CTX 5800™

COMPACT CT-BASED EXPLOSIVES DETECTION SYSTEM

Key Features & Benefits

- CT competence and design fully owned by Smiths Detection
- High detection with low FAR
- Easy integration into BHS
- Multiplexing solutions with intuitive and simplified user interface
- Serviceability and maintainability
- Lightweight and compact

**ECAC EDS Standard 3 Approved
TSA Certified
CAAC Certifed
IPMO Certifed**

The CTX 5800 is the leading compact solution of checked baggage automatic explosives detection systems (EDS). It is part of the CTX family trusted by airports worldwide to deliver superior detection capabilities that meet ever-expanding security threats.

Its computed tomography (CT)-based system delivers high-resolution 3-dimensional (3-D) imagery. Combined with its precise algorithmic calculations, the CTX 5800 provides an increased ability to identify threats, reduce False Alarm Rate (FAR) and lower operational costs.

Due to its non-intrusive size, advanced detection capabilities and small footprint, the CTX 5800 is ideally suited for space- or weight-restricted environments such as medium and small airports, cargo operations, government buildings, and other critical sites.

The CTX 5800 functions as both a standalone unit and a fully integrated solution with any baggage handling system (BHS). Dynamic screening allows the CTX 5800 to change inspection modes automatically on a bag-by-bag basis through commands from the BHS.

Inspection options can also be adjusted based on security and operational needs or the demands of future screening protocols.

The CTX 5800 is ECAC EDS Standard 3 approved, TSA certified, CAAC certified and IPMO certified.

General Specifications

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Tunnel opening	750mm (29.5in.) [max width at conveyor edge], 400mm (15.7in.)[max height at max. width], 625mm (24.6in.)[max.height at conveyor ctr.]
Max. object size [WxHxL]	200 mm min Long, 2400 mm max Long. 650 W, 400 mm H. -AND- 380 W, 580 H.
Conveyor height	617mm (24.3in.)
Belt speed	0.14m/s
Throughput	up to 400-450BPH
BHS communication interface	ControlNet/100 Base T Ethernet direct to BHS PLC

X-ray Generating System

No. of X-ray generators	1

Installation Data

X-ray leakage	Meets all applicable laws and regulations with respect to X-ray emitting devices
EU directives compliance	In compliance with requirements of 2006/42/EC, 2004/108/EC, 2014/35/EU, 2012/19/EU, 2011/65/EU
Operating temperature	0° to 35°C (32 to 95°F) [up to 0° to 45°C (32 to 113°F) with air conditioning]
Storage temperature	–7 to 49°C (20 to 120°F)
Humidity	10 to 95% noncondensing
Power supply	200 - 240VAC, 50Hz/60Hz, 20Amps, Single Phase
Power Consumption	0.7kw (not scanning) 2.2kw (scanning bags)
Dimensions [WxHxL]	1569 x 1550 x 2614mm (61.78 x 61.03 x 102.92in.)
Weight	2074kg (4,573lbs.) (2644kg (5,830lbs.) crated)

Available Accessories

Flat Infeed / Exit Conveyor

Incline Infeed Conveyor

Long Bag Extension

Exit Slide

Riser

Vertical Viewing Station

Infeed Barcode Reader

Programmable Logic Controller

480v Transformer

Elevated Temperature Kit
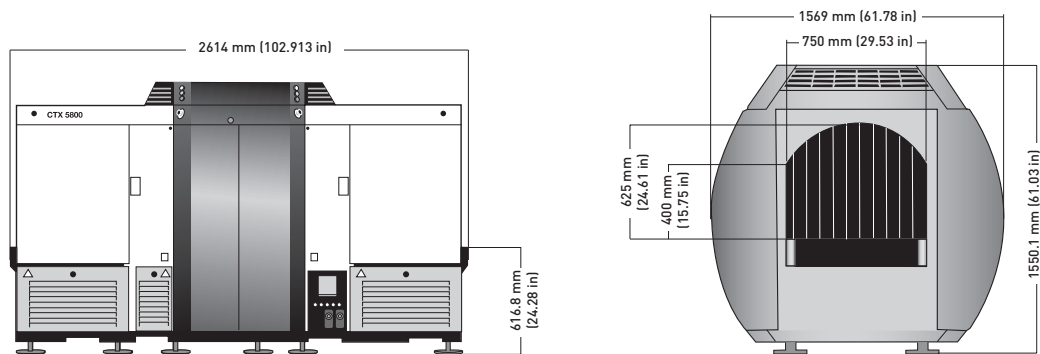
For product information, sales or service, please go to www.smithsdetection.com

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