



Correctional Security Detection Solutions



A guide to X-ray solutions for the Corrections Industry

Innovative Imaging Technology

We offer cost effective and reliable solutions for all of the major areas of prison security:

- Visitor Checkpoint Screening*
- Mailroom Screening*
- Internal Searches*
- Warehouse & Food Service Screening*

The X-ray Advantage

As every warden, superintendent, sheriff and police chief knows, in today's world of law enforcement, safety and security matter more than ever before. The smuggling of illicit items such as weapons, narcotics and cell phones continues to be a rampant problem in correctional facilities. Inmates often conceal items in their mattresses and can sometimes receive contraband through their quarterly packages, mail, incoming supplies and visitors coming into the facility. This is especially true when outdated security detection systems are still being used, as the old technology is not able to detect many of the hidden articles.

At Astrophysics, we understand. This is why we dedicated ourselves to creating the most innovative X-ray imaging systems in the world at the most competitive prices. With our broad product line, we have the system to fit both your needs and your budget.

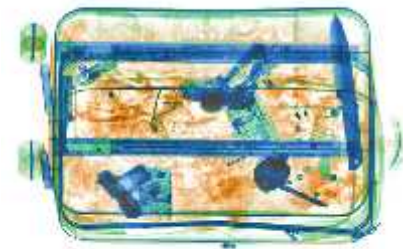
When rapid deployment and response is essential, we also offer mobile inspection solutions especially designed for a quick and easy relocation.



XIS-6040M

Advantages

- Quickly move X-ray systems through cell blocks and narrow enclosures
- Conduct efficient cell sweeps and mattress inspections
- Our Mobility Kit easily transforms our stationary systems into a mobile unit. The Mobility Kit includes heavy duty wheels, stainless steel handlebars and foldable operator panel and monitor



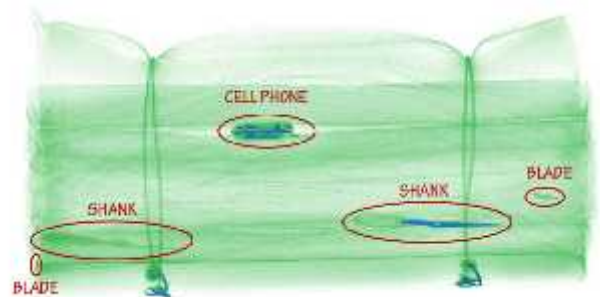
Picture Perfect



Standard Features



Black and White Mode



3 Color Mode

The above images are of a prison mattress that was rolled up and scanned twice through our XIS-6040M system. The image on the left is in the standard black and white mode and the image on the right is in the industry standard 3 color mode. A cell phone, two blades, and two makeshift shanks (one created from a toothbrush and the other crafted from a pair of scissors) were identified contrabands hidden in the mattress.

Unique Mobile Option:

Any of our systems have the capability to be mobile, but our XIS-6040M (Mobile) was specifically designed with the Corrections Industry in mind. Our mobile units can be easily relocated and move through cell blocks and narrow corridors. The mobile option enables prisons to conduct efficient cell sweeps and mattress inspections by bringing the X-ray system to the cells rather than deploying the long process of gathering and transporting cell items to another location. This results in a cost and time savings on labor, allowing officers to focus on other duties.

Picture Perfect:

This imaging feature analyzes image data to present a refined, more detailed image. When Picture Perfect is activated, an image containing multiple, layered objects will become clear and defined for increased object visibility. Picture Perfect can be used in either color mode or black and white mode and is often the best feature to enhance overall image clarity and object identification.

6 Color Imaging:

The 6 Color Imaging exceeds the conventional 3 color palette, providing 6 color categories where each color represents a specific range of atomic numbers. The colors include brown, orange, yellow, green, blue, and violet. This imaging technology differentiates among more materials so operators can quickly interpret the X-ray image and isolate security threats, thus heightening detection accuracy and increasing throughput. 6 Color Imaging is a standard feature on all Astrophysics systems.

Auto Image Archiving:

The system will automatically archive the last several thousand images scanned. This large archive library enables operators to review previous bags as a training exercise. Auto Image Archiving also permits Supervisors and Administrators to access previously scanned bags as needed, which is a standard feature on all Astrophysics systems.

Real-Time Diagnostics:

Our innovative Real-Time Diagnostics continuously monitors several system components including: power supply, input voltage, generator, bad diode count, e-stop access, entry/exit sensors, temperature, and more. Real-Time Diagnostics permits system owners to monitor the system, and can prevent and/or resolve simple faults themselves, or if needed, via Astrophysics technical phone support.

Products



XIS-5335S

Ideal system for screening small scale objects, with increased penetration for detecting contraband, weapons, narcotics and electronics. Tunnel opening of 21"x14" make it ideal for entryways or mailrooms for small parcel and package inspection.



XIS-5335S

XIS-6040M

The XIS-6040M is a compact and mobile unit design for rapid deployment. It is specifically designed for internal cell inspection and able to be used as both a checkpoint screener and in a mailroom. With a tunnel size of 23.6" x 15.7" it is capable to scan backpacks, briefcases, purses and a standard prison mattress. Also available in the XIS-6040, as a stationary unit.



XIS-6040M

XIS-6545

The 25.6" x 18" tunnel size makes the XIS-6545 optimal for any check point or mailroom screening. As the most widely sold Astrophysics model, the XIS-6545 is characterized for its reliability, functionality, and effective threat detection. Ideal system for screening small and medium sized objects.



XIS-6545

XIS-100X

Designed for screening large parcels and medium size cargo, the XIS-100X is a mid-sized system that offers diverse screening capabilities. With a tunnel size of 40" x 40" its main use would be in warehouse receiving. The 100X series is available in a variety of models, including dual-view generators and a high or low conveyor.



XIS-100X

XIS-1517200 kV

The XIS-1517 200kV is the premier heavy duty X-ray inspection system with a tunnel opening of 59" x 67". The XIS-1517 200kV is especially designed for screening crates, cargo and pallet sized objects at all security sites, especially customs locations and federal prisons. With a low conveyor height of just 14.7" above floor level, loading and unloading of heavy freight is simple.



XIS-1517200kV

Customer Service

On-Site Service & Internet Call Center (ICC)

We know that in security, every minute counts. Astrophysics has a comprehensive approach to service. Astrophysics products have high rates of reliability, however if problems arise, our service team is committed to providing a quick response. Astrophysics systems are serviced only by factory certified Field Service Technicians.

Astrophysics is the only company in the industry to offer an Internet Call Center, a comprehensive and efficient approach to customer service. The ICC features direct video conferencing, remote system connectivity, and facilitates fast service support and expedited parts ordering. The development of the ICC demonstrates Astrophysics' ongoing commitment to improve our response time and quality of our customer service. We recognize that great service is the cornerstone of productive long term relationships with our customers and we are dedicated to providing a positive customer service experience.

For all your service needs, contact our Service Department at (909) 527-6750 or e-mail us at service@astrophysicsinc.com.