



## **NEXT GENERATION 3D TECHNOLOGY**

The VI3D™ is a new class of x-ray scanner. Our exclusive 3D MotionView™ software combines 3 angled views into a "rocking" image that reduces blind spots and enhances threat detection. The VI3D™ generates images with greater clarity, depth, and detail to enable operators to carry out quick, accurate inspections. With these 3 distinct viewpoints and a single generator, the VI3D™ is the only checkpoint system that delivers 3D imaging technology.

Proudly manufactured in the United States to the highest quality standards, the VI3D™ features a compact footprint ideal for diverse checkpoint deployment. With a Touchscreen Monitor, Adjustable Mobile Stand and chrome accents, the VI3D™ is a sleek security solution for premier high security sites. The Astrophysics VI3D™ delivers the ultimate in imaging detection technology, making it the clear choice for next-generation security screening.

### **PRODUCT HIGHLIGHTS**

3D MotionView™ Software 3 Distinct Views

Reduces Blind Spots Touchscreen Monitor

Adjustable Mobile Stand Compact Footprint

VI3D<sup>m</sup>



#### **GENERAL SPECIFICATIONS**

Tunnel Size: 60.0 cm x 42.0 cm 23.6" x 16.5" (WxH)

187.2 cm x 83.3 cm x 140.2 cm System Dimensions:1

(LxWxH) 73.7" x 32.8" x 55.2"

Shipping Dimensions:1 214.6 cm x 99.1 cm x 203.2 cm

(LxWxH) 84.5" x 39.0" x 80.0" Net Weight:1 796 kg (1754 lbs)

Shipping Weight:1 900 kg (1984 lbs)

23 cm/s (45 ft/min) Forward or Reverse Conveyor Speed:

Conveyor Height: 73 cm (28.8") from Floor

Conveyor Capacity: 165 kg (364 lbs) Evenly Distributed Load

#### **TECHNICAL**

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

#### X-RAY GENERATOR & IMAGE PERFORMANCE

180kV, Operating at 170kV Voltage:

Tube Current: 1.2 mA

Cooling: Sealed Di-Electric bath with Forced Air Duty Cycle: 100%, No Warm-Up Procedure Required

Beam Direction: Diagonally Upward

#### **COMPUTER & VIDEO**

Platform: Windows® OS Memory: 16 GB RAM

Storage Capacity: 1TB HDD, 512 GB SSD

Power Conditioner: Automatic Voltage Regulator (AVR), 600VA

Display Type: Touchscreen Monitor

Display Resolution: 1920 x 1080: 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: 110 VAC +/- 10% 50/60Hz, 15 Amp Max

220 VAC +/- 10% 50/60Hz, 10 Amp Max

#### **HEALTH & SAFETY**

Film Safetv: Guaranteed up to ISO 1600 (33) DIN)

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

3D MotionView<sup>™</sup> Software Adjustable Mobile Stand Black/White Imaging Color Imaging

Enhanced Imaging™

Geometric Image Distortion Correction

High Penetration Function Organic/Inorganic Imaging

Pseudo Color

Real-Time Image Manipulation

Reverse Monochrome

Atomic Z-Number Measurement Material Discrimination

Continuous Zoom Up to 64x

9 Quadrant Zoom Continuous Scanning

Vertical Zoom Panning

Auto Image Archiving

Image Review

Save Image (RGB)

# OPTIONAL FEATURES<sup>3</sup>

Barcode Scanning Local Language

Test Case

Baggage Counter

External USB Ports

Network Ready

Multi-Tier Accessibility

Real-Time Self Diagnostic

Custom Paint

Environmental Kit

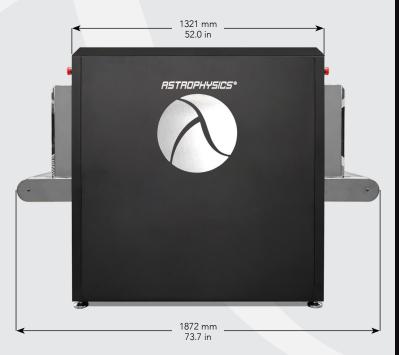
Radiation Meter

Remote Workstation Configuration

Uninterruptible Power Supply (UPS)

Conveyor Capacity Load Increase









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### ISO 9001 & ISO 14001: 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. Contact sales@astrophysicsinc.com for the most updated brochures.

