



smiths detection

YOUR COMPLETE
HOLD BAGGAGE
SOLUTION

www.smithsdetection.com

Intelligent solutions for today and tomorrow

Hold baggage screening (HBS) is about to take the next step in its evolution. Strong passenger growth and increasing threats require technology which goes beyond security standards and regulations. The aviation industry now demands solutions which also deliver exceptional performance.

Trusted experience

With 40 years' experience in aviation security, Smiths Detection has become the trusted partner for airports, airlines and government authorities around the globe. We have the expertise to support any type of operation, from small airports to international multi-airport groups – and also the most comprehensive HBS portfolio in the industry.

Integrated Solutions

As screening is an integral part of a broader, complex operation, interoperability is critical. We collaborate with all Baggage Handling System providers, working together to achieve successful and timely system integration and implementation. With the right structure, experience, knowledge and tools, the Smiths Detection team can design and deploy the screening solution you need to achieve your specific operational objectives.

Comprehensive, proactive support

To maximise uptime, our global team of field service technicians and engineers deliver fast response and resolution and take a proactive approach to maintenance. Using the latest in sensor technology and data insight processes to support predictive maintenance, they are committed to achieving 100% system availability.

Security, efficiency and longevity

The key criteria for effective HBS solutions

Smiths Detection understands the operational and security challenges of an airport. We focus on delivering security, operational efficiency and longevity.

Security

We have a long and successful track record in helping airports keep pace with ever-changing threats and regulations. Our HBS solutions are fully certified to meet the latest standards from ECAC, TSA and numerous other relevant agencies and regulators.

Using the latest and most advanced technologies, they support highly accurate identification of potential threat substances – and have the built-in capacity to detect the new, and as yet undefined, threats of tomorrow.

Efficiency

Faster belt speeds and the lowest false alarm rates (FAR) in the industry deliver a higher throughput – which means the same volumes can be handled by fewer machines and baggage handling lines. Smiths Detection is also setting new standards in networking which further improves efficiency and performance by connecting several lines, terminals or even airports located across countries or borders.

Longevity

We use the best quality components and ensure our equipment is built to last. Efficient service support; preventative, even predictive, maintenance; along with regular updates to software for all our components, all help extend the life of your solution. Network infrastructure, such as servers or workstations, can be upgraded without replacing the screening system, hence protecting your core investment. Our on-going commitment means your equipment can be expected to have a life cycle of 15 to 20 years and, in some cases, even 30+ years.



COMPREHENSIVE, RELIABLE, COMPLIANT

Our extensive portfolio enables you to fulfil diverse security requirements and regulatory demands with a variety of CONOPS. Put your trust in us for high quality solutions, reliability and global service support.

HI-SCAN 10080 EDX-2is



COMPLIANCE
ECAC EDS Std. 2 approved
Regulation [EU] 2015/1998 compliant
in 100% inspection mode

BELT SPEED
0.5 m/s

MAX TUNNEL SIZE
107 x 81 cm

DETECTION
Automatic detection of explosives

HI-SCAN 7555aTiX



COMPLIANCE
ECAC EDS CB C2 approved

BELT SPEED
0.2 m/s

MAX TUNNEL SIZE
75 x 55 cm

DETECTION
Automatic detection of explosives

FOOTPRINT
Compact footprint for operation
in areas with limited space

IONSCAN 600



COMPLIANCE
Approved/certified by
ECAC, CAAC & TSA (Air Cargo)

SIZE
Portable desktop system
37 x 30 x 32 cm (WxDxH)

DETECTION
Detects explosives and narcotics

HI-SCAN 10080 XCT



COMPLIANCE
ECAC EDS Std. 3 & 3.1 approved
TSA certified [5.8 & 7.2]
STP image quality

BELT SPEED
0.5 m/s

MAX TUNNEL SIZE
107 x 81 cm

DETECTION
Automatic detection of explosives

TOTE CERTIFICATIONS
Numerous totes from key BHS
suppliers approved

CTX 9800 DSi



COMPLIANCE
ECAC EDS Std. 3 & 3.1 approved
TSA certified [5.8 & 7.2]
TSA qualified
CAAC certified
IPMO certified

BELT SPEED
0.2, 0.3 or 0.5 m/s

MAX TUNNEL SIZE
100 x 62 cm

DETECTION
Automatic detection of explosives

TOTE CERTIFICATIONS
Numerous totes from key BHS
suppliers approved

CTX 5800



COMPLIANCE
ECAC EDS Std. 3 approved
TSA certified [5.8 & 7.2]
TSA qualified
CAAC certified
IPMO certified

BELT SPEED
0.14 m/s

MAX TUNNEL SIZE
75 x 60 cm

DETECTION
Automatic detection of explosives

FOOTPRINT
Compact footprint for operation
in areas with limited space



Networking solutions

Increasing security requirements and the need to reduce operational costs and optimise vital resources are the key challenges addressed by our customised networking solutions. From health status monitoring to real-time system management reporting and key functions such as image distribution and evaluation, we can meet the demands of the industry.

Our equipment is built with the highest level of IT security in mind. It includes flexible, reliable and effective interfaces, driven by structured IT best practices.

Image distribution

Delivering images to analysts in real-time is fundamental and critical to the screening solution and, therefore, must be effective, reliable and offer high availability. Built-in redundancy, leading industry standard network components and servers and hot-swappable elements ensure network dependability and minimise downtime.


Image evaluation

Our operator workstations offer a proven graphical user interface (GUI) which clearly displays images and enables fast, accurate on-screen resolution. To ensure the best possible support for analysts, we worked at length with several regulators to refine our GUI and develop simple, ergonomic and intuitive operation. It also has different settings to suit individual evaluation stages within the multi-level HBS.

System management

The system is continually monitored, providing central access to reporting and diagnostic data for valuable insights to support resource planning and allocation, general administration and system health. Our management functions can be accessed via multiple local workstations or a web-based platform.





Smiths Detection is one of five operating divisions of Smiths Group, a global technology company listed on the London Stock Exchange. Employing over 23,000 people in more than 50 countries, Smiths Group is a world leader in the practical application of advanced technologies, delivering products and services for the threat & contraband detection, medical devices, energy and communications markets worldwide.

Smiths Detection is a global leader in threat detection and screening technologies for aviation, ports and borders, urban security and Defence. With more than 40 years of field-tested experience, we deliver the solutions needed to protect society from the threat and illegal passage of explosives, prohibited weapons, contraband, toxic chemicals and narcotics.

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