



VI3D™

The VI3D™ is a multi-view x-ray inspection system that reduces blind spots and generates images with greater clarity, depth, and detail. A single scan produces three separate views from three distinct angles, for superior visibility. Combined with Astrophysics multi-color material discrimination and advanced 3D MotionView™ Software, the VI3D allows operators to carry out quick, accurate inspections.

With its chrome accents, the VI3D has a refined aesthetic well-suited to professional environments. Its small footprint allows it to fit through standard doorways for easy installation. The Astrophysics VI3D is designed and assembled in the United States to the highest quality standards. For nearly twenty years, our passion for R&D has led us to develop the industry's best-in-class imaging. We deliver the ultimate in imaging detection to identify threats and safeguard communities.



PRODUCT HIGHLIGHTS

3D MotionView™ Software

Multi-View Imaging

Touchscreen Monitor

Enhanced Imaging™ (EI)

Compact Footprint

Adjustable Mobile Stand

T O M O R R O W ' S T E C H N O L O G Y F O R T O D A Y ' S S E C U R I T Y™

GENERAL SPECIFICATIONS

Tunnel Size:	60.0 cm x 42.0 cm
(WxH)	23.6" x 16.5"
Dimensions: ¹	187.2 cm x 83.3 cm x 140.2 cm
(LxWxH)	73.7" x 32.8" x 55.2"
Net Weight: ¹	796 kg (1754 lbs)
Shipping Weight: ¹	900 kg (1984 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Height:	73 cm (28.8") from Floor
Conveyor Capacity:	165 kg (364 lbs) Evenly Distributed Load

TECHNICAL

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

X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	180kV, Operating at 170kV
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:	23" Touchscreen Interface
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 Safety:	Guaranteed up to ISO 1600 (33) DIN)
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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™ Software	Atomic Z-Number Measurement	Multi-Tier Accessibility
Color Imaging	Material Discrimination	Network Ready
Black/White Imaging	9 Quadrant Zoom	Real-Time Self Diagnostics
Organic/Inorganic Imaging	Continuous Scanning	Baggage Counter
Pseudo Color	Continuous Zoom Up to 64x	External USB Ports
Geometric Image	Vertical Zoom Panning	
Distortion Correction	Auto Image Archiving	
High Penetration Function	Image Review	
Real-Time Image Manipulation	Save Image (RGB)	
Reverse Monochrome		

OPTIONAL FEATURES³

Barcode Scanning
Enhanced Imaging Mode
Local Language
Test Case
Custom Paint
Environmental Kit
Radiation Meter
Remote Workstation Configuration
Uninterruptible Power Supply (UPS)
External USB Ports
USB Ports
Conveyor Capacity
Load Increase
Variable Conveyor Speed



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