

Rapiscan 524

Rapiscan
systems

An OSI Systems Company

BAGGAGE AND PARCEL INSPECTION

Designed for Rolling Baggage

Easy Loading

Tall Tunnel

Small Footprint



The **Rapiscan 524** is a dual energy X-ray system specially designed for rolling baggage. Baggage is placed on the low conveyor in a vertical orientation for easy loading and unloading. Dual energy imaging provides automatic color coding of materials with different atomic numbers so that screeners can easily identify objects within the parcel.

The **Rapiscan 524** has a tall tunnel opening of 550mm (21.6 inches) wide by 850mm (33.4 inches) high.

CUSTOMER SUPPORT SERVICES

Our team is dedicated to providing a prompt, effective and personalized response that exceeds your expectations. With spare parts inventory and skilled technicians all over the world, you can be certain Rapiscan Systems will always be prepared with a solution to address your requirements. By measuring response time, parts delivery and support status, our team embraces a customer centric philosophy to ensure continual improvement of our products and services.

FEATURES & OPTIONS

Network Display Station (NDS):

NDS improves threat detection, throughput, and simplifies operating procedures by enabling the operator performing a manual search of suspect bags to reconcile the actual bag contents with the scanned image.

Network Management System (NMS):

Allows a supervisor to monitor the performance of many X-ray checkpoints in a large facility from a single location.

Enhanced Performance X-ray (EPX):

Enables consistent detection of materials having characteristics of explosives, narcotics, gold, currency and agricultural products.

Operator Training Program (OTP):

OTP enables the X-ray system to be used as a training terminal without running parcels.



ONE COMPANY - TOTAL SECURITY

BAGGAGE AND PARCEL INSPECTION

PHYSICAL SPECIFICATIONS

Dimensions: Length: 3,464 mm (136.37 in.)
Height: 1,295 mm (50.98 in.)
Width: 1,352 mm (53.52 in.)

Tunnel Size: 550 mm(W) x 850 mm(H). (21.6 x 33.4 in.)

Conveyor Speed: 0.22 m/sec (44 ft/min)
depending on customers requirements

Conveyor Load: 165Kg (365 lbs) evenly distributed

Approx Weight: Net: 560 Kg (1,232 lbs)
Gross: 760 Kg (1,672 lbs)

System Power: 115 VAC +/- 10% / 50 or 60Hz / 10Amps max
or 230 VAC +/- 10% / 50 or 60Hz / 5Amps max

Unit is mounted on heavy casters for ease of movement

X-RAY IMAGE PERFORMANCE

Resolution: 38 AWG guaranteed, 40 AWG typical

Penetration: 27 mm guaranteed, 29 mm typical

Material Separation: Low Z, Medium Z, High Z to 0.5 Z accuracy

X-RAY GENERATOR

Cooling: Sealed oil bath with forced air

Anode Voltage: 160KV rated, operating @ 140KV

Tube Current: 0.7 mA typical

Orientation: Horizontal

COMPUTER SPECIFICATIONS

Processor Speed: Intel Pentium® Processor currently available

Monitor: 17" XGA color, high refresh, non-flicker

Memory: 64 MB RAM minimum

Video Memory: 16 MB minimum

Hard Disk Drive: 40 GB minimum

CD-ROM Drive: 54X

Floppy Disk: 1.44 MB

Access to keyboard port and parallel port is provided by means of a lockable access panel on the outside of the system.

OPERATING ENVIRONMENT

Storage Temperature: -20°C to 50°C

Operating Temperature: 0°C to 40°C

Relative Humidity: 5 to 95% non-condensing

HEALTH & SAFETY

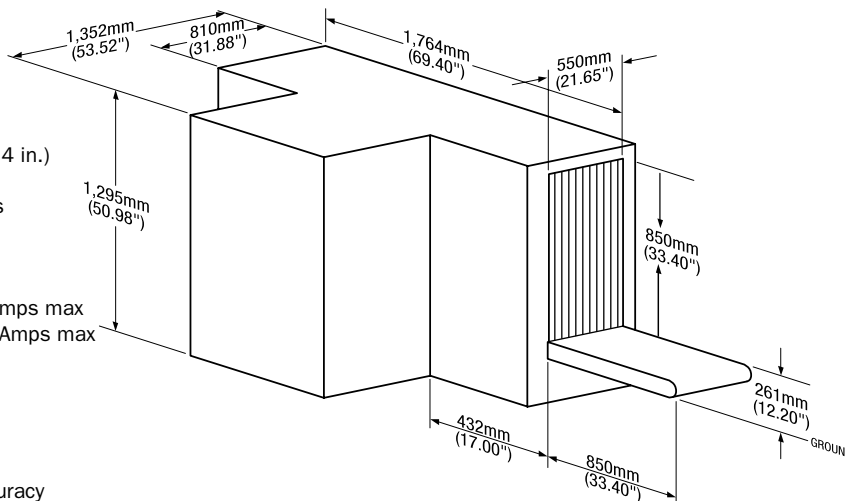
All Rapiscan Systems products comply with applicable international health and safety regulations including USA FDA X-ray systems (Federal Standard 21CFR 1020.40) and Health and Safety at Work Act 1974-section 6, Amended by the Consumer Protection Act 1987. Maximum leakage radiation less than 0.1mR/hr (1µ Sv/hr) in contact with outer panels.

Film Safety: For ISO 1600/33 DIN, guaranteed up to 10 times exposure to radiation.

CE Compliance: Yes

FCC & IEC Compliance: Yes

With continual development of our products Rapiscan Systems reserves the right to amend specifications without notice.



STANDARD FEATURES	OPTIONS
Crystal Clear™	Flat Panel LCD Monitor
Multi Energy Imaging (4 color)	Enhance Performance X-ray (EPX)
Density Threat Alert	Target™-Screener Assist Technology
Variable Edge Enhancement	Network Display Station (NDS)
High/Low Penetration	Network Management System (NMS)
Variable Gamma	Power Conditioner
Inverse Video	Secure Workstation
Pseudo Color	Remote Workstation
Variable Density Zoom	Conveyor Accessories
Organic/Inorganic Stripping	Foot-mat
Black and White Viewing	UPS (Uninterrupted Power Supply)
Variable Color Stripping	VCR Output
Zoom	Video Printer
View previous bag	Automatic Image Archiving
Manual Image Archiving	High Penetration
Baggage Counter	
Search Indicator	
Date/Time display	
Full diagnostic built in test facility	
Operator Training Program (OTP)	

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