

# HI-SCAN™ 10080 XCT



## Feature Highlights

- Dual-energy X-ray line scanner with full 3-D volumetric Computed Tomography (CT) imaging and reconstruction
- Belt speed of 0.5m/s (98.5ft/min)
- High throughput of up to 1800 bags per hour
- Large 1070 x 810mm (42.1 x 31.9in) tunnel size
- High resolution images

The HI-SCAN 10080 XCT is the next generation of high-speed checked baggage automatic explosives detection system from Smiths Detection.

Developed to fulfill the ever demanding requirements of security authorities, airport operators and integrators, the HI-SCAN 10080 XCT provides unique performance capabilities based on Smiths Detection's proven dual-energy X-ray line scanner with a proprietary single energy volumetric Computed Tomography (CT) scanner.

The data generated by the two technologies in the HI-SCAN 10080 XCT provide the highest resolution images possible to optimize detection performance. The 2-D images from the dual-view, dual energy line scanner are of the same high caliber you expect from Smiths Detection. The high resolution 3-D images from the CT scanner will also improve the on screen resolution at all levels.

With a belt speed of 0.5m/s (98.5ft/min) the HI-SCAN 10080 XCT provides a throughput of up to 1800 bags/hour. The large 1070 x 810mm (42.1 x 31.9in) rectangular tunnel size enables bags up to 1000 x 800mm (39.4 x 31.5in) to be screened automatically at Level 1. These capabilities enable the HI-SCAN 10080 XCT to provide the most economical solution to airport checked baggage screening demands.

The HI-SCAN 10080 XCT is designed to easily integrate into newly implemented Hold Baggage System (HBS) configurations or as a replacement for current baggage handling systems. Since many currently deployed baggage handling systems operate at 0.5m/s (98.5ft/min) installing the HI-SCAN 10080 XCT reduces infrastructure changes while meeting the next generation regulatory requirements.

The HI-SCAN 10080XCT has passed laboratory certification from the United States Transportation Security Administration (TSA) and is EU/ ECAC EDS Standard 3.0 and 3.1 approved. The HI-SCAN 10080 XCT ensures a smooth and cost effective operation of baggage or air cargo handling systems.

**EU EDS Standard 3.0 and 3.1 Approved  
TSA Lab Certified**

### General Specifications

Tunnel dimensions [WxH]	42.1 x 31.9in (1070 x 810mm)
Max. object size [WxHxL]	39.4 x 31.5 x 63in (1000 x 800 x 1600mm) Out-of-Gauge (OOG) version object length up to 149.6in (3800mm)
Conveyor height	Minimum 27.6in (700mm)
Belt speed	98.5ft/min (0.5m/s)
Throughput	Up to 1800 items/h
Max. conveyor load (evenly distributed)	15.4lbs/ft <sup>2</sup> (75kg/m <sup>2</sup> ) 441lbs (200kg) total
Duty cycle	100%

### X-ray Generating System

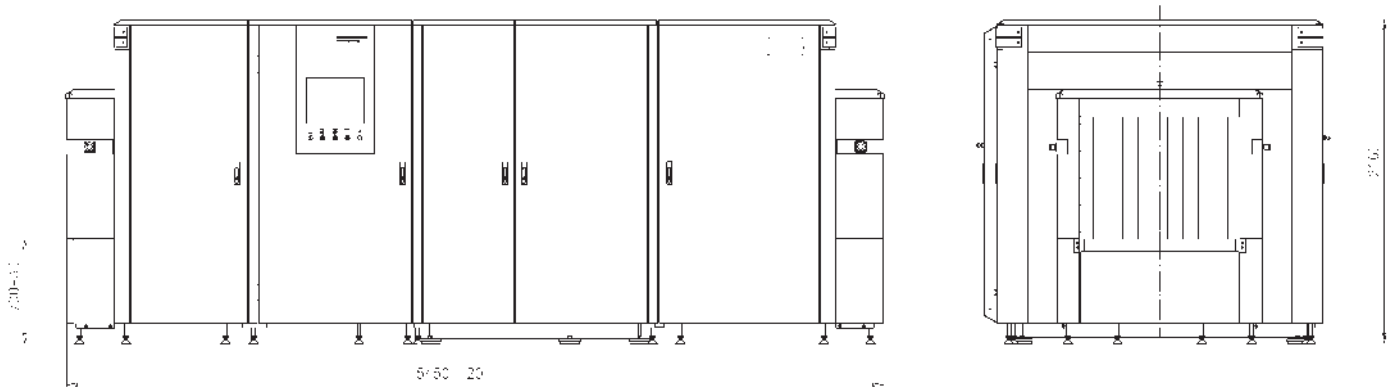
No. of X-ray generators	3
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### Image Generating System

X-ray converter	Photodiodes with highly efficient scintillators
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### Installation Data

X-ray leakage	Meets all applicable laws and regulations with respect to X-ray emitting devices
CE conformity	In compliance with requirements of 2006/42/EC, 2014/35/EU, 2014/30/EU
Sound pressure level	<70dBA
Operating temperature	32°F up to 104°F (+0°C up to +40°C)
Storage temperature	50°F up to 140°F (-15°C up to +60°C) (without UPS batteries)
Humidity	10% - 90% (non-condensing)
Power supply	400VAC + 10% / -15% 3-phase, 50Hz/60Hz ± 3Hz
Power consumption	16kVA
Protection class system	IP 33 (sprinkler water protection)
Dimensions [WxHxL]	90.6 x 85 x 214.6in (2300 x 2160 x 5450mm)
Weight	16865lbs (7650kg)



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Smiths Detection Germany GmbH, Im Herzen 4, 65205 Wiesbaden, Germany  
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