

# 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**

**EU EDS Standard 3 Approved  
TSA Certified**

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 approved and has passed certification from the United States Transportation Security Administration (TSA).

# Technical Data **HI-SCAN 10080 XCT**

## 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

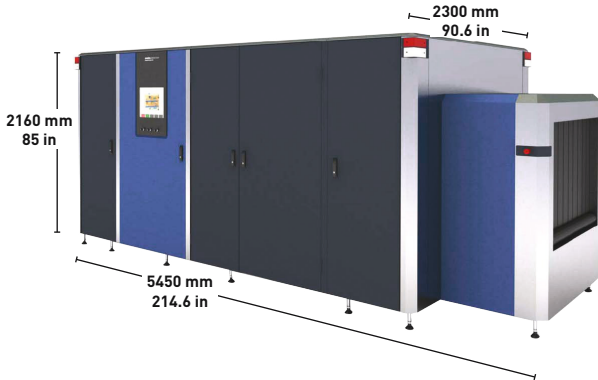
No. of X-ray generators	3
-------------------------	---

## Image Generating System

X-ray converter	Photodiodes with highly efficient scintillators
-----------------	---

## 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, 2004/108/EC, 2006/95/EC
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)



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

Smiths Heimann GmbH, Im Herzen 4, 65205 Wiesbaden, Germany  
Modifications reserved. 95593354 28/10/2014 © Smiths Detection  
HI-SCAN is a trademark of Smiths Detection Group Ltd.



smiths detection