

# CTX 5800™

## COMPACT CT-BASED EXPLOSIVES DETECTION



### Feature Highlights

- Belt speed of 0.14 m/s
- Throughput of up to 450 BPH
- Single X-ray generator, dual-energy design
- Configurable for integration with BHS or operation as standalone
- Proactive maintenance to protect your investment

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

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

Tunnel opening	750mm [20.5in.] [max width at conveyor edge], 408mm [16in.][max height at max. width], 625mm [24.6in.][max.height at conveyor ctr.]
Max. object size [WxHxL]	750 x 387 x 1200mm [29.5 in. x 15.2 in. x 47.2in.] at max width 242 x 600 x 1200mm [9.5 in. x 23.6 in. x 47.2in.] at max height
Conveyor height	616mm [24in.]
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	max 5.3kVA
Dimensions [WxHxL]	1569 x 1550 x 2614mm [61.78 x 61.03 x 102.92in.]
Weight	2041kg [4,500lbs.] [2449 kg [5,400lbs.] crated]

## Accessories

### Flat Infeed / Exit Conveyor

Dimensions [WxLxH] 912 x 1473 x 759mm; belt level - 610mm [35.9 x 58 x 29.8in.; belt level - 24in.]

Weight 197 kg [435 lbs.]

Power 220 VAC 50/60 Hz / powered by CTX

### Incline Infeed Conveyor

Dimensions [WxLxH] 850 x 145 x 760mm; belt level - 610 to 290mm [33.5 x 57.1 x 30in.; belt level - 24 to 11.4in.]

Weight 185kg [408lbs.]

Power 220VAC 50/60Hz / powered by CTX

### Long Bag Extension

Dimensions [WxLxH] 965 x 1212 x 802 mm [38 x 47.7 x 31.6 in.]

Weight 77kg [170 lbs.]

Power Non-powered

Bag length Unlimited

### Exit Slide

Dimension [WxLxH] 850 x 1700 x 760mm [33.5 x 67 x 30in.] - Bags exiting slide to a padded stop - 190mm (7in.) from floor

Weight 117kg [260lbs.]

Power Non-powered

### Riser

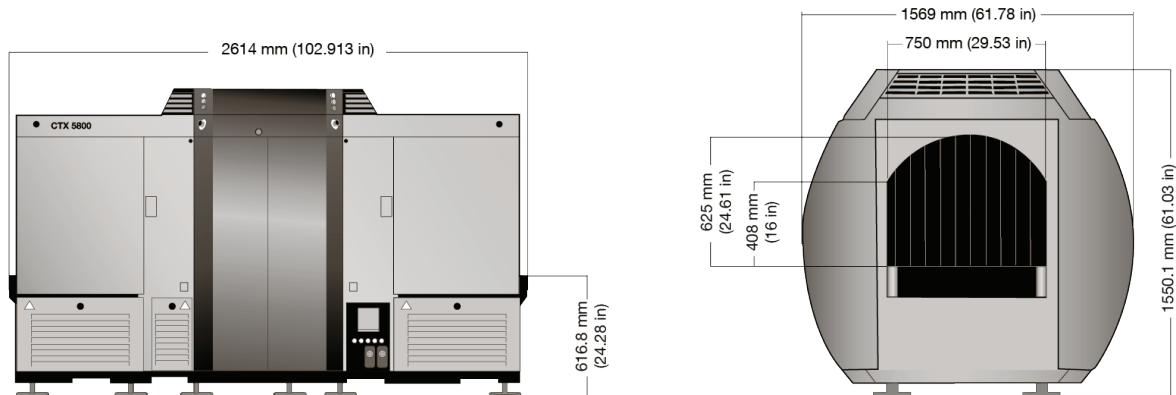
### Vertical Viewing Station

### Infeed Barcode Reader

### Programmable Logic Controller

### 480v Transformer

### Elevated Temperature Kit



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

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