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# XIS-1818<sup>™</sup>8

## **PRODUCT HIGHLIGHTS**

200kV Generator

Windows® Operating System with Intel® Core™ Processor

Enhanced Imaging™

Real-Time Diagnostics

Field Proven Reliability









## PRODUCT DESCRIPTION

## **ABOUT ASTROPHYSICS**

The XIS-1818 200kV<sup>TM</sup> 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.

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<sup>™</sup>§

#### **GENERAL SPECIFICATIONS**

Tunnel Size: 180.7 cm x 180.4 cm

(WxH) 71.1" × 71.0"

Dimensions:1 731.2 cm x 289.6 cm x 235.3 cm

(LxWxH) 287.9" x 114.0" x 92.6" 4037 kg (8900 lbs) Net Weight:1 Shipping Weight:1 4806 kg (10595.4 lbs) 10 cm/s (20 ft or 6m/min) Conveyor Speed:

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

200kV Voltage: Tube Current: 10 mA

40 AWG Typical, 38 AWG Standard Wire Resolution:2 Steel Penetration:<sup>2</sup> 52 mm Typical, 50 mm Standard

Coolina Sealed Di-Electric Oil Bath with Forced Air Duty Cycle: 100%, No Warm-Up Procedure Required

Beam Direction: Horizontally Sideward

#### **COMPUTER & VIDEO**

Windows® 10 OS Platform:

Dual 24" Flat Panel Monitors Display Type:

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)

### **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

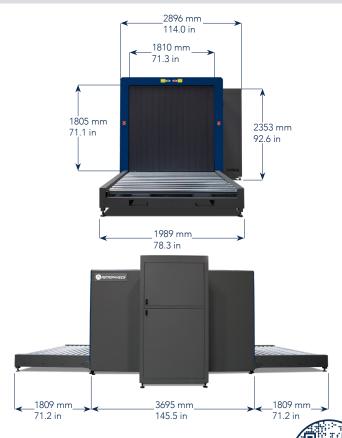
Threat Image Projection (TIP) Software

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



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

