



# XIS-TRUCK™



## PRODUCT HIGHLIGHTS

Air-Conditioned Cabin

180kV Generator

High Image Resolution with  
24-Bit Color

Enhanced Material Discrimination

High-Contrast Image Analysis

The XIS-Truck™ is a heavy-duty X-Ray Inspection System (XIS) designed for high-security screening of large and small objects. Built into a Ford-450 Super Duty Truck, it is capable of maneuvering through difficult terrain to establish checkpoints in areas unsuited to conventional security systems. For efficiency and convenience, the XIS-Truck features an extended conveyor belt and a built-in monitor stand. A retractable awning protects operators from the sun.

The XIS-Truck generates crisp, high-quality images. With Astrophysics' best-in-class software, operators are able to analyze objects in detail with multi-palette, high-contrast filters that allow them to easily distinguish between threatening and non-threatening items.

With rugged construction and superior imaging, the XIS-Truck ensures greater accuracy and throughput, making it the ideal security solution for mobile security operations in urban and rural environments.

The Astrophysics XIS-Truck 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 81.4 cm
(WxH)	40.0" x 32.0"
Dimensions:	257.4 cm x 137.2 cm x 170.6 cm
(LxWxH)	101.3" x 54.0" x 68.0"
Vehicle Dimensions:	670.56 cm x 202.0 cm x 281.94 cm
(LxWxH)	264" x 79.52" x 111"
Net Weight: <sup>1</sup>	900 kg (1980 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Capacity:	200 kg (441 lbs) Evenly Distributed Load
Model:	Custom Ford F-450, 6.2 L V8 Engine Climate Controlled Operator Cabin

## TECHNICAL

Wire Resolution:	40 AWG Typical, 38 AWG Standard
Steel Penetration: <sup>2</sup>	37 mm Typical, 35 mm Standard

## X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	180kV, Operating at 165kV
Tube Current:	1.2 mA
Cooling:	Sealed Di-Electric bath with Forced Air
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Vertically Downward

## 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, 15 Amp Max 220 VAC +/- 10% 50/60Hz, 10 Amp Max
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## HEALTH & SAFETY

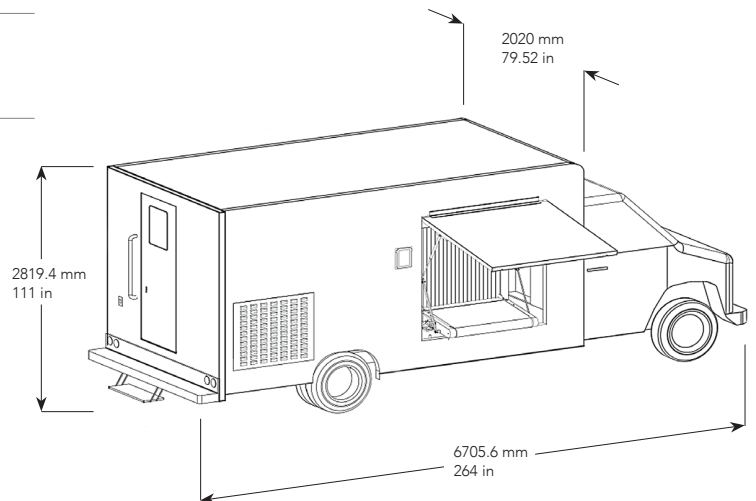
Compliant with USFDA Center for Devices and Radiation Health Standards for Cabinet X-Ray Systems (21-CFR 1020.40)  
Typical radiation leakage is less than 0.1 mR/hr  
(Leakage less than 0.5 mR/hr permitted by U.S. Federal Standards)

## 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  
Threat Image Projection  
(TIP) Software  
4-Wheel Drive  
Custom Paint  
Entry/Exit Roller Tables  
Environmental Kit  
Intercom System  
Radiation Meter  
Test Case



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.

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