

Rapiscan 528

Rapiscan[®] systems

An OSI Systems Company

BAGGAGE AND PARCEL INSPECTION

Small Cargo Screening

High Resolution

High Penetration Option

Easy Loading



1,000mm x 1,000mm tunnel size system is shown

The dual energy **Rapiscan 528** is designed for customers requiring inspections of checked baggage and small cargo. The low conveyor allows for easy loading and unloading of parcels and small cargo. 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 528** can be used as a standalone device or integrated into an existing baggage conveyor system.

The **Rapiscan 528** has a standard tunnel opening of 1,000mm (39.4 inches) x 1,000mm (39.4 inches).

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

High Resolution (HR): The built-in High Resolution feature guarantees resolution of 38 AWG, but typically provides resolution up to 40 AWG.

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.

Two Tunnel Configurations: The X-ray system is available in two tunnel sizes; 1,000mm(W) x 1,000mm(H) and 1,000mm(W) x 770mm(H).

High Penetration (HP): This option provides 35mm steel penetration using a 180KV generator.



ONE COMPANY - TOTAL SECURITY

BAGGAGE AND PARCEL INSPECTION

PHYSICAL SPECIFICATIONS

Dimensions: Length: 3,944 mm (155.2 in.)
 Height: 2,125 mm (83.6 in.)*
 Width: 1,430 mm (56.3 in.)
 Tunnel Size: 1,000 mm (W) x 1,000 mm (H) (39.37 x 39.37 in.)
 Conveyor Speed: 0.2 m/sec (40 ft./min)
 Max Load: 165 Kg (365 lbs) evenly distributed
 Approx Weight: Net: 1,400 Kg (3,080 lbs)
 Gross: 1,650 Kg (3,630 lbs)
 System Power: 120 VAC +/- 10% / 60Hz / 10 Amps max
 or 230 VAC +/- 10% / 50Hz / 5 Amps max

Unit is mounted on heavy casters for ease of movement

*Nominal height +1 inch adjustments

X-RAY GENERATOR AND IMAGE PERFORMANCE

Wire Resolution: 38 AWG guaranteed, 40 AWG typical
 Steel Penetration: 27 mm guaranteed, 29 mm typical
 Material Separation: Low Z, Medium Z, High Z to 0.5 Z accuracy
 Cooling: Sealed oil bath with forced air
 Anode Voltage: 160KV rated, operating at 140KV
 Tube Current: 0.7 mA typical
 Orientation: Vertically Downward

HIGH PENETRATION OPTION (HP)

Steel Penetration: 35 mm guaranteed
 Wire Resolution: 38 AWG guaranteed, 40 AWG typical
 Anode Voltage: 180KV rated, operating at 160KV
 Tube Current: 1mA typical

COMPUTER SPECIFICATIONS

Processor Speed: Intel Pentium® Processor currently available
 Monitor: 17" XVGA 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

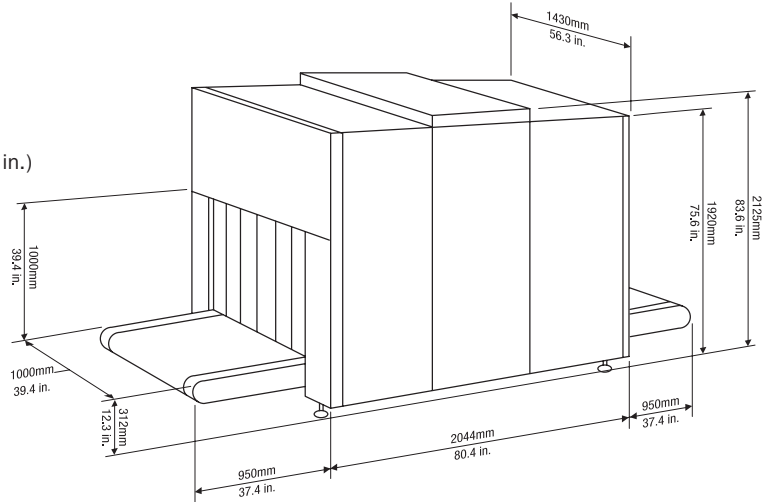
All Rapiscan Systems products comply with applicable international health and safety regulations including USA FDA X-ray systems (Federal Standard 21CFR 1020.40) and Health and Safety at Work Act 1974-section 6, Amended by the Consumer Protection Act 1987. Maximum leakage radiation less than 0.1mR/hr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

ISO 9001:2000 Certified

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)	Network Display Station (NDS)
Density Threat Alert	Network Management System (NMS)
Variable Edge Enhancement	Power Conditioner
High/Low Penetration	Secure Workstation
Variable Gamma	Remote Workstation
Inverse Video	Conveyor Accessories
Pseudo Color	Foot-mat
Variable Density Zoom	UPS (Uninterrupted Power Supply)
Organic/Inorganic Stripping	VCR Output
Black and White Viewing	Video Printer
Variable Color Stripping	Automatic Image Archiving
Zoom	High Penetration X-ray Generator
View Previous Bag	Low Resolution
Manual Image Archiving	Tunnel Opening of 1,000mm (W) x 770mm (H) (will change overall dimensions)
Baggage Counter	
Search Indicator	
Date/Time Display	
Full Diagnostic Built In Test Facility	
Operator Training Program (OTP)	
Enhance Performance X-ray (EPX)	
High Resolution	

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