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PROTECTING PUBLIC HEALTH AT PASSENGER CHECKPOINTS

WHILE ENHANCING SECURITY AND EFFICIENCY

REGAINING PASSENGER CONFIDENCE

In just a few short months, COVID-19 had a huge impact on the aviation industry. As the industry begins to reinstate operations, airports will be looking to rapidly regain the confidence of travelers through the introduction of heightened safety measures and the reduction of touch points along the entire passenger journey. Technology will certainly play a key role as the industry accelerates its drive towards ever more automated and seamless processes.

In a typical passenger journey, security checkpoints create bottlenecks, particularly at busy airports and during travel peak times. Conventional checkpoint screening involves close contact between passengers and operators, as well as with surfaces such as trays.

While maintaining social distancing will be a huge challenge and at times simply not feasible, avoiding congestion, reducing touch points and introducing additional hygiene measures will certainly boost passenger confidence and may turn out to be a competitive advantage for airports as travel restrictions are eased.

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IMPROVE THE FLOW, MINIMISE CONTACT AND MAINTAIN HYGIENE

Passenger checkpoint screening is a complex process of many parts, all of which must be correctly balanced to reduce touch points and deliver the best possible flow of bags and people – a steady stream makes it easier to avoid any bunching in the queue.

A coherent response will include preventative measures such as cleaning of equipment; minimising contact between travellers and staff; and in the longer term the introduction of new technologies, such as risk based screening, to help reduce the risks further.

Fortunately, there are already solutions available that can effectively support the protection of public health while enhancing security and efficiency, which will be equally important for business recovery.

HOW CAN WE SUPPORT YOU?

Smiths Detection is ready to partner with airports to help restore passenger and employee confidence through the equipment we supply, the partners we work with and the safety measures we can help put in place.

Our team of experts can work with you to conduct a complete review of your screening operation and provide advice on effective measures and process changes - we predict the impact these changes would have on your operation with our existing modelling tools.
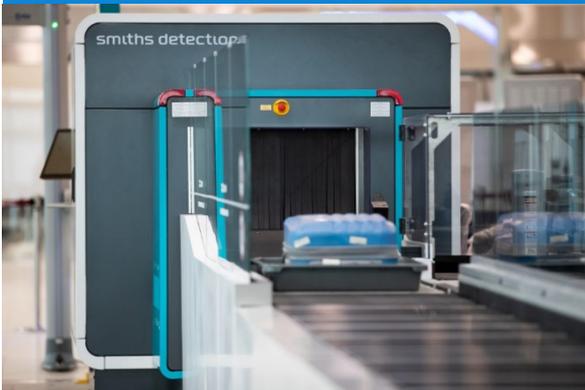
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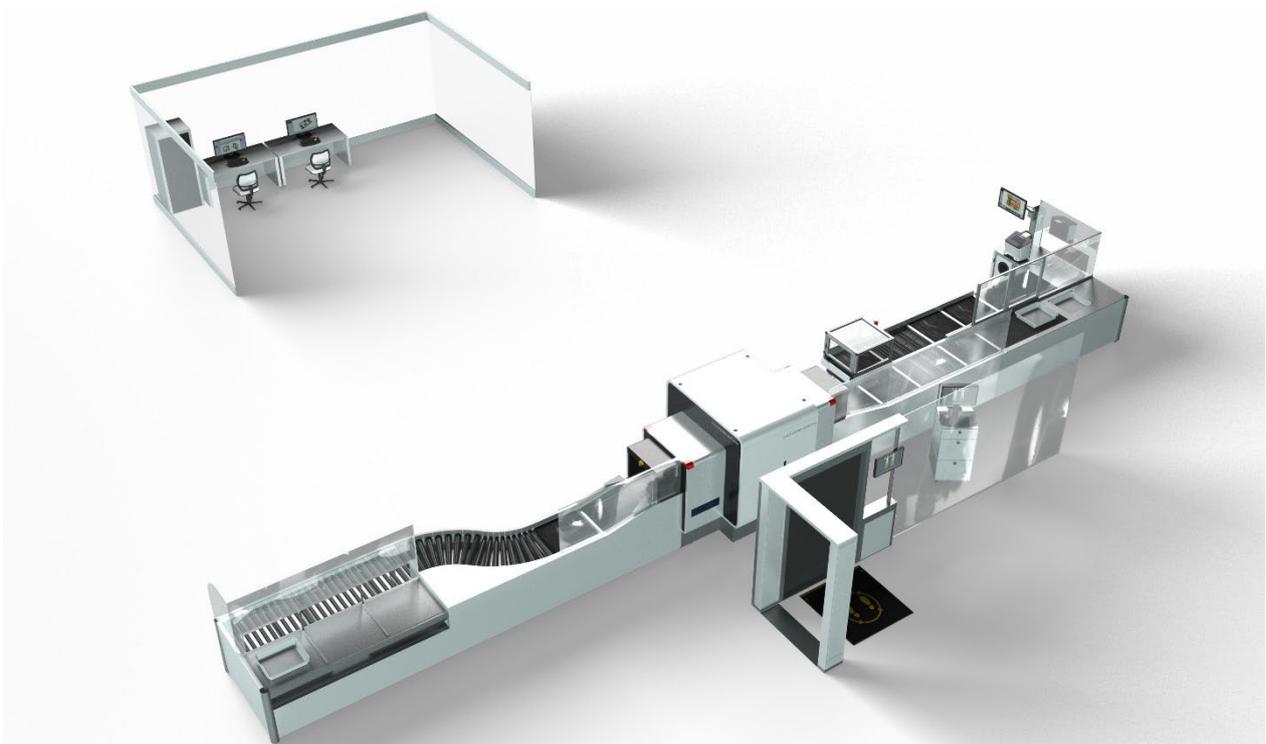
TRAY DISINFECTION

Short-wavelength UV light (UVC) has been successfully used for the disinfection of surfaces in industries with high hygiene requirements, such as the food and health sectors, for many years. We are using this proven technology in our UVC light tray disinfection kit, which can be retrofitted into Smiths Detection and third-party tray handling systems.

SNEEZE GUARDS

"Sneeze guards" are an easy way of protecting staff and passengers from the risk of airborne disease transmission. Acrylic or glass shielding can be mounted in areas where passengers and staff are in close proximity, such as bag recheck, without losing the human side of the interaction.

UVC light is capable of eliminating 99.9% of bacteria and viruses on trays

Reduce the number of trays handled as well as the rechecks required with CT technology

PASSENGER BAGGAGE SCREENING

Smiths Detection's HI-SCAN 6040 CTiX checkpoint CT scanner provides the highest level of security and the opportunity for liquids and laptops to be left in bags for screening. This can massively cut down the number of trays handled by both staff and passengers, and thanks to its industry leading low false alarm rate, requires far fewer rechecks by operators.

With its TSA and ECAC approvals, it is a best in class CT solution that can easily be integrated into the checkpoint.

While the conventional X-ray HI-SCAN 6040aTiX multi-view scanner can also easily be upgraded to EDS CB C2 approval via a simple software update, removing the need to unpack laptops.

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PEOPLE SCREENING

Smiths Detection's eqo is a state-of-the-art people screening system using millimetre-wave technology to automatically detect concealed contraband or threats. Its industry leading low false alarm rate reduces the number of required pat downs. If there is an alarm, any potential threats are marked in the appropriate position on a silhouette image allowing for a fast and efficient directed search, minimising physical contact.

LANE DESIGN

The latest automated checkpoint lanes from Smiths Detection help speed-up the flow of people and bags through the checkpoint. Key features such as parallel divest; automatic diversion; and tray return, together deliver improvements in productivity; throughput; operational costs and passenger experience. They also reduce the frequency of manually handling trays and help keep a safe distance between passengers by avoiding queues.

REMOTE SCREENING

Deploying image analysts in a remote location away from the checkpoint has been proven to offer many operational and security benefits and, in this case, would allow for fewer points of human contact, making the process safer for both staff and passengers while ensuring business continuity.

MULTIPLEXING

When multiplexing images airports can flexibly adapt their staffing levels to demands as travel starts to pick up again. Operator utilisation and productivity can be increased and labour cost (per passenger) is consequently reduced.

Protect staff and passengers alike by deploying analysts in a remote location. Flex your staffing levels with multiplexing.

Want to find out more?

Get in touch today to discuss how we can support you. Email us at Aviation-solutions@SmithsDetection.com or visit our resource centre on protecting public health at the security checkpoint at SmithsDetection.com.

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