# conneCT™

## AVIATION SECURITY CHECKPOINT SYSTEM



## Product Overview

**ConneCT** combines Computed Tomography (CT) imaging with advanced explosive threat detection software. The technology allows airports and regulators to permit passengers to leave liquids and electronics in their bags at the screening checkpoints. **ConneCT** reduces the time required by each passenger to divest items resulting in dramatically increased passenger throughput. **ConneCT** features an innovative bearingless mechanical design to improve system reliability and lower the total cost of ownership.



CT Redefined: Reliable Bearingless Wheel Design

**TSA** Certified

**ECAC** Approved

## Highlights

- Full 3D, high resolution imaging for superior threat detection and low false alarms
- 2nd generation high speed CT technology designed to increase passenger throughput
- Innovative bearlingless wheel design eliminates the need to replace costly bearings, lowering the cost of ownership, and dramatically improving system reliability
- Industry's first intuitive touchscreen workstation
- Integrates with leading automated tray return and baggage handling systems
- Compact footprint - easy for airports to upgrade to ConneCT from current 2D X-ray scanners
- Interoperable network architecture supports checkpoint and hold baggage operations, remote image analysis, and system monitoring
- Open architecture ready for 3rd party algorithms

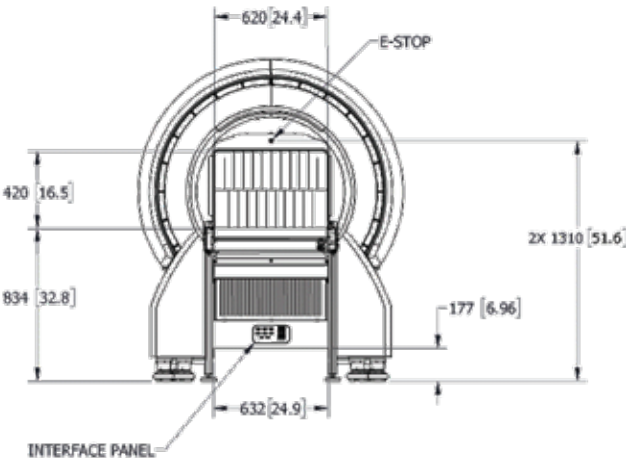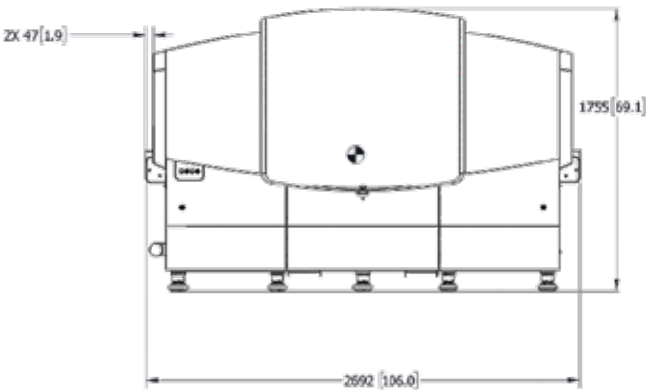# Specifications

## Physical Specifications

| DIMENSIONS | L | 2,692 mm (106 in) |
|---|---|---|
| | W | 1,444 mm (56.9 in) |
| | H | 1,676 mm (66 in) |
| TUNNEL SIZE | W | 620 mm (24.4 in) |
| | H | 420 mm (16.5 in) |
| WEIGHT (scanner only) | | 1,965 kg (4,333 lbs) |
| MAX BAG SIZE | | 100 cm (39.37 in) |

## Environment & Power

| | |
|---|---|
| OPERATING TEMP | 0 to 40 C (32-104 F) |
| OPERATING HUMIDITY | 10 to 90%, non-condensing |
| STORAGE TEMP | -17.8 to 48.9° C (0-120 F) |
| POWER CONSUMPTION | 2.69 kVA |
| POWER REQUIREMENT | 208/230VAC |
| X-RAY VOLTAGE | 160 kV, 5mA |
| DUTY CYCLE | 100% |
| OPERATING NOISE LEVEL | <70dB |
| COMPUTER OS | Linux |

## Performance

| | |
|---|---|
| CONVEYOR SPEED | 15 cm (5.9 in) per sec |
| MAX CONVEYOR LOAD | 160kg (352 lbs) |
| THROUGHPUT | >660 trays per hour (variable tray spacing) |



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