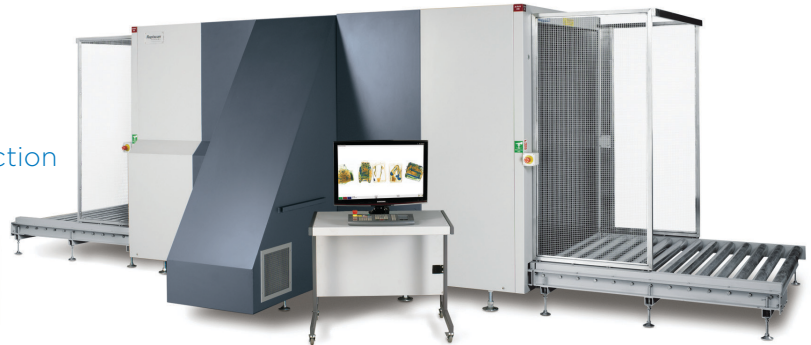# RAPISCAN 638XR

Easy loading conveyor and large tunnel for screening of ULD type Freights and ISO Standard Pallets.

Advanced Cargo Screening

Large Pallet Cargo

Automatic Explosives and Narcotics Detection

Cost Effective

The Rapiscan 638XR is an advanced X-ray system for screening of ULD type, ISO standard, lower deck and large cargo pallet type freights. It has a high tunnel opening of 1,837 mm x 1,800 mm and uses innovative screening technology with automatic explosives and narcotics detection, to generate an outstanding high resolution view of the object under inspection.

Automatic Detection of Explosives

Target™ automatically detects a wide range of explosives in real time during the scanning process by visibly highlighting a potential threat on the X-ray image..

Automatic Detection of Narcotics

NARCScan™ automatically detects a wide range of narcotics in real time during the scanning process by visibly highlighting a potential threat on the X-ray image.

Meeting Today's Most Stringent Global Requirements

Rapiscan 638XR meets the most rigorous detection and image quality requirements as set by the U.S. Transportation Security Administration (TSA), U.K. Department of Transport (DfT), and French civil aviation authority (STAC).

Greatest Number of Operator-Assist Tools Enables Highest Throughput

With over 13 image processing tools and multiple automatic detection functions, the feature rich software helps the operator easily and accurately detect contraband for the highest throughput and least operator fatigue.

Regulatory Compliance

Rapiscan 638XR image quality performance is in compliance with regulation (EC) No. 300/2008. In addition, Rapiscan 638XR Threat Image Projection (TIP) is in compliance with regulation (EU) No. 185/2010.

Tunnel Opening (width x height):
1,837 x 1,800 mm (72.3 x 70.9 in)

Standard Features

Multi Energy Imaging (4 Color)

View Previous/Next Bag

Manual Image Archive

Configurable Image Processing Keys

Baggage Counter

Date / Time Display

Search Indicator

UPS (Uninterrupted Power Supply)

Remote Workstation

Flat Panel Monitor

Standard Image Processing Functions

Crystal Clear™

Black and White

Organic / Inorganic Stripping

Inverse Video

High Penetration

Pseudo Color

Low Penetration

Variable Edge Enhancement

Variable Color Stripping

Variable Gamma

Variable Density

Dynamic Continuous Zoom & Panning

Fixed Zoom (64x)

Rapiscan® systems

An OSI Systems Company

www.rapiscansystems.com

RAPISCAN 638XR

Physical Specifications

Dimensions:	Length: 9,440 mm (371.7 in.)
	Width: 3,116 mm (122.7 in.)
	Height: 2,394 mm (94.3 in.)
Tunnel Size:	1,837 mm (72.3 in.) X 1,800 mm (70.9 in.)
Conveyor Speed:	0.20 m/sec (39.4 ft./min)
Conveyor Load:	3,000 Kg (6,614 lbs) evenly distributed at 230 V
	1,500 Kg (3,307 lbs) evenly distributed at 115 V
Conveyor Height:	345 mm (13.6 in.)
Approx Weight:	Net: 4,774 Kg (10,525 lbs)
System Power:	115/230 VAC ±10%, 60/50Hz

X-Ray Generator and Image Performance*

Steel Penetration:	45 mm guaranteed, 50 mm typical
Wire Resolution:	38 AWG guaranteed, 40 AWG typical
Material Separation:	Low Z, Medium Z, High Z to 0.5 Z accuracy
Cooling:	Sealed oil bath with forced air
Anode Voltage:	Operating at 200kV
Tube Current:	1.0 mA
Orientation:	Horizontal

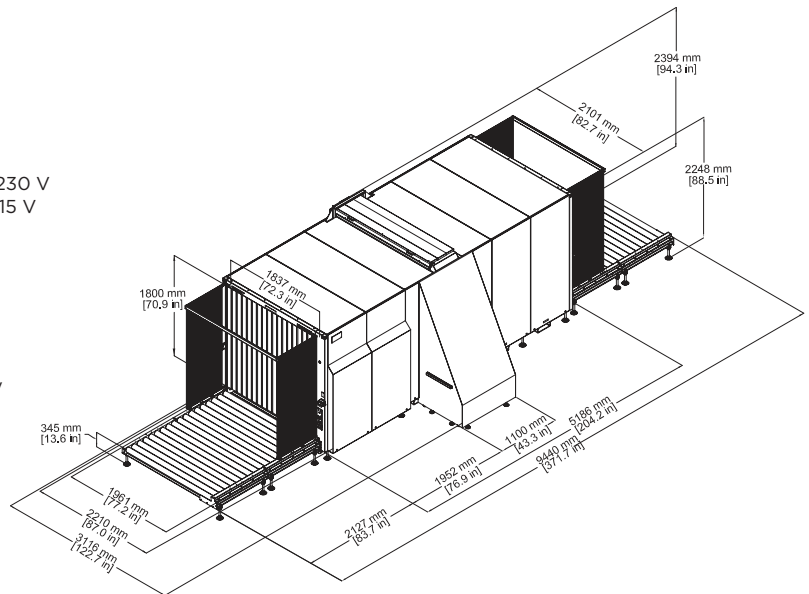## Operating Environment

Storage Temperature:	-20°C to 50°C
Operating Temperature:	0°C to 40°C
Relative Humidity:	5 to 95% non-condensing

Health & Safety

Rapiscan Systems' cabinet X-ray products comply with all applicable US 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]. Rapiscan Systems certifies each cabinet X-ray product has a maximum radiation emission leakage of less 1 µSv/hr (0.1 mR/hr) from all external surfaces of the cabinet X-ray system.

Options and Accessories

Target™ / Interactive Target™
(Automatic detection of solid explosives)

NARCScan™
(Automatic detection of narcotics)

Density Threshold Alert (DTA)

Threat Image Projection (TIP)

Threat Image Projection Network (TIPNet)

NETView™
(Remote network image archive review)

NEXLink™
(Advanced network X-ray management automation and link system)

Multi-System Alarm Resolution Network Display Station (NDS)

Automatic Image Archiving

Enhanced Image Archiving

Computer Based Operator Training (CBT)

Operator Training Program (OTP)

Manual Scan

Foot-mat

Optical Operator Presence Sensor

SmartCard Login

Power Conditioner

Roller Bed Accessories

Universal Printer Support

*Stated performance as measured by Rapiscan Imaging Validation Test Kit.

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.

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Rapiscan Systems is
ISO 9001:2008 Certified

ONE COMPANY - TOTAL SECURITY

www.rapiscansystems.com

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