



ASTROPHYSICS™

TOMORROW'S TECHNOLOGY FOR TODAY'S SECURITY



Al-TamKenCo.



*Sample image for reference only. Actual vehicle may vary based on order requirements.

XIS-Truck

Heavy Duty Vehicle Mobile Screening Solution



TRANSPORTATION

Airport entrances and perimeters,
air cargo, and checkpoint technology.



PORTS & BORDERS

Border control, sea ports, and
other large cargo sectors.



CRITICAL INFRASTRUCTURE

Access control for prisons, courthouses,
mailrooms, hotel entrances and
military bases.

With a tunnel opening of 101.6 cm x 81.4 cm (400" x 320"), the XIS-Truck can screen diverse parcels, baggage and cargo for explosives and contraband. The XIS-Truck is designed for outside events, border checkpoints, and various mobile screening needs.

The X-ray system is custom built into a Ford F-450 Super Duty Truck® complete with cabin air conditioning, a 6.2L V8 engine and the Ford Personal Safety System™.

The XIS-Truck features a high performance vehicle, a state-of-the-art XIS system, extended conveyor belt, and custom retractable awnings and built-in Monitor Stand for fast and convenient screening.

All Astrophysics X-ray Inspection Systems are equipped with Real-Time Diagnostics, a unique Astrophysics feature which allows users to monitor system health. This software was specifically engineered to save you valuable time and money. If requested, Astrophysics would also be able to connect to your system and troubleshoot any issues remotely.

An exclusive Astrophysics option is our 6 Color Imaging, which enables operators to view screened objects in 6 colors, each color correlating to a specific range of Atomic Z-Numbers. 6 Color Imaging enables operators to achieve optimal material identification which improves throughputs.

Astrophysics is committed to providing quality products and services nationwide. We listen to our customers and offer customizations and order flexibility based on their needs.

Backed by a team of engineers from our City of Industry, California center of excellence headquarters, Astrophysics designs cutting-edge X-ray screening technology for detecting weapons and contraband for transportation, ports, borders, critical infrastructure and other industries that present security risks.

Astrophysics is headquartered in the United States and maintains a global presence with service delivery worldwide. Astrophysics is committed to global safety and is proud to present this new age of screening security—driving the industry into the technology of tomorrow.





GENERAL SPECIFICATIONS

- Tunnel Size: 101.6 cm x 81.4 cm
(W x H) 40.0" x 32.0"
- Dimensions²: 257.4 cm x 137.2 cm x 170.6 cm
(L x W x H) 101.3" x 54.0" x 68.0"
- Vehicle Dimensions²: *noted on drawing shown right
- Weight²: 900 kg (1980 lbs)
- Conveyor Speed: 23 cm/s (45 ft/min) Forward or Reverse
- Conveyor Capacity: 200 kg (440 lbs) Evenly Distributed Load
- Model: Custom Ford F-450, 6.2 L V8 Engine
Climate Controlled Operator Cabin
Power Steering, Hydraulic Disc Breaks

TECHNICAL

- Sensitivity: 40 AWG Typical, 38 AWG Standard
- Spatial Resolution: 1.6 mm Horizontal, 1.6 mm Vertical
- Steel Penetration: 37 mm Typical, 35 mm Standard
- Contrast Sensitivity: 24 Visible Levels, 4096 Gray Level
- Film Safety: Guaranteed up to ISO 1600 (33DIN)

X-RAY GENERATOR

- Voltage: 180kV, Operating at 165kV
- Tube Current: 1.2 mA
- Cooling: Sealed Di-Electric Oil Bath with Forced Air
- Duty Cycle: 100%, No Warm-Up Procedure Required
- Beam Direction: Vertically Downward
- Detector: 2176 Channels in an L-Shaped Array

COMPUTER

- Processor: Intel® Core i5
- Memory: 4 GB RAM
- Storage: 500 GB HDD, 120 GB SSD
- Video Card: 1 GB Video Card
- Platform: Windows® OS
- Backup: Uninterrupted Power Supply
(Computer Operation- 20 min)

VIDEO

- Display Type: Dual 24" LCD Color Monitor
- Display Resolution: 1600 x 1200; 24 bit/pixel Color

ENVIRONMENTAL

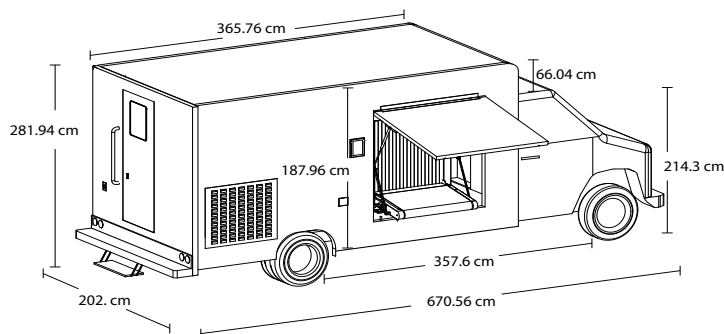
- Operating Temperature: 0°C - 40°C \ 32°F - 104°F
- Storage Temperature: -20°C - 60°C \ -4°F - 140°F
- Humidity: Up to 95% Non-Condensing

ELECTRICAL

- Power Requirements (XIS): 110VAC±10%, 50/60Hz, 15 Amp Max
220VAC±10%, 50/60Hz, 10 Amp Max

HEALTH AND 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
- 9 Quadrant Zoom
- Atomic Z-Number Measurement
- Auto Image Archiving (150,000)
- Baggage Counter
- Color and Black/ White Imaging
- Continuous Scanning
- Continuous Zoom up to 64x
- Vertical Zoom Panning
- Geometric Image Distortion Correction
- High Penetration Function
- Heavy Duty Roller Casters
- Image Annotation
- Image Review

- JPEG Conversion
- Material Discrimination
- Multi-Tier Accessibility
- Network Ready
- Organic/ Inorganic Imaging
- Operator Chair
- Operator Training Program (OTP)
- Picture Perfect
- Print Image Capable
- Pseudo Color
- Real-Time Image Manipulation
- Real-Time Self Diagnostics
- Reverse Monochrome
- Save Image (RGB)

OPTIONAL FEATURES³

- 4 Wheel Drive
- Custom Paint
- Density Alert
- Entry / Exit Roller Tables
- Intercom System
- Image Analysis Program (IAP)
- Image Analysis Program (IAP) - Lite
- Local Language Support
- Polar Kit
- Radiation Meter
- Screener Assist Software
- Test Case
- Threat Image Projection (TIP) Software
- Tropical Kit
- Wireless Barcode Scanning



¹ As tested on Astrophysics Inc. Test Piece.

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

³ Optional features may affect lead time price, and weight of XIS-Truck. 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.