

## DRIVE-THROUGH PORTAL SCANNER WITH A 6 MEV X-RAY IMAGING SYSTEM.

HIGH THROUGHPUT SOLUTION

INSPECT DENSE CARGO WITH POWERFUL 6 MEV X-RAY IMAGING

FULLY AUTOMATED SCANNING OPERATION

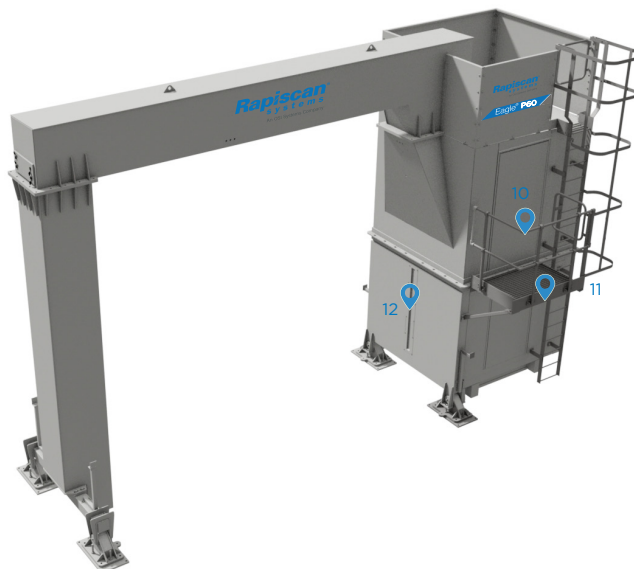
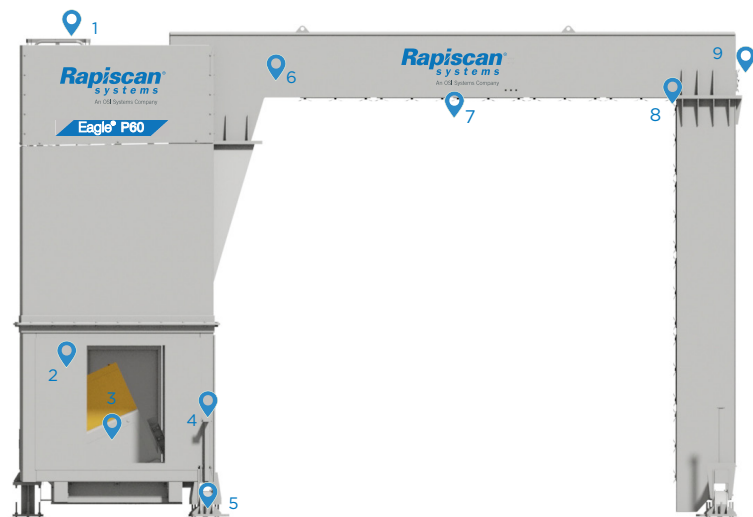
HELP FIND CONTRABAND WITH MATERIAL SEPARATION TECHNOLOGY

### KEY FEATURES

1. Temperature Control Unit
2. X-ray Generator and collimator housing
3. Linear Accelerator 6 MeV
4. E-Stops -Interlocking Safety System
5. Portal supports
6. Detector arrays in horizontal and vertical booms
7. Drive through cab detection Laser
8. Internal Portal height of 4.7 m
9. X-ray sirens and alarm lights
10. Electrical Housing
11. Access Platform
12. Linac Collimator



THE RAPISCAN EAGLE<sup>®</sup> P60 OFFERS, ROBUST STANDARD FEATURES AND ADVANCED OPTIONS. IDEAL FOR HEAVY TRAFFIC GATEWAYS, WITH A POWERFUL 6.0 MEV X-RAY IMAGING SYSTEM THEY PROVIDE A THOROUGH INSPECTION AND HIGH THROUGHPUT OF VEHICLE BOURNE CARGO.



# RAPISCAN EAGLE® P60

# Rapiscan®

systems

An OSI Systems Company

## PHYSICAL SPECIFICATIONS

Platform Type	Portal Scanner
Platform	Stationary drive through X-ray scanner
View Direction	Side shooter
Overall Dimensions	Depth: 3.4 m, Width: 8.4 m, Height: 5.7 m
Scan Area Dimensions	Width: 4.6 m, Height: 4.7 m
Recommended Maximum Vehicle / Object Scan Size	Length: Unlimited, Width: 2.8 m, Height: 4.6 m
Minimum Scan Height	0.4 m from ground
Scan Orientation	90° to inspected object

## OPERATION

Set-up	15 minutes in standard operating environment
Crew	2 inspectors, system operator and optional check in inspector
Scan Modes	Portal drive-through scan mode only - start of cargo to rear bumper
Scan Direction	One direction - Multi-direction option
CabScan™ Mode	Option - front bumper to start of cargo
Scanning Speed	3-8 km/hour

## X-RAY GENERATOR AND IMAGE PERFORMANCE\*

Linac Energy	6 MeV
Steel Penetration	330 mm
Wire Resolution in Air	1 mm
Spatial Resolution - Horizontal	10 mm
Spatial Resolution - Vertical	5 mm
Contrast Resolution	1% (Behind 100 mm)
Material Separation	Low Z organic, Low Z inorganic, High Z inorganic

Radiation Detection (option)	Integrated Gamma Radiation detection Integrated Gamma and Neutron Radiation detection
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## OPERATING ENVIRONMENT\*

Operational Temperature	-10°C to +40°C -40°C with optional cold weather package +55°C with optional hot weather package
Relative Humidity	5 to 95% non-condensing
Maximum Baseline Wind Speed	40 km/hour

## RADIATION SAFETY\*

Open Radiation Exclusion Zone	Length: 50 m x Width: 40 m
Shielded Radiation Exclusion Zone	Length: 28 m, Width: 12 m
Radiation Dose at Exclusion Zone	1 µSv/hour
Boundary in One Hour	
Radiation Dose to Driver	less than 0.25 µSv per scan
Radiation Dose to Crew in One Hour	0.5 µSv/hour
Radiation Dose to Cargo per Scan	less than 20 µSv
Shielding Type	0.8 m thick concrete shielding wall detector side, 0.4 m thick shield wall linac side
US Safety Act Certified	Yes

\* All tests performed according to ANSI N42.46

\* The performance characteristics outlined in this document are indicative and for information only, the specific performance characteristics of individual systems may differ based upon customer requirements, operation and supplied options. Should further enhanced characteristics or extended capabilities be required, please contact a Rapiscan Systems Cargo and Vehicle Inspection representative.

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**SUPERIOR QUALITY, COMPREHENSIVE STANDARD FEATURES AND FLEXIBLE OPTIONS - INCLUDED WITH EVERY RAPISCAN EAGLE CARGO AND VEHICLE INSPECTION SYSTEM.**

Our commitment to value and innovation make Rapiscan the first choice in cargo and vehicle inspection solutions. Rapiscan Systems is a global leader in high quality inspection solutions and advanced threat identification techniques. Security is our only concern, and we focus on developing customer-centric solutions that are future-proof and cost effective. All Rapiscan products are backed by a 24 x 7 worldwide training, maintenance and service organization.

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.



Rapiscan Systems is ISO 9001:2008 Certified

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