

# Rapiscan 522B

**Rapiscan**  
systems

An OSI Systems Company

## BAGGAGE AND PARCEL INSPECTION

Wider Tunnel

Full Featured

Dependable

Large Parcels



The dual energy **Rapiscan 522B** is one of our most widely deployed X-ray systems. Dual energy imaging provides automatic color coding of materials with different atomic numbers so that screeners can easily identify objects within the parcel. The dependable **522B** offers a full range of options and excellent image quality.

The **Rapiscan 522B** has a larger tunnel opening of 750mm (29.5 inches) x 550mm (21.6 inches) to accommodate larger luggage and parcels which cannot be screened with other X-ray systems.

### 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

#### Threat Image Projection (TIP):

TIP inserts digital threat images at configurable frequencies into the regular flow of bags. TIP is a reliable method for continually improving the skill level of screeners and is the preferred training method used by regulatory agencies worldwide.

#### 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: 2,780 mm (109.5 in.)  
Height: 1,475 mm (58.1 in.)\*  
Width: 1,050 mm (41.3 in.)  
Tunnel Size: 750 mm(W) x 550 mm(H). (29.53 x 21.65 in.)  
Conveyor Speed: 0.2 m/sec (40 ft/min)  
Conveyor Load: 165Kg (365 lbs) evenly distributed  
Approx Weight: Net: 620 Kg (1,367 lbs)  
Gross: 783 Kg (1,726 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

\*Nominal height +1 inch adjustments

### 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: Vertically Upward

### 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 machine.

### 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

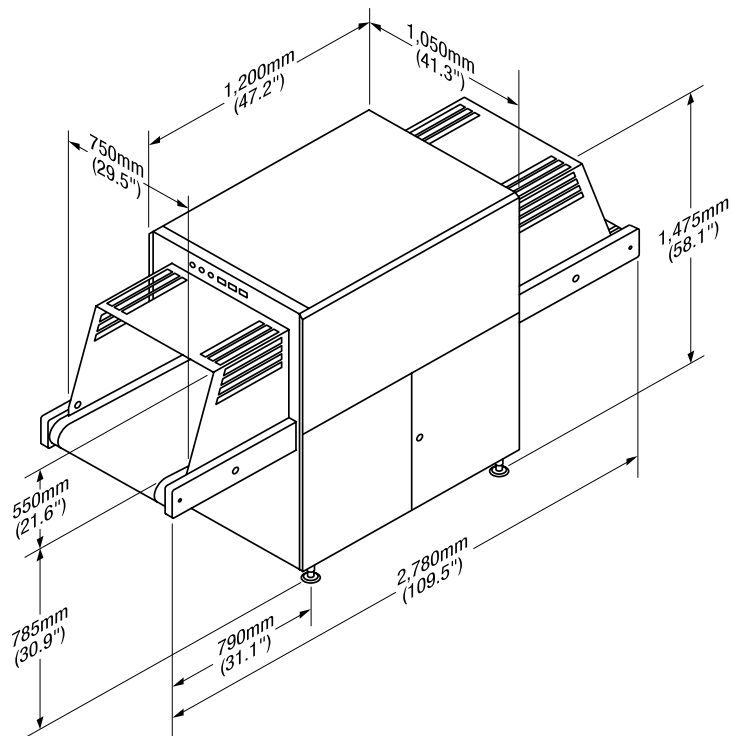
All Rapiscan Systems products comply with applicable international health and safety regulations including USA FDA X-ray systems (Federal Standard 21CFR 1020.40) and Health and Safety at Work Act 1974-section 6, Amended by the Consumer Protection Act 1987. Maximum leakage radiation less than 0.1mR/hr (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	Threat Image Projection (TIP)
Variable Edge Enhancement	TIP Network
High/Low Penetration	Target™-Screener Assist Technology
Variable Gamma	Network Display Station (NDS)
Inverse Video	Network Management System (NMS)
Pseudo Color	Power Conditioner
Variable Density Zoom	Secure Workstation
Organic/Inorganic Stripping	Remote Workstation
Black and White Viewing	Conveyor Accessories
Variable Color Stripping	Foot-mat
Zoom	UPS (Uninterrupted Power Supply)
View previous bag	VCR Output
Manual Image Archiving	Video Printer
Baggage Counter	Automatic Image Archiving
Search Indicator	Auto Reject Unit
Date/Time display	High Penetration
Full diagnostic built in test facility	
Operator Training Program (OTP)	

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