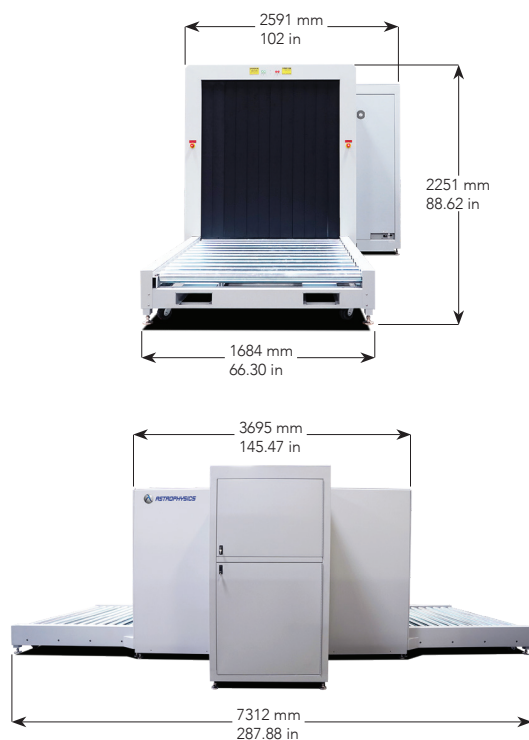
## OPTIONAL FEATURES<sup>3</sup>

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

Custom Paint  
Entry/Exit Roller Tables  
Environmental Kit

Conveyor Capacity 3000kg (6614lbs)  
Evenly Distributed Load  
Footmat Operator Interlock

Mobility Kit  
Radiation Meter  
Remote Workstation Configuration



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