The XIS-6545 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 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 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)
- Dual 17 in. LCD Flat Panel Color Monitor
Technical Specifications

**X-Ray Generator**

- **Voltage**: 160KV
- **Tube Current**: 0.7mA
- **Cooling**: Sealed Oil Bath
- **Duty Cycle**: 100%
- **Beam Direction**: Vertically Upward

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitivity</td>
<td>42 AWG</td>
</tr>
<tr>
<td>Spatial Resolution</td>
<td>1 mm both Horizontal and Vertical</td>
</tr>
<tr>
<td>Penetration</td>
<td>30 mm Steel</td>
</tr>
<tr>
<td>Contrast Sensitivity</td>
<td>24 Visible Levels, 4096 Gray Level</td>
</tr>
<tr>
<td>Dose per inspection</td>
<td>0.1mR</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>110 ~ 120 VAC, 15 Amps Max. 220 ~ 240 VAC, 10 Amps Max.</td>
</tr>
</tbody>
</table>

**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

**Physical Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Weight</td>
<td>Approx. 600 Kgs</td>
</tr>
<tr>
<td>Gross Weight</td>
<td>Approx. 760 Kgs</td>
</tr>
<tr>
<td>Tunnel Opening</td>
<td>650 mm (25.6 in) × 450 mm (17.7 in)</td>
</tr>
<tr>
<td>Conveyor Speed</td>
<td>13.7 m/min.</td>
</tr>
<tr>
<td>Conveyor Height</td>
<td>730 mm (28.8 in)</td>
</tr>
<tr>
<td>Conveyor Capacity</td>
<td>145 Kg Distributed Load</td>
</tr>
</tbody>
</table>

**Computer Specifications**

- At a minimum: Intel Pentium 4™, 3.0GHz HT, 512MB RAM, 40GB HDD, 128MB VBA, 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 & 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

**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.