

# CTX 9800 DSi™



## General<sup>1</sup> (includes scanner, input, and output modules)

Overall Dimensions (w x h x l)	2400 mm x 2177 mm x 4803 mm (94.5 in. x 85.5 in. x 189.0 in.)
Tunnel Structure	Rectangular
Tunnel Opening (max. width at conveyor edge)	1020 mm (40.2 in.)
Tunnel Opening (max. height at max. width)	425 mm (16.5 in.)
Tunnel Opening (max. height at conveyor ctr.)	620 mm (24.0 in.)
Tunnel Opening (max. width at max. height)	785 mm (30.5 in.)
Conveyor Height from Floor	889 mm (35.0 in.)
Weight (uncrated)	6713 kg (14,800 lbs.)
Weight (crated)	7802 kg (17,200 lbs.)
Input Power Service (scanner)	380V 50Hz, 400V 50Hz or 480V 60Hz, 40 Amp, 3-phase Δ + PE
Maximum Power Rating	24 kVA
Voltage/Frequency Tolerance	±10%/±1%
Supplied Power Cable	5m (16 ft.), flexible cord with plug
Max. Heat Dissipation	0,3 m/sec: 13 kW +/- 0,5 kW 0,5 m/sec: 9,5 kW +/- 0,5 kW
Warranty	up to 2 years <sup>3</sup>

## Image Display and Management<sup>1</sup>

Workstation Monitor	2 x 432mm (17.0 in) or 1 x 559 mm (22.0 in)
Image Presentation	3D Volumetric Rendering
CT Monitor Resolution	1280 x 1024 (17.0 in) or 1920 x 1080 (22.0 in)

## BENEFITS:

- ECAC Standard 3 approved
- TSA-certified
- Multiplexed
- BHS integrated
- Dynamic Screening, changing detection modes via BHS
- Continuous one-meter wide conveyor belt and tunnel
- Single X-ray-generator, dual-energy design provides 2D and 3D organic/inorganic material discrimination

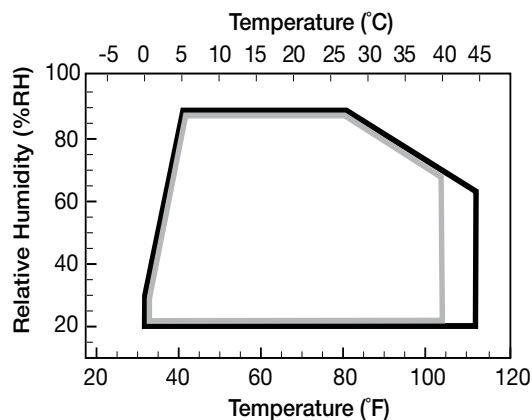
## Image Display and Management<sup>1</sup> (continuation)

User Interface <sup>3</sup>	Soft keys, mouse, keyboard and key-switch
Image Storage <sup>4</sup>	48 hours
Network Ready	Multiplexing (Muxv2™)
Input Power	230/110 VAC: 50/60 Hz; 10/20 Amps

## Environment<sup>1</sup> (operating)

System temperature and humidity operating specifications:

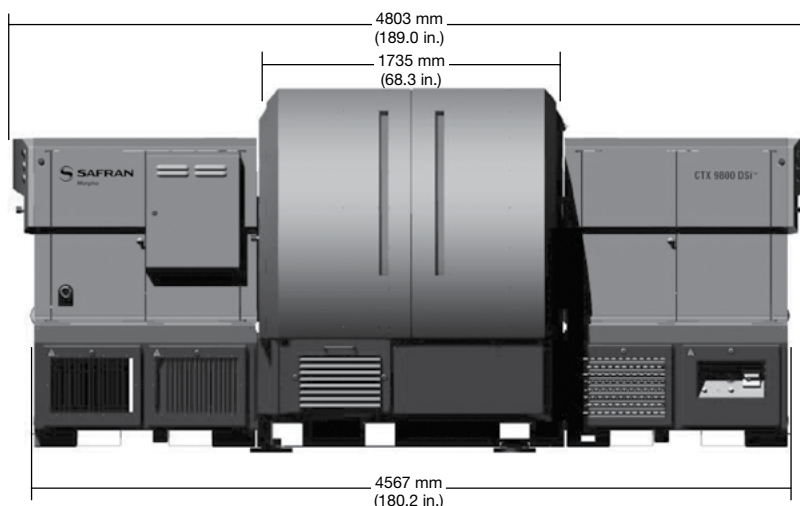
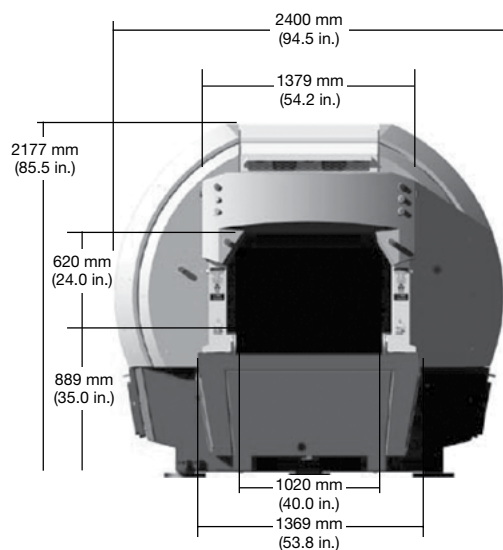
■ = 380 VAC Service ■ = 480 VAC Service



## Optimal Temperature

5 to 38°C (40 to 100°F)

## > Dimensional Drawings (dimensions in millimeters (inches)).



### Environment<sup>1,2</sup> (storage)

Shipping Crates	Not waterproof
Storage	Dry/weather-proof location
Temperature	-7 to 49°C (19 to 120°F)
Relative Humidity	10 to 95% noncondensing

### Luggage<sup>5</sup> (max. cross-sectional dimensions)

At Maximum Width (w x h x l) Long Bag	1000 mm x 425 mm x 2500 mm (39.3 in. x 16.7 in. x 98.45 in.)
At Maximum Height (w x h x l)	760 mm x 600 mm x 2500 mm (30.0 in. x 23.6 in. x 98.4 in.)
Maximum Weight	50 kg (110.0 lbs.)

### Baggage Handling System Interface

Communication Protocols	ControlNet; Profibus; Modbus; Modbus TCP/IP; Ethernet
Discrete Signals	Belt sync. and sensors
Emergency Stop	24VDC
Bag Tracking	Two IDs; Unique ID (IATA) and BHS tracking number
Bag Status (decision)	Upon request by unique ID
Machine Status	On, Off, Fault...with Fault Codes
Meets TSA CBIS Interface Requirements	

## > SAFETY

- Emergency stops
- Radiation Safety conforms to US code of Federal Regulations Title 21, Section 1020.40
- X-ray shielded cabinet with safety interlocks

## > OPTIONAL FEATURES

- CTX™ PLC
- Operator workstation
- Multiplexing capability
- Image archiving
- Extended hours support
- External UPS

- 1 Some items are optional. Ask your Smiths Detection representative for more detailed information.
- 2 Temperatures are dry bulb; humidity is noncondensing.
- 3 Ask your Smiths Detection representative for more detailed information.
- 4 Optional Smiths Detection storage product.
- 5 Values are nominal and dependent on BHS conveyor width.