920 CT

Rapiscan® systems
An OSI Systems Company

DATASHEET



920CT is the new Rapiscan® Systems checkpoint screening system for aviation cabin baggage. It provides the highest resolution full 3D image allowing the highest degree of On Screen Inspection and Resolution (OSIR) for the operator reducing the need to manually search open bags.

- INDUSTRY LEADING FULL 3D IMAGE RESOLUTION
- BEARING FREE & INDUCTIVE COUPLING CT TECHNOLOGY
- FUTURE PROOF TECHNOLOGY
- FULL INTEGRATION
- ECAC APPROVED

EU ECAC C2 APPROVED

EU ECAC C3 APPROVED

US TSA APSS 6.2 LEVEL 0 APPROVED

INDUSTRY LEADING FULL 3D IMAGE RESOLUTION

920CT allows highest degree of On Screen Inspection and Resolution (OSIR) for image analysis of both automated alarms as well as other prohibited items.

DENSITY THREAT ALARM

Alerts operators upon detection of highly dense objects to identify items that otherwise may be missed by an operator.

PATENTED DUAL-ENERGY TECHNOLOGY

Provides unsurpassed automatic detection of explosives.

3D THREAT IMAGE PROJECTION (TIP)

Based on the latest regulatory requirements.

FULL INTEGRATION

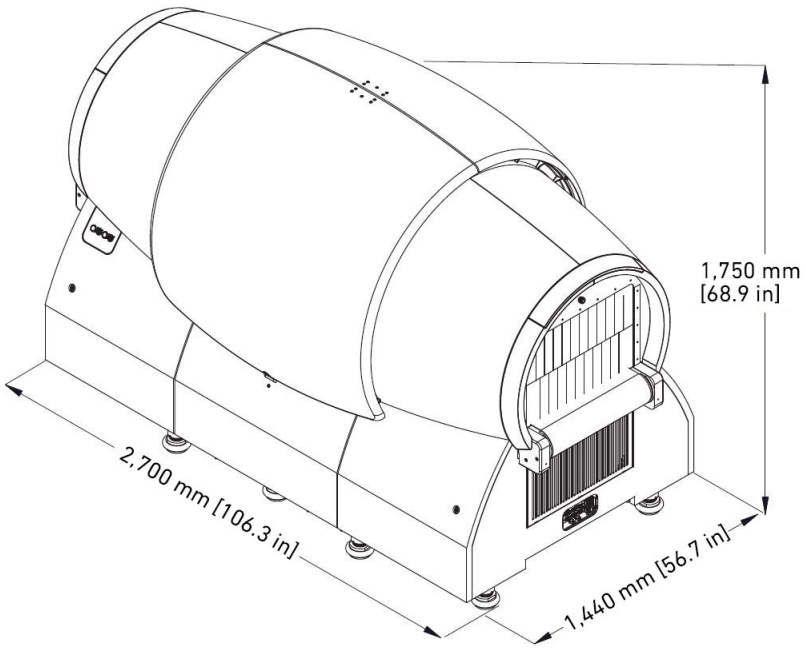
Integrates with leading automated tray return and baggage handling systems including Rapiscan® System TRS™.

INDUSTRY'S FIRST TOUCHSCREEN WORKSTATION

Proven instinctive gesture for speed, ease of use and focus on security.

COMPACT FOOT PRINT, AESTHETIC DESIGN

Creates a passenger-pleasing airport environment.



PHYSICAL SPECIFICATIONS

DIMENSIONS	L	2,700 mm (106.3 in)
	W	1,440 mm (56.7 in)
	H	1,750 mm (68.9 in)
TUNNEL SIZE	W	620 mm (24.4 in)
	H	420 mm (16.5 in)
CONVEYOR HEIGHT		840 mm (33.1 in)
WEIGHT (APPROX)		1982 Kg (4,370 lbs)

ENVIRONMENT & POWER

STORAGE TEMPERATURE	-7°C to 49°C
OPERATING TEMPERATURE	0°C to 40°C
RELATIVE HUMIDITY	10 to 90% non-condensing
SYSTEM POWER	208/230VAC, 20 Amps
SOUND PRESSURE	<70dBA

PERFORMANCE

CONVEYOR SPEED	0.15 m/sec (39.4 ft./min)
CONVEYOR LOAD	135 Kg (297.6 lbs)

X-RAY GENERATOR & IMAGE PERFORMANCE

ANODE VOLTAGE	160kV
TUBE CURRENT	5mA

PRODUCT OVERVIEW

920CT utilizes a patented Dual-Energy technology and sophisticated algorithm providing the highest level of automatic detection of highly dense items as well as automatic detection of explosives based on the most stringent global regulatory requirement.

The system design is based on proven Computed Tomography (CT) medical technology that resolves the challenges of today and tomorrow, facing regulators and airport. The technology behind 920CT, allows large electronics and liquids to remain in the bag as a result of the highest level of threat detection capability.

920CT can easily integrate with Rapiscan® Systems security checkpoint Tray Return System (TRS™). The harmonious combination of 920CT and TRS™ creates a seamless experience for airports by strengthening security, increasing passenger throughput, increasing staff efficiency, with an enhanced footprint that provides the best passenger experience, therefore keeping the checkpoint flowing quickly and efficiently. It is a proven design for maximum passenger throughput with the lowest number of bag rejects.

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Rapiscan® Systems is ISO 9001:2015 Certified

Rapiscan® Systems' cabinet X-ray products comply with all applicable U.S. FDA and equivalent international regulatory agency requirements, contained in the cabinet X-ray radiation safety performance standard [21 CFR 1020.40] and the general performance standard [21 CFR Part 1010] as well as IEC standard 61010-2-091. Rapiscan® baggage and parcel inspection systems radiation emission leakages are well below the required regulatory limits with less than 1µSv/hr at 10 cm from all surfaces of cabinet X-ray.

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.