

# XIS-6545™



## PRODUCT HIGHLIGHTS

Artificial Intelligence (AI)

8-Color Imaging

Enhanced Imaging™

Optimum Tunnel Size for  
Efficient Bag Scanning

Proven Field Reliability



## PRODUCT DESCRIPTION

The XIS-6545™ is a field proven X-Ray Inspection System (XIS) designed with a wide tunnel to accommodate a larger variety of screened objects while minimizing floor space. Ideal for high-volume screening sites, the XIS-6545™ provides high-resolution images enabling operators to identify materials and isolate threats with speed and accuracy. The #1 global manufacturer of critical infrastructure products, Astrophysics is the clear choice.

## 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-6545™

## GENERAL SPECIFICATIONS

|  |  |
|--|--|
| Tunnel Size:<br>(WxH)                        | 65.0 cm x 45.1 cm<br>25.6" x 17.8"                     |
| Dimensions: <sup>1</sup><br>(LxWxH)          | 153.4 cm x 87.7 cm x 130.5 cm<br>60.4" x 34.5" x 51.4" |
| Shipping Dimensions: <sup>1</sup><br>(LxWxH) | 165.1 cm x 96.5 cm x 160.0 cm<br>65.0" x 38.0" x 63.0" |
| Net Weight: <sup>1</sup>                     | 476 kg (1050 lbs)                                      |
| Shipping Weight: <sup>1</sup>                | 522 kg (1150 lbs)                                      |
| Conveyor Speed:                              | 23 cm/s (45 ft/min) Forward or Reverse                 |
| Conveyor Height:                             | 71.9 cm (28.3") from Floor                             |
| Conveyor Capacity:                           | 165 kg (364 lbs) Evenly Distributed Load               |

## X-RAY GENERATOR & IMAGE PERFORMANCE

|                                 |   |
|---------------------------------|---|
| Voltage:                        | 160kV, Operating at 150kV                   |
| Tube Current:                   | 0.7 mA                                      |
| Wire Resolution:                | 40 AWG Typical, 38 AWG Standard             |
| Steel Penetration: <sup>2</sup> | 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           |
| Memory:             | 8 GB RAM                 |
| Storage Capacity:   | 256 GB SSD               |
| Display Type:       | 21.5" Flat Panel Monitor |
| Display Resolution: | 1920 x 1080              |

## 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<br>220VAC +/- 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)

## 180KV GENERATOR UPGRADE

Penetration:<sup>2</sup> 41 mm Steel Typical, 39 mm Standard

## 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](mailto:sales@astrophysicsinc.com) for the most updated brochures.

## 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
- 24" Flat Panel Monitor
- Custom Paint
- Environmental Kit
- Entry/Exit Roller Tables
- Footmat Operator Interlock
- Internal/External UPS
- Mobility Kit
- Roller Bed
- Radiation Meter
- Remote Workstation Configuration
- Sloped Conveyor
- Conveyor Capacity Load Increase
- External USB Ports
- Variable Conveyor Speed
- Long Conveyor
- 8-Color Imaging

## XIS-6545N™

|                                  |                                       |
|----------------------------------|---------------------------------------|
| Dimensions <sup>1</sup>          | 153.4 cm x 83.7 cm x 130.5 cm (LxWxH) |
| Shipping Dimensions <sup>1</sup> | 165.1 cm x 96.5 cm x 160.0 cm (LxWxH) |
| Net Weight <sup>1</sup>          | 476 kg (1050 lbs)                     |



CHECKPOINT

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