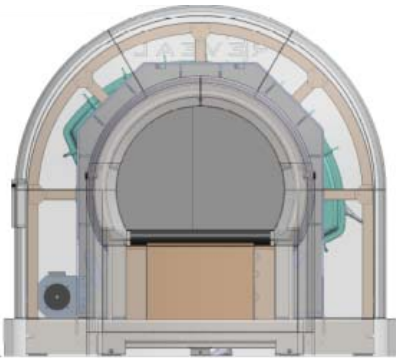




Reveal CT-120 explosives detection system

High-throughput, single-pass CT and 3-D imaging of every bag
A cost-effective, integrated baggage screening solution for inline screening operations



The Reveal CT-120's large tunnel opening can be easily integrated with 1-meter (3.3-feet) wide belt systems to accommodate even oversized bags without the need for bag-centering devices.

The high-throughput Reveal CT-120 explosives detection system combines proprietary dual-energy computed tomography (CT) with cutting-edge detection algorithms to detect a wide range of threats while keeping false alarm rates low. In the same pass, the CT-120 also provides a high-resolution, full-volumetric 3-D image of every bag to help operators resolve alarms quickly. Designed specifically for inline screening operations, the CT-120's available accessories—including infeed and outfeed conveyers, multiplexing, and threat image projection—help seamlessly integrate the system with third-party baggage control systems and existing airport baggage scanning infrastructure.

The Reveal CT-120—ideal for airport, port, facility protection, and freight customers that demand high detection and throughput at an affordable price.



The Reveal CT-120 can be easily integrated with an airport's existing baggage scanning infrastructure.

Automated detection

The CT-120's proven dual-energy CT technology automatically screens bags for a wide range of threats—including homemade and liquid explosives. The system measures both density and atomic number (Z_{eff}) to provide significantly enhanced detection with very low false alarm rate, allowing more bags to be cleared without the need for secondary inspection.

Threat resolution

The CT-120 provides high-resolution, full-volumetric 3-D imaging of each bag's contents. The system's user interface incorporates advanced, U.S. Transportation Security Administration-compliant threat resolution tools that help operators quickly and accurately resolve alarms and communicate threat information, streamlining the end-to-end security process.

Key features

- Throughput of 1,000 bags per hour
- Dual-energy CT and full-volumetric 3-D imaging of every bag in a single pass
- Large tunnel accommodates even oversized bags
- Low false alarm rate
- Fully integrated field data reporting system
- Cost effective
- Optional accessories
 - Powered infeed and outfeed conveyers
 - Threat image projection (TIP)
 - Remote multiplexing
 - On-the-job training
 - Operator qualification test function
 - Baggage handling interface

Dimensions and weight	360 cm L x 239 cm W x 242 cm H (142 in L x 94 in W x 95 in H) 4,536 kg (10,000 lb)
Tunnel specifications	120 cm (48 in) diameter x 105 cm (41 in) conveyor deck width x 90 cm (35 in) belt height, max. load >50 kg (110 lb) per bag
Max. bag size	250 cm L x 100 cm W x 60 cm H (98 in L x 39 in W x 24 in H)
Throughput	1,000 bags per hour
Power	Three phase 480 VAC, 50/60 Hz, 60 Amp
Safety	Conforms to all U.S. and international radiation safety regulations
Operating temperature	5° to 40° C (41° to 104° F)
Imaging performance	1.6-mm voxel Min. 24-in high-resolution flat-panel display
Imaging functions	Fully interactive 3-D image (rotation, fly-through) Grayscale and color Reverse video

SAIC Security and Transportation Technology

10260 Campus Point Drive, V2-F | San Diego, CA 92121

866.SAF.TRAN (866.723.8726) | sectrans@saic.com

Visit us online at www.saic.com/security

Energy | Environment | National Security | Health | Critical Infrastructure

