



The XIS-6545 X-ray System is the ideal solution for screening small parcels for airports, government offices, and other business applications. The tunnel size of 650 mm (25.6 in) wide by 450 mm (17.7 in) high is optimized for rapid inspection of small articles, allowing the XIS to inspect them with state-of-the-art imaging.

PC-Based System

The XIS-6545 X-ray System is a PC-based system, which runs on Windows 2000 SP4 or Windows XP Professional. The XIS combines the latest software and hardware technologies to provide superior image clarity, resolution and processing power.

Networking

The XIS-6545 X-ray System is designed to network with other inspection systems using high-speed ethernet TCP/IP data communication. Images from any XIS model can be sent through the network to a central server where they can be viewed, stored, and printed.



Imaging Characteristics

- Color and Black and White Imaging
- Organic & Inorganic Imaging
- Pseudocolor and Reverse Monochrome
- Automatic Edge-Enhancement Imaging
- Automatic Image Archiving/Retrieval (25,000 images)
- Image Review - Last 50 Images
- Automatic Z-number Measurement
- Density Alert
- Geometric Image Distortion Correction
- User-Selectable Zoom-In 2X to 32X
- Programmable Penetration Levels
- Variable Contrast Level Control
- Operator Training Program (OTP)
- Picture Perfect
- Dual 17 in. LCD Flat Panel Color Monitor

X-Ray Generator

Voltage	160kV
Tube Current	0.7mA
Cooling	Sealed Oil Bath
Duty Cycle	100%A
Beam Direction	Vertically Upward

X-Ray Detector

1280 Channels in an 'L' Shaped Array

Environmental Conditions

Operating Temperature	0 to 40 deg C
Storage Temperature	-20 to 60 deg C
Humidity	up to 95% non-condensing

Health & Safety

Complies with all published international standards including the U.S.F.D.A., Center for Devices and Radiation Health standards for cabinet X-Ray systems (Federal Standard 21-CFR 1020.40). Typical leakage radiation is less than 0.1mR/hr, compared with maximum leakage at 0.5mR/hr permitted by the Federal Standard. Film safety guaranteed for high speed films up to ISO 1600.

Operational Standards

Complies with all published international standards including the U.S. Federal Aviation Administration Standards "Use of X-Ray Systems" (Federal Standards 14 CFR 108.17 and 14 CFR 129.26).

ISO 9001: 2000

Astrophysics Inc is an ISO 9001:2000 certified organization.

Design Policy

Astrophysics Inc. pursues continuous product development and improvement. Astrophysics Inc. reserves the right to make changes in specifications without notice.

Technical Specifications

Sensitivity	42 AWG
Spatial Resolution	1 mm both Horizontal and Vertical
Penetration	30 mm Steel
Contrast Sensitivity	24 Visible Levels, 4096 Gray Level
Dose per inspection	0.1mR
Power Requirements	110 ~ 120 VAC, 15 Amps Max.
	220 ~ 240 VAC, 10 Amps Max.

Physical Specifications

Net Weight	Approx. 600 Kgs
Gross Weight	Approx. 812 Kgs
Tunnel Opening	650 mm (25.6 in) x 450 mm (17.7 in)
Conveyor Speed	13.7 m/min.
Conveyor Height	730 mm (28.8 in)
Conveyor Capacity	145 Kg Distributed Load
Dimensions	2540mm x 876.3 mm x 1308.1 mm

Computer Specifications

At a minimum: Intel Pentium 4™, 2.8GHz Dual Core, 512MB RAM, 80GB HDD, 256MB VGA Dual DVI, UPS to support PC and electronics.

Video Display

Dual 17 in. high resolution, low radiation, ergonomic, flicker free LCD flat panel color monitors.

Optional Accessories and Features

- **Entry/Exit Rollers (0.5, 1.0m or 1.5m long)**
- **Exit Table (1.0m long)**
- **Threat Image Projection (TIP) Software**
- **Screener Assist Threat Detection**
- **Screener Training Program**
- **Advance Image Archiving (100,000 images)**
- **Remote Operator Workstation**
- **Network Supervisor Station**
- **180 kv X-ray Generator**

