

XIS-1818™ 200kV

PRODUCT HIGHLIGHTS

200kV Generator

Windows® Operating System with Intel®
Core™ Processor

Enhanced Imaging™

Real-Time Diagnostics

Field Proven Reliability



PRODUCT DESCRIPTION

The XIS-1818 200kV™ is a high-capacity X-Ray Inspection System (XIS) designed for screening heavy cargo at airports, seaports, and transportation facilities. It features a heavy duty roller bed and a low conveyor 38 cm (15") from the ground, convenient for loading and unloading freight. The system's short tunnel and continuous roller operation enables high throughput, without sacrificing image quality due to Astrophysics best-in-class software design.

ABOUT ASTROPHYSICS

Since 2002, Astrophysics has led the industry in research and development, creating integrated solutions to advance the critical security missions of our customers and partners. Headquartered outside of Los Angeles, CA in the USA, Astrophysics has over 40,000 systems deployed in more than 150 countries, safeguarding critical infrastructure, aviation, and ports and border sites worldwide.

XIS-1818™ 200kV

GENERAL SPECIFICATIONS

Tunnel Size:	180.7 cm x 180.4 cm (WxH) 71.1" x 71.0"
Dimensions: ¹ (LxWxH)	731.2 cm x 289.6 cm x 235.3 cm 287.9" x 114.0" x 92.6"
Net Weight: ¹	4037 kg (8900 lbs)
Shipping Weight: ¹	4806 kg (10595.4 lbs)
Conveyor Speed:	10 cm/s (20 ft or 6m/min) Forward or Reverse
Conveyor Height:	38.6 cm (15.2") from Floor
Conveyor Capacity:	3000 kg (6614 lbs) Evenly Distributed Load

X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	200kV
Tube Current:	1.0 mA
Wire Resolution: ²	40 AWG Typical, 38 AWG Standard
Steel Penetration: ²	52 mm Typical, 50 mm Standard
Cooling:	Sealed Di-Electric Oil Bath with Forced Air
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Horizontally Sideward

COMPUTER & VIDEO

Platform:	Windows® 10 OS
Display Type:	Dual 24" Flat Panel Monitors
Memory:	8 GB RAM
Storage Capacity:	256 GB SSD
Display Resolution:	1920 x 1200

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

System Power:	110VAC +/- 10%, 50/60Hz, 20 Amp Max 220VAC +/- 10%, 50/60Hz, 15 Amp Max
Power Conditioner:	Uninterruptible Power Supply (UPS) (Computer Operation)

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)

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 development, Astrophysics Inc. reserves the right to amend all technical specifications without prior notice.
Contact sales@astrophysicsinc.com for the most updated brochures.

FEATURES

STANDARD

3 & 6 Color Imaging
Black & White Imaging
Enhanced Imaging™ Mode
High Penetration Function
Organic/Inorganic Imaging
Pseudo Color
Reverse Monochrome

Auto Image Archiving
Image Review
Save Image (RGB)

Atomic Z-Number Measurement
Geometric Image Distortion Correction
Material Discrimination
Real-Time Image Manipulation

Baggage Counter

Image Annotation
JPEG Conversion
Print Image Capable

Multi-Tier Accessibility
Network Ready
Real-Time Self Diagnostics

9 Quadrant Zoom
Continuous Scanning
Continuous Zoom Up to 64x

OPTIONAL

Barcode Scanning
Density Alert
Local Language
Safe Passage® Computer Based Training
Screener Assist Software
Test Case
Threat Image Projection (TIP) Software

Conveyor Capacity Load Increase
External USB Ports
Variable Conveyor Speed

Custom Paint
Entry/Exit Roller Tables
Environmental Kit

Footmat Operator Interlock
Long Conveyor

Radiation Meter
Remote Workstation Configuration



CARGO



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