

# RAPISCAN RTT™ 80

Breakthrough CT screening technology with a high return on investment.

Class-Leading High Resolution 3D X-Ray Images

Scanning Speed of .50 meters per second

Flexible System Configuration for Easy Integration

Lowest Total Operating Costs



## Breakthrough Technology for EDS

With its stationary gantry and industry leading image quality, the RTT™ is revolutionizing the EDS market by significantly lowering cost of ownership. The RTT's high quality full volumetric CT images enable the advanced automated explosives detection algorithms to provide exceptionally high levels of detection with class leading image quality and low false alarm rates.

## High Scanning Speed Gives Flexibility

The RTT™ is designed to allow screening to the highest levels of security at the first point of screening. The versatility of RTT allows it to be used as a high speed in-line system at the first level of screening, as a level 3 system in a multi-level screening system or due to its compact size it is ideally suited for concourse applications.

## Advanced Fast Detection Algorithms

High speed reconstruction provides high resolution CT data to detection algorithms allowing the detection of the full range of explosive threats. By determining the presence and position of a threat, the industry leading resolution allows optimal performance for the detection of materials in configurations typically difficult to detect.

## Robust Design

The Rapiscan RTT™ employs a stationary gantry design, low parts count, and has multiple layers of network redundancy designed to ensure the highest levels of system availability and fail-safe operation for the most demanding aviation security environments.

## Regulatory Compliance

The RTT™ 80 meets ECAC Standard 3 for EDS and is STP Compliant to provide future-proof screening for years to come.

Tunnel Opening (width x height):  
D-shaped 730 x 539 mm (28.7 x 21.2 in)

## Product Highlights

EU ECAC Standard 3 Approved Explosives Detection System

Stationary CT Gantry providing significantly higher reliability and system availability

Full speed scanning at .5 m/s

Full volumetric CT continuous scanning

Fast advanced baggage reconstruction and explosives detection algorithms - level 1 decision before the bag exits the machine

HBS class-leading high resolution 3D X-ray images and low false alarm rates

Built-in flexible system configuration, to fit into any BHS architecture or security system

Modular chassis design allows installation flexibility

Easily integrated into any baggage handling system

Multiplex capabilities of more than 40 systems and 120+ workstations



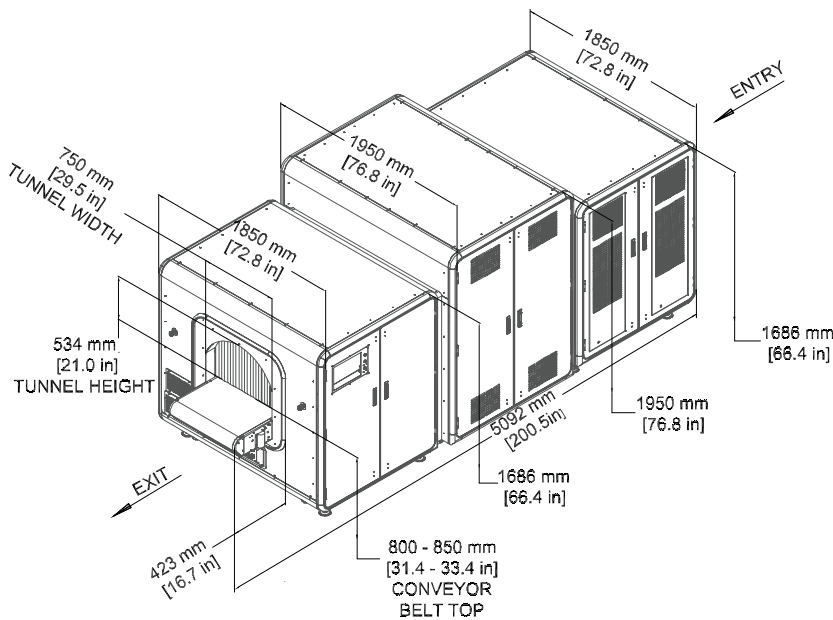
**Rapiscan**<sup>®</sup>  
systems

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## Specifications

Realizable Throughput	Up to 1800 BPH, 0.5m/sec conveyor, non-stopping
Dimensions (LxWxH)	5,042 x 1,950 x 1,950 mm (198.5 x 76.0 x 76.0 inches)
Service Area	1 meter on each side, no additional access required above or at ends
Environmental Operating Envelope	0° to 40° C (32° to 107° F) and 10% to 90% non-condensing humidity at sea level.
Weight	5,024 Kg (11,076 lbs)
Floor Loading	929 Kg /m <sup>2</sup>
Useful Life + Life after Refurbish	10 years



With continual development of our products Rapiscan Systems reserves the right to amend specifications without notice. Product pictures are for general reference. Please note that due to US laws and regulations, not all Rapiscan products are available for sale in all countries without restriction. Please contact your Rapiscan Systems sales representative for more information.

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Rapiscan Systems is  
ISO 9001:2008 Certified