

XIS-TRAILER™



PRODUCT HIGHLIGHTS

Mobile Screening with
Comfortable Working Environment

High Image Resolution with
24-Bit Color

Enhanced Material Discrimination

Windows Operating System with
Intel® Core™ Processor

Real-Time Diagnostics

High-Contrast Image Analysis

The XIS-Trailer™ is a mobile X-Ray Inspection System (XIS) designed for speed and flexibility. The wide tunnel makes it possible to screen a wide range of objects from small parcels to heavy baggage. A durable steel frame and aluminum walls allow it to operate effectively in difficult environments.

With dual generators, the XIS-Trailer provides operators with a sideward and downward view of scanned objects. Views can be manipulated independently in real-time using Astrophysics state-of-the-art imaging tools. Colorful, high-contrast filters allow operators to make quick and informed decisions, for better accuracy and throughput.

For comfort and convenience, the XIS-Trailer features an air-conditioned cabin and exterior lighting that enables personnel to operate in low light and high temperatures. Able to be set up and redeployed quickly, the XIS-Trailer provides efficient and mobile security in outdoor and indoor locations.

The Astrophysics XIS-Trailer 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:	101.6 cm x 101.6 cm
(WxH)	40.0" x 40.0"
Dimensions: ¹	623.8 cm x 228.6 cm x 352.2 cm
(LxWxH)	246.0" x 90.0" x 138.6"
Net Weight: ¹	3900 kg (8600 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Capacity:	200 kg (441 lbs) Evenly Distributed Load
Model:	Custom Trailer Climate Controlled Operator Cabin

TECHNICAL

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

X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	Dual 180kV, Operating at 165kV
Tube Current:	Dual 1.0 mA
Cooling:	Sealed Di-Electric bath with Forced Air
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Diagonally Downward, Horizontally Sideward

COMPUTER & VIDEO

Platform:	Windows® OS
Backup:	Uninterruptible Power Supply (UPS) (Computer Operation)
Memory:	4 GB RAM
Storage:	1 TB HDD, 240 GB SSD
Display Type:	Dual 24" Flat Panel Color Monitor
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, 20 Amp Max
	220 VAC +/- 10% 50/60Hz, 15 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
Enhanced Imaging Mode (EI)
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

Barcode Scanning
Density Alert
Local Language
Safe Passage®
Computer Based Training
Screener Assist Software
Threat Image Projection (TIP) Software
Custom Paint
Environmental Kit
Intercom System
Radiation Meter
Test Case



ISO 9001: Certified

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 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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