XIS-100X™

PRODUCT HIGHLIGHTS

- Windows® Operating System with Intel® Core™ Processor
- Large Tunnel Size Fits Nearly All Luggage
- Artificial Intelligence (AI)
- Enhanced Imaging™
- Real-Time Diagnostics

TC CERTIFIED · AENA COMPLIANT · ENAC CERTIFIED · DESIGNED IN THE USA MADE IN NORTH AMERICA

PRODUCT DESCRIPTION

The XIS-100X™ is a powerful X-Ray Inspection System (XIS) designed for screening oversized luggage, large parcels, and small cargo at airports, customs facilities, and high-security checkpoints. To optimize performance, it is equipped with a 180kV generator to provide strong penetration and high-resolution images that enable detailed inspections of complex bags and tightly-packed crates.

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 35,000 systems deployed in more than 150 countries, safeguarding critical infrastructure, aviation, and ports and border sites worldwide.

XIS-100X™

HOLD BAGGAGE

GENERAL SPECIFICATIONS

Tunnel Size: (WxH)	100.3 cm x 100.0 cm 39.5" x 39.4"
Dimensions:[1] (LxWxH)	280.3 cm x 137.2 cm x 188.9 cm 110.4" x 54.0" x 74.4"
Shipping Dimensions:[1] (LxWxH)	297.2 cm x 149.9 cm x 223.5 cm 117.0" x 59.0" x 88.0"
Net Weight:[1]	857 kg (1890 lbs)
Shipping Weight:[1]	1009 kg (2225 lbs)
Conveyor Speed:	23 cm/s (45 ft/min) Forward or Reverse
Conveyor Height:	70.6 cm (27.8") from Floor
Conveyor Capacity:	220 kg (485 lbs) Evenly Distributed Load

X-RAY GENERATOR & IMAGE PERFORMANCE

Voltage:	180kV, Operating at 165kV
Tube Current:	1.2 mA
Wire Resolution:	40 AWG Typical, 38 AWG Standard
Steel Penetration:[2]	39 mm Typical, 37 mm Standard
Cooling:	Sealed Di-Electric Oil Bath with Forced Air
Duty Cycle:	100%, No Warm-Up Procedure Required
Beam Direction:	Diagonally Upward

COMPUTER & VIDEO

Platform:	Windows® 10 OS
Display Type:	Dual 21.5" Flat Panel Monitors
Display Resolution:	1920 x 1080
Memory:	8 GB RAM
Storage Capacity:	256 GB SSD

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:	110VAC +/- 10% 50/60Hz, 15 Amp Max 220 VAC +/- 10% 50/60Hz, 10 Amp Max
Power Conditioner:	Automatic Voltage Regulator (AVR), 600VA

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™
High Penetration Function
Organic/Inorganic Imaging
Pseudo Color
Reverse Monochrome

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

Auto Image Archiving
Image Review
Save Image (RGB)

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
Vertical Zoom Panning

OPTIONAL

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

Central Management System Integration
Multiplexing

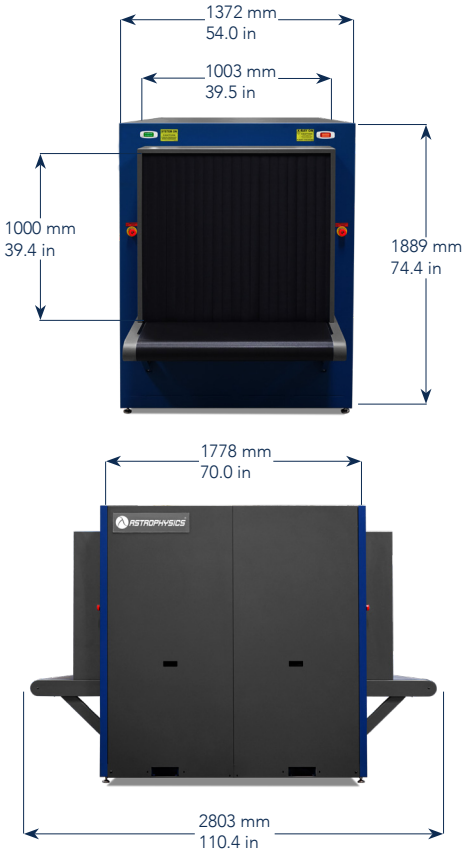
External USB Ports
Conveyor Capacity Load Increase
Variable Conveyor Speed

Footmat Operator Interlock
Roller Bed

Internal/External UPS
Radiation Meter
Remote Workstation Configuration

Dual 24" Flat Panel Monitors
Custom Paint
Entry/Exit Roller Tables
Environmental Kit

8 Color Imaging



ISO 9001 & ISO 14001 CERTIFIED

[1]Weight and dimensions of the system may vary depending on customization.
[2]As tested on Astrophysics Inc. Test Piece.
[3]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.

DCO# 3173 P/N 50-00-PB10-00 Rev. N

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