Top-of-the Line System

Recognized for its high performance and throughput rate, the CTX 9000 DSi system represents the latest in CTX™ technology. Designed to integrate with baggage handling systems (BHS), the CTX 9000 DSi system is TSA-certified and perfect for fast-paced airport environments.

It is the highest throughput explosives detection system (EDS) designed for BHS integration. Its meter-wide conveyor belt and large tunnel opening welcome large and standard-size bags. Easy to operate and service, with multiplexing capabilities and a low false alarm rate, the TSA-certified CTX 9000 DSi system is an excellent investment for high-volume airports.

Benefits

- Highest throughput available
- TSA-certified
- Real-time detection
- Advanced user interface
- BHS integration
- Industry-standard meter-wide conveyor belt
- Multiplexing capability
- Closed-circuit air conditioning

Designed for Integration

Efficiency and Optimal Performance

Highest Throughput Available

The CTX 9000 DSi system delivers the highest throughput of any TSA-certified EDS on the market. It accommodates BHS bag flow rates, making it an operational asset. Bags proceed smoothly from check-in to sortation. This speeds up overall system throughput, which cuts down the cost per bag and improves baggage flow—expediting the screening process.

Real-Time Detection

The CTX 9000 DSi system detects potential threats immediately. It applies sophisticated computer algorithms to the data collected during the scanning process and compares the densities of objects inside the bag with those of known explosives. As the bag exits the machine, the system renders an automatic decision.

Advanced User Interface

The CTX 9000 DSi system produces sharp CT and Standard Projection (SP) images for quick and accurate threat resolution. Using two high-resolution monitors, the system makes a graphic correlation between the CT slice and SP image to locate and identify potential threats as well as provide a qualitative analysis of targeted bag contents. A quantitative analysis measuring CT values is also provided.
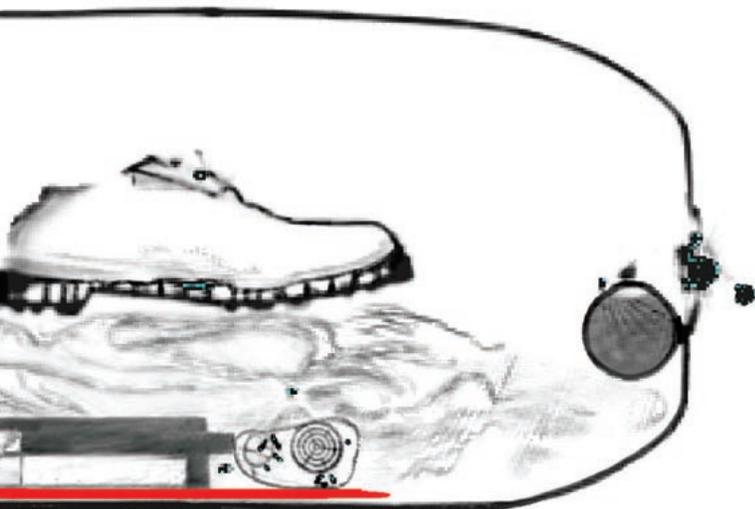
Navigation tools promote fast screening while alarm resolution tools offer different viewing options. As with all CTX systems, the interface clearly identifies threats through color-coding and symbols. Central data management functions allow operators to save and print reports and images.
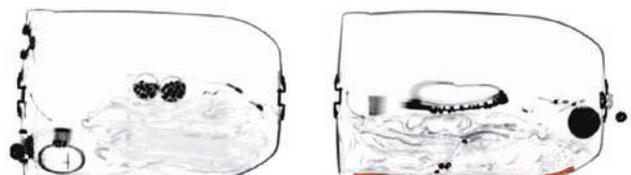
BHS Integration

A fully integrated solution, the CTX 9000 DSi system includes an industry-standard, meter-wide conveyor belt to support BHS operations. It also accepts large and elongated bags found in real operating environments.

Closed-Circuit Air Conditioning

Every CTX 9000 DSi system contains a powerful, yet compact, air-conditioning unit to ensure maximum uptime in varying airport environments. This self-contained unit forces cool, filtered air through the entire system in a closed circuit, so the system can function at full capacity.

Computed Tomography (CT) slices are the optimal tool for detecting the critical components of an Improvised Explosive Device (IED). The inherent high resolution of CT slices enables better qualitative evaluation of the potential threat.

Expanding Your Airport's Capabilities

Multiplexing Capability

Multiplexing is the networking of multiple CTX systems with multiple viewing stations. It can reduce operating costs by optimizing security resources. Operators are equally utilized, control rooms are less crowded, and operators and supervisors in remote areas share image data and alarm resolution tools. It allows for achieving maximum throughput during peak periods by adding operators instead of machines.

Passive Threat Resolution Interface (PTRI)

The MUX network includes important new capabilities to improve the efficiency of the inline EDS operation. As an option, PTRIs may be added to a MUX network so that images of suspect bags can be recalled to assist inspectors in directed searches of alarmed bags. This speeds up the screening process by allowing inspectors to focus on a specific area or items in a bag that have caused the alarm.

Image Archiving

Providing users with tools to automatically store all scanned bag images for up to 48 hours. Enables long-term storage through the removal of the swappable drives within the storage device.

Services

GE develops and deploys technologies for improved aviation security. Our innovative and proprietary CTX products help airport baggage screeners around the world detect explosives quickly and efficiently.

GE also provides flexible support programs and services to optimize product performance and increase customer satisfaction. We have a 24-hour Customer Assistance Center for prompt access to qualified tech support personnel and an Integrated Response Program. Our highly-trained field service engineers (FSE) are available for onsite visits.

Committed to ensuring uptime and operational efficiency, GE has invested in comprehensive maintenance programs and professional training courses. Baggage-screening operations run smoothly with GE experts on standby to diagnose systems and repair or replace parts. Meanwhile, our training specialists provide specialized instruction to CTX operators through courses available year-round.

For successful CTX product integration, customers can utilize our EDS modeling services and GE consultants to plan for proper design layout and deployment. Each model is customized and based on the unique requirements of each facility.

MUX network: a robust networking and multiplexing environment for the CTX 9000 DSi system that lowers operational costs, increases security, and optimizes use of critical security personnel.

MUX network: centralized EDS screening reduces costs, increases security, and optimizes the use of screening resources.

Image Archiving: long-term storage through the removal of the swappable drives within the storage device.

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