

# CTX 9800 DSi™

## ADVANCED CT-BASED EXPLOSIVES DETECTION



### Feature Highlights

- Belt speed of 0.2, 0.3 or 0.5 m/s
- Throughput of up to 1800 BPH
- Single X-ray generator, dual-energy design
- Proven performance and reliability in live airport operations
- Predictive analytics tools for preventive maintenance

**ECAC EDS Standard 3.1 Approved**  
**ECAC EDS Standard 3 Approved**  
**TSA Certified**  
**CAAC Certified**

Built on a scalable platform, the CTX 9800 DSi is a computed tomography (CT)-based explosives detection system (EDS) that provides high levels of detection and low false alarm rates (FAR) for hold baggage screening.

Designed with upgrade capabilities to meet future detection requirements, the CTX 9800 DSi uses high-resolution 3 dimensional (3D) imagery, precise algorithmic calculations, and dual-energy organic/inorganic image capabilities to quickly identify threats. These imaging tools enhance the analysis of details and specific structures of suspected threats, allowing for efficient security decisions on all checked bags and cargo packages.

An ideal system for fully integrated solutions, the CTX 9800 DSi accommodates integration with totes, and can accept large and elongated bags of up to 2.5 m in length, minimizing the need for separate processing.

Dynamic screening allows the CTX 9800 DSi to change inspection modes automatically on a bag-by-bag basis through commands from the BHS. It also enables inspection options to be adjusted based on security and operational needs or the demands of future screening protocols.

The CTX 9800 DSi is ECAC EDS Standard 3 and 3.1 approved, TSA certified, CAAC certified and IPMO certified.

## General Specifications

<b>Tunnel opening</b>	1020mm (40.2 in.) [max width at conveyor edge], 425mm (16.5 in.) [max height at max. width], 691mm (24.0 in.) [max height at conveyor ctr.], 785mm (30.5 in.) [max width at max. height]
<b>Max. object size [WxHxL]</b>	1000 x 425 x 2500 mm (39.3 x 16.7 x 98.45 in.) at max width 760 x 600 x 2500 mm (30.0 x 23.6 x 98.4 in.) at max height
<b>Conveyor height</b>	889 mm (35.0 in.)
<b>Belt speed</b>	Selectable at 0.2, 0.3, 0.5m/s
<b>Throughput</b>	Up to 1050 or 1800 BPH
<b>Max. conveyor load (evenly distributed)</b>	75kg/m <sup>2</sup> (165lbs/m <sup>2</sup> ) 200 kg (441lbs) total
<b>BHS communication interface</b>	ControlNet; Profibus; Modbus; Modbus TCP/IP; Ethernet, Profinet
<b>Tote integration</b>	ECAC and TSA certified for select totes*

## X-ray Generating System

<b>No. of X-ray generators</b>	1
<b>Maximum tube potential</b>	170 kV
<b>Maximum tube current</b>	5 mA

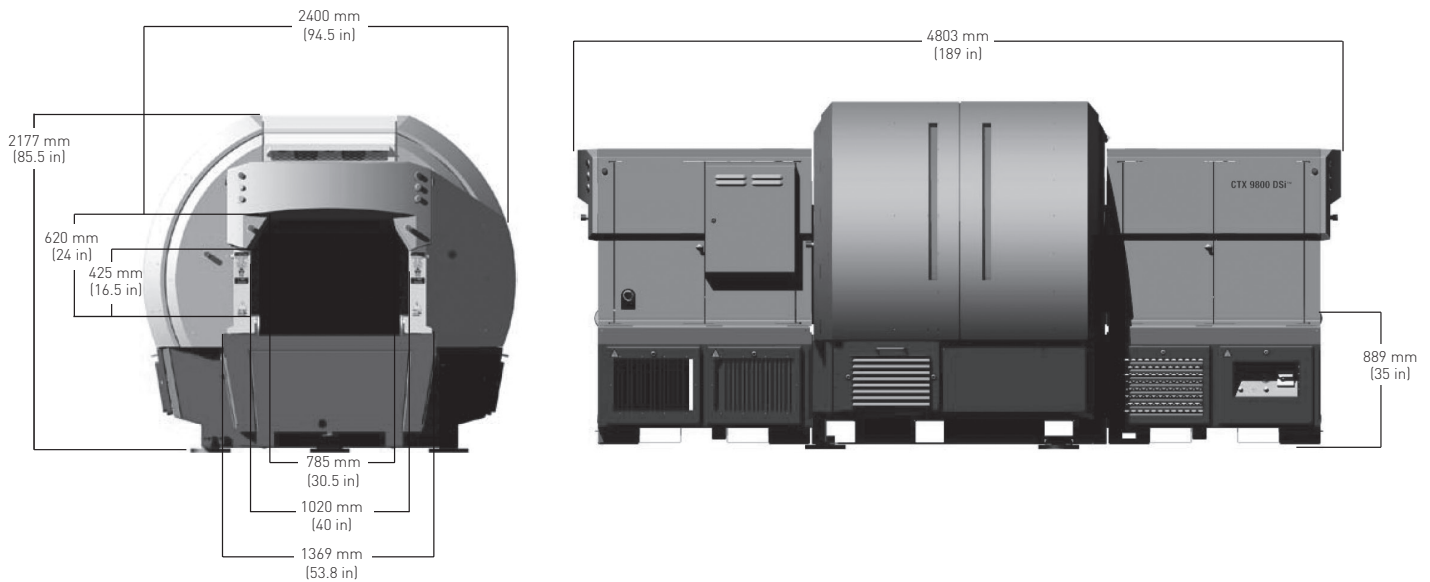
## Installation Data

<b>X-ray leakage</b>	Meets all applicable laws and regulations with respect to X-ray emitting devices
<b>EU directives compliance</b>	In compliance with requirements of 2006/42/EC, 2004/108/EC, 2014/35/EU, 2012/19/EU, 2011/65/EU
<b>Operating temperature</b>	0° to 40°C (32 to 104°F)
<b>Storage temperature</b>	-7 to 49°C (20 to 120°F)
<b>Humidity</b>	10 to 95% noncondensing
<b>Power supply</b>	380V 50Hz, 400V 50Hz, 415V 50Hz or 480V 60Hz, 40 Amp, 3-phase Δ + PE
<b>Power Consumption</b>	max 11.5kVA at 0.5m/s; 13 at 0.3m/s
<b>Dimensions [WxHxL]</b>	2400 x 2177 x 4804 mm (94.5 x 85.5 x 189.1 in.)
<b>Weight</b>	6985 kg (15,400 lbs.) [7802 kg (17,200 lbs.) crated]

## Image Display and Management

<b>Workstation Monitor</b>	2 x 432mm (17.0 in) or 1 x 559mm (22.0 in)
<b>Image Presentation</b>	3D Volumetric Rendering

\*Please contact your Smiths Detection sales representative for more information on tote certification.



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

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