SEE INSIDE THE FUTURE

920 CT
We believe in a future that is safe for everyone, which is why at Rapiscan® Systems we are committed to providing the best possible solutions to meet your needs.

As a leader in security screening we are proud to introduce the 920CT.

The 920CT is designed to advance aviation cabin baggage screening into the future. It improves passenger experience while increasing their safety.

MAL MAGINNIS
PRESIDENT, RAPISCAN SYSTEMS
920CT is intelligent. It can detect threats quickly and make decisions based on what it sees. It’s intuitive and simple-to-use touch screen paired with its 360-degree image view, makes inspection easier and faster.

It provides the highest resolution 3D image allowing the highest degree of On Screen Inspection and Resolution (OSIR) for the operator reducing the need to open and manually search bags for both explosives and other contraband.
With ever-increasing global threats and new regulations being introduced, the 920CT gives you state of the art technology designed to meet the strictest of current and future regulations all within a contemporary design.

920CT utilizes cutting-edge Dual-Energy technology and sophisticated algorithms to provide the highest level of automatic detection of explosives and the detection of densely shielded areas meeting stringent global standards.

The software and detection algorithms have been designed to be easily upgraded in the future to meet new standards and requirements as they are developed.
Our system causes less stress for passengers as they will be able to leave their large electronics and ultimately their liquids in the bag, meaning they spend less time at the checkpoint and more time utilizing the rest of the airport.

The system architecture is based on proven medical Computed Tomography (CT) technology that resolves today’s and tomorrow’s challenges facing regulators and airports.
THE PERFECT COUPLE

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 and staff efficiency. In conjunction with an optimal layout it 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 rejected passenger bags.
GLOBAL PEACE OF MIND

With our experienced customer service team, that reaches every corner of the globe, you can be confident your project runs smoothly from design to installation and beyond to continued support.

The 920CT has a contactless gantry by using cutting-edge bearing free and inductive coupling technology. This offers friction-free, non-contact operation, alongside higher speeds, better reliability, and less noise resulting in reduced maintenance costs and higher operational availability.
AT RAPISCAN SYSTEMS WE LOOK TO THE FUTURE WHICH IS WHY WE BELIEVE 920CT IS THE PERFECT CHECKPOINT SCREENING SOLUTION FOR TODAY AND TOMORROW
TECHNICAL SPECIFICATIONS

INDUSTRY LEADING FULL 3D IMAGE RESOLUTION
920CT’s intuitive GUI design provides the highest 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.

FUTURE PROOF TECHNOLOGY
The software and detection algorithms have been designed to be easily upgraded in the future to meet new standards and requirements.

COMPACT FOOTPRINT, AESTHETIC DESIGN
Creates a passenger-pleasing airport environment.

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™.

CONTACTLESS & BEARING FREE GANTRY CT
Eliminates bearings and slip rings wear increasing operational availability and reducing maintenance cost.

INTUITIVE TOUCHSCREEN WORKSTATION
Proven intuitive interface for ease of use giving speed, accuracy and improved security.

CUTTING-EDGE DUAL-ENERGY TECHNOLOGY
Provides unsurpassed automatic detection of explosives.

MEETS THE MOST STRINGENT GLOBAL REGULATORY REQUIREMENTS
920CT is EU/ECAC C2 Approved and is under development for EU/ECAC C3.

Rapiscan Systems baggage and parcel inspection systems radiation emission leakages are well below the required regulatory limits with less than 1 μSv/hr. at 10 cm from all surfaces of cabinet X-ray.

**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 SPEED**
- 0.15 meters per second

**CONVEYOR LOAD (MAX)**
- 136 kg / 299.8 lbs.

**CONVEYOR HEIGHT**
- 840 mm / 33.1 in

**APPROX WEIGHT**
- 1,982 Kg / 4,370 lbs.

**POWER REQUIREMENT**
- 208/230 VAC, 20 Amps

**POWER CONSUMPTION**
- < 3 kW

**X-RAY GENERATOR**
- **ANODE VOLTAGE** 160 kV
- **TUBE CURRENT** 5 mA

**ENVIRONMENTAL**

**STORAGE TEMPERATURE** -7°C — 49°C

**OPERATING TEMPERATURE** 0°C — 40°C

**RELATIVE HUMIDITY** 10 to 90%, non-condensing

**SOUND PRESSURE** < 70dBA

**HEALTH & SAFETY**


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