



smiths detection

FOCUS ON / URBAN SECURITY

→ KEEP PEOPLE  
SAFE AND  
THREATS OUT

[www.smithsdetection.com](http://www.smithsdetection.com)



WE ARE A GLOBAL LEADER IN  
SCREENING AND DETECTION  
TECHNOLOGY USED TO INTERCEPT  
CONTRABAND AND IDENTIFY,  
DETECT AND MONITOR FOR A  
WIDE VARIETY OF THREATS





### Security in an ever changing world

The need for security in public areas leads to increasing demands on technology and people. Smiths Detection fulfils these requirements with powerful solutions for today and tomorrow.

Security remains the highest priority in public and private buildings. New risks have arisen in the 21st century which are continually changing. This results in new challenges requiring effective security checks in public and semi-public areas.

In particular, transition areas such as public entrances and reception lobbies are vulnerable, along with access points to sensitive areas. The critical objective is to protect people, keep dangerous or prohibited items out and avoid evacuations.

For all locations, the security officers responsible need reliable and efficient solutions. Smiths Detection meets

these requirements with technologies and solutions based on four decades of experience in airport security.

Our products stand out for their powerful technology and contemporary design. They also embody our values such as a long product life, easy operation, low maintenance and optimum compatibility with the entire security infrastructure.

Innovative solutions are key to future-capable security controls in all types of buildings. These range from government administrative buildings and courthouses to privately owned hotels and conference centres. The capability and flexibility of checkpoint technology from Smiths Detection, for the public or private sectors, are as extensive as the locations themselves.



# INNOVATIVE TECHNOLOGY FOR SECURITY IN PUBLIC AREAS

Checkpoints need to stay a step ahead of rapidly changing security threats. They also need to be cost-effective and efficient. Smiths Detection's checkpoint solutions address all these requirements with scanners for personal belongings or people. Risks from unknown chemicals are also mitigated with detection and identification sensors, which have been relied on for decades by the military and emergency responders.

At the checkpoint, the HI-SCAN series of X-ray inspection systems are specially designed for buildings security. They sit at the heart of an intelligently constructed security infrastructure, complemented by other Smiths Detection technologies for a comprehensive protection solution. These should include body scanners, eqo and B-SCAN, used to reveal concealed threats on a person and trace detection systems such as SABRE 5000 and IONSCAN 600, which detect invisible amounts of explosives and narcotics.

Lightweight hand-held devices are essential in identifying unknown substances at the checkpoint or beyond. HazMatID Elite, Target-ID, and ACE-ID rapidly identify solid and liquid chemicals. Also, body-worn chemical detectors such as LCD 3.3 can detect airborne chemical threats in real-time.

Our expertise goes into stand-alone products as well as complete solutions for the modern checkpoint. Backed by a comprehensive service network, we provide powerful solutions to make the world more secure.

Smiths Detection's advanced solutions stand for typical values such as:

- High reliability and ease-of-use for operators
- High security standards and advanced technologies
- Low maintenance and a long life cycle
- Global service footprint
- Comprehensive range of detection products









# CUSTOMISED COMPLETE SOLUTIONS WITH POWERFUL SYSTEMS FROM SMITHS DETECTION

Smiths Detection offers complete solutions which can be precisely tailored to individual requirements. Our experienced experts provide guidance from the first planning steps all the way to commissioning and in-service support.

## X-RAY SCANNERS FOR HIDDEN THREATS IN PARCELS AND BAGGAGE



HI-SCAN 5030C

Compact system that can be moved around a facility

The HI-SCAN 5030C is specifically designed for facilities that need to screen small objects such as envelopes or personal belongings such as purses or handbags. The ideal setting for this system is in a mailroom, at the front entrance to a building, or a facility that requires a system to be moved from one area to another.



HI-SCAN 6040-2is

High quality images for high risk threat detection

HI-SCAN 6040-2is is an advanced dual-view X-ray inspection system for automatic explosives detection. It offers high throughput at security checkpoints, where bags and personal belongings are screened. The system is suitable for airports, government buildings, hotels and other critical infrastructure applications where the highest standard security solutions are required.



HI-SCAN 6040C

Tailor-made for checkpoint security in buildings

The very latest X-ray scanning solution, HI-SCAN 6040C has been designed for entrance areas of public buildings such as prisons, courthouses, embassies, banks and hotels. Its contemporary design and small footprint fit well into any environment where the requirement is to screen bags and small packages to detect prohibited items and threats.



HI-SCAN 6046si

Proven checkpoint system

The HI-SCAN 6046si is a compact X-ray inspection system with a larger tunnel opening than the HI-SCAN 6040C. It can scan objects that exceed standard dimensions for hand luggage and other items in areas with increasing security demands.



## TRACE DETECTION



### SABRE 5000

#### Hand-held detector

The SABRE 5000 is the smallest, lightest tri-mode handheld system available for detecting trace amounts of explosives. Capable of dealing with trace particles or vapours, it can also identify chemical warfare agents, toxic industrial chemicals or narcotics.

## PEOPLE SCREENING



### B-SCAN

#### Detects objects concealed internally

B-SCAN helps to reduce the smuggling of drugs, guns, knives, cell phones and other contraband concealed internally or externally. High throughput – scan time less than 7 seconds. A reliable and easy to maintain X-ray system, with low lifetime of ownership costs.

## CHECKPOINT SYSTEM



### iLane.pro

#### Modular checkpoint

With iLane.pro's modular concept, buildings operators and security managers are provided with an opportunity to create their own individual checkpoint with a wide range of components, such as roller conveyors, in a modern, contemporary design. iLane.pro facilitates the best use of space and would replace and enhance any existing checkpoint area while being easily combined with Smiths Detection's advanced checkpoint X-ray machines.



### IONSCAN 600

#### Next generation desktop trace detection

The IONSCAN 600 trace detector is based on non-radioactive Ion Mobility Spectrometry (IMS) and does not require licensing or specialized handling. Using swab samples, it detects and identifies explosives and narcotics from the smallest trace amounts, in less than 10 seconds. For use in screening bags, clothing or human skin.



## X-RAY SCANNERS FOR HIDDEN THREATS IN LARGE PACKAGES AND FREIGHT



HI-SCAN 100100V-2is

### Large package scanner

The HI-SCAN 100100V-2is is equipped with two 160kV generators in 90° opposition, providing a horizontal and vertical view of the screened object (dual-view). This screening method facilitates reliable inspections of tightly packed objects in one process, shortening inspection times. This system is ideal for screening deliveries consisting of multiple boxes.



HI-SCAN 180180-2is pro

### Large package and palletized freight scanner

The HI-SCAN 180180-2is pro is designed for the inspection of large-scale consolidated and palletized goods. The system's two powerful 300 kV X-ray generators are capable of simultaneously yielding two alternate views of objects, penetrating large and dense objects, reducing re-inspection times, ensuring high throughput and a fast, efficient inspection process. It's conveyor can support 5,000 kg/m when evenly distributed.

## BIO-THREAT DETECTION



BioFlash and BioFlash MailGuard

### Screening systems for bio-threats

BioFlash overcomes the limitations of current laboratory-based biological testing methods, allowing users to accurately test the air for tiny amounts of pathogens within minutes and at the place of operation. BioFlash MailGuard is a ready-to-use mail screening system used to intercept potential biological threats, such as anthrax, sent through mail and packages.

## SOFTWARE



iCMORE

### Software for advanced threat detection

iCMORE is a software feature that can be added to select Smiths Detection X-ray inspection systems, to aid screeners in evaluating a range of threats, including weapons, by drawing a box around a suspicious object. The software utilizes artificial intelligence and deep learning technology to build on its database of recognized threat objects.





## CHEMICAL DETECTION / IDENTIFICATION



### HazMatID Elite

#### Handheld FTIR identifier for unknown substances

HazMatID Elite is a next-generation handheld chemical identifier based on superior data analysis. The HazMatID Elite identifies unknown substances such as suspicious powders, gels, and liquids in 60 seconds or less. Based on solid or liquid samples, analysis is performed by placing a small amount of the substance onto the diamond ATR sensor.



### Target-ID

#### Portable FTIR narcotics identifier

Combining the power, speed, and accuracy of FTIR with a library of up to 2,500 narcotics, precursors, cutting agents and common chemicals, Target-ID returns identification results in a matter of seconds without damaging or degrading the sample. Target-ID can identify powders, liquids, gels, pastes and solids. In addition, emerging designer drugs, and local variants can be added to its expandable user library to identify new or emerging threats.



### ACE-ID

#### Non-contact Raman explosives and narcotics identifier

The hand-held ACE-ID quickly screens potentially dangerous unidentified substances such as explosives, narcotics and toxic chemicals. Advanced technology featured in this product diffuses laser energy, reducing the risk of igniting samples or degrading samples that could be used as evidence.



### LCD 3.3

#### CWA/TIC detector

The LCD 3.3 is a personal chemical detector that can be handheld or clipped to a belt or harness, enabling the user to work without obstruction. The system samples the air and alerts the user to a threat with both audible and visual alarms plus a clear, easy-to-read liquid crystal display, and is supplied with a carrying pouch to allow hands-free operation.

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.

For product information,  
sales or service, visit:

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