

SDX 10080 SCT

→ Smart – Efficient – Sustainable



Technology that keeps pace with change.
Setting new standards in hold baggage
and air cargo screening.

Built on our unparalleled knowledge and experience in CT-technology, the Smiths Detection **SDX 10080 SCT** delivers unmatched modularity, performance and reliability.

KEY BENEFITS

- Modular design: CT-only or CT + Line Scanner (SDX 10080 SCT LS)
- High-resolution 3D & 2D imaging: faster and accurate decisions
- Future-proof platform: emerging threats, new regulations, faster conveyors
- Continuous screening and smaller bag spacing:
>1,800 bags/hr on 0.5m/sec conveyor speed
- 107 x 81cm rectangular tunnel: maximum in gauge screening and uninterrupted flow
- Sustainable: low energy consumption and air-based cooling
- Easy integration and lowest TCO in its class

FLEXIBLE PLATFORM: TWO CONFIGURATIONS, ONE FUTURE-PROOF SYSTEM

There are two scalable versions – the SDX 10080 SCT and the SDX 10080 SCT LS. The CT-only version offers a compact, energy-efficient design with a lower CAPEX. An additional line scanner delivers high resolution 2D images to support faster and reliable on-screen alarm resolution. Having two scanners also provides built-in self-redundancy, ensuring continued operation if either encounters a problem.

HOLD BAGGAGE SCREENING

>1,800 ITEMS
PER HOUR

Both models are upgradeable in the field, designed to meet current ECAC and TSA regulations; and support future potential standards such as ECAC Standard 4 or TSA 8.0/9.0 – where compliance may well require a combination of CT and X-ray Diffraction technologies.

SMART DESIGN: LONGER-TERM VALUE, MORE SUSTAINABILITY

To reduce maintenance and energy use yet still deliver superior performance, the SDX 10080 SCT was designed and built with fewer components. For example, the roller-based gantry is bearing free and the reliable, air-based cooling system reduces both downtime and energy consumption.

These advances result in the lowest total cost of ownership of any system in its class, delivering sustainability and reliability in every cycle.

OPERATIONAL EFFICIENCY: MORE THROUGHPUT, LESS COMPLEXITY

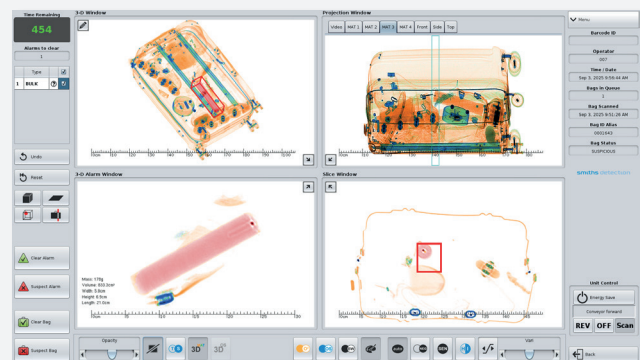
Productivity is maintained via superior detection with the lowest false alarm rates (FAR); short on-screen resolution times; plus a series of smart engineering adaptations.

A 0.5 m/s conveyor speed and smaller bag spacing enable the SDX 10080 SCT to screen more than 1,800 items per hour. An innovative curtain concept minimises the risk of items getting stuck, ensuring smoother throughput and uninterrupted screening. It takes even the most challenging lighter or taller bags and packages in its stride.

Dynamic calibration running in the background maintains consistent performance and eliminates the need to periodically stop the conveyor belt. Simplified installation and compact dimensions allow seamless integration into existing systems.

The longer conveyor has a continuous belt and a stronger motor to carry heavier weights and limit tracking errors. A large 107 x 81 cm rectangular tunnel maximises in gauge screening and enables a continuous flow (to screen objects up to 100 x 80cm).

INCENT.VIEW: WORKSTATION



- Fast and easy image analysis through various image-manipulation functions
- Best-in-class 3D and 2D image quality
- Intuitive operation

Technology that keeps pace with change

With decades of experience pioneering CT detection, Smiths Detection has shaped global standards for aviation and air cargo screening. The SDX 10080 SCT builds on this legacy with a future-ready platform. From its modular, upgradeable design to best-in-class throughput, low energy use, and seamless integration, the system delivers unmatched operational efficiency, long-term value, and confidence in an evolving security landscape.



If you would like to know more about the SDX 10080 SCT and how we help make the world a safer place, you can get in touch at: www.smithsdetection.com