

# HI-SCAN™ 10080 XCT

## HEIMANN X-RAY INSPECTION SYSTEM



### 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
- Optional iCMORE modules for expanded detection capabilities

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 31.5) to be screened automatically at Level 1. These capabilities enable the HI-SCAN 10080 XCT to provide the most economical solution for 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 10080 XCT is EU / ECAC EDS Standard 3.0 and 3.1 approved and has passed certification from the United States Transportation Security Administration (TSA).

iCMORE modules enable the automated detection of dangerous goods and prohibited items. They increase safety and screening performance without impacting certified explosives detection algorithms.

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

### General Specifications

Tunnel dimensions [WxH]	1070 x 810mm (42.1 x 31.9in)
Max. object size [WxHxL]	1000 x 800 x 1600mm (39.4 x 31.5 x 63in) Out-of-Gauge (OOG) version object length up to 3800mm (149.6in)
Conveyor height	Minimum 700mm (27.6in)
Belt speed	0.5m/s (98.5ft/min)
Throughput	Up to 1800 items/h
Max. conveyor load (evenly distributed)	75kg/m <sup>2</sup> (165lbs/m <sup>2</sup> ) 200 kg (441lbs) total
Duty cycle	100%

### X-ray Generating System

No. of X-ray generators 3

### Image Generating System

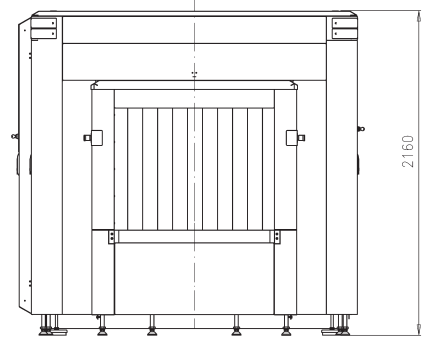
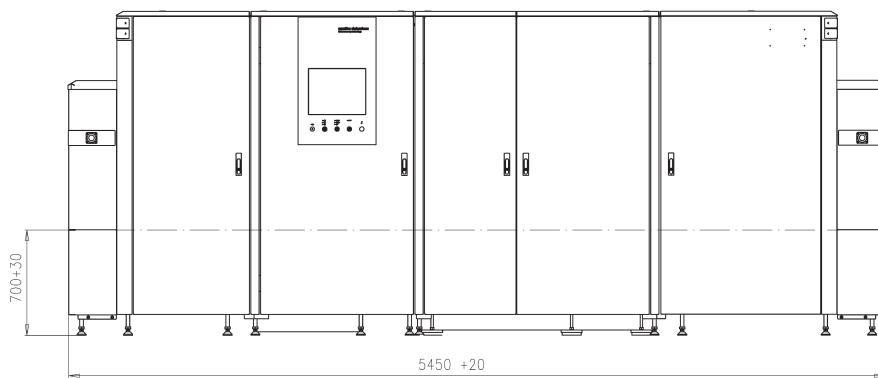
X-ray converter Photodiodes with highly efficient scintillators

**Additional Features** iCMORE Lithium Batteries, iCMORE Dangerous Goods

### 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	+0°C up to +40°C (32°F up to 104°F)
Storage temperature	-15°C up to +60°C (5°F up to 140°F) (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]	2300 x 2160 x 5450mm (90.6 x 85 x 214.6in)
Weight	7650kg (16865lbs)

**Cooling Options** External Chiller, ICC-A, ICC-W



For product information, sales or service, please go to [www.smithsdetection.com/locations](http://www.smithsdetection.com/locations)

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