The Rapiscan 618XR HPM is a mobile X-ray screening system with a 540MM wide by 360MM high tunnel opening with large shock absorbing pneumatic wheels for easy transportability.

Based on an established legacy of innovation, quality and reliability, the 618XR HPM provides an array of technologies designed to assist the operator in threat detection as well as improve throughput and operations for checkpoint security screening applications. The 618XR HPM is designed for rapid relocation and can be wheeled through narrow doorways, making it an excellent system for cruise lines, schools, prisons, and event-based security environments.

Detection of Explosives and Narcotics Alert

Target™ and NARCScan™ are designed to assist operators in the detection of a range of explosives and narcotics respectively in real time during the scanning process by marking a potential threat on the X-ray image. Rapiscan detection algorithms are based on regulatory material analysis techniques.

Government Regulatory Compliance


SINERGY™

Rapiscan's latest proprietary image enhancement tool, utilizes the new innovative Dual-Mode X-ray imaging Technique (DMxT) to emphasize the detail in specific regions of images by enhancing the visibility of thin metal therefore increasing operator recognition of potential threats in cluttered images.

Efficient Design for Ease of Use, Highest Throughput and Secure

Rapiscan 618XR HPM is supported by a rigid-steel structure and is equipped with painted handles at its side and large pneumatic caster wheels at its base for ease of maneuverability.

The wheels enable operators to move the 618XR HPM easily and offers a locking function to achieve stability and security during use. The system also features painted handles on each side, for further ease of maneuverability. A lockable, easy slide out control panel tray and monitor is securely located on top of the system.
Physical Specifications
Dimensions:
- Length: 65.4 in. (1,662 mm)
- Width: 28.9 in. (735 mm)
- Height: 75.3 in. (1,193 mm) open
- 60.2 in. (1,530 mm) closed
Tunnel Size:
- 21.3 (W) x 14.2 in. (H) (540 mm x 360 mm)
Conveyor Speed:
- 0.20 m/sec (39.4 ft./min)
Conveyor Load:
- 364 lbs (165 Kg) evenly distributed
Conveyor Height:
- 33.3 in. (847 mm)
System Power:
- 100/110/120/208/220/230/240 VAC ±10%,

X-Ray Generator and Image Performance*
- Steel Penetration: 33 mm typical, 31 mm standard
- Wire Resolution: 40 AWG typical, 38 AWG standard
- Spatial Resolution: 0.8 mm vertical/0.8 mm horizontal
- Cooling: Sealed oil bath with forced air
- Anode Voltage: 140KV
- Orientation: Diagonally Upward

Operating Environment
- Storage Temperature: -4°F to 122°F (-20° to 50°C)
- Operating Temperature: 32°F to 104°F (0° to 40°C)
- Relative Humidity: 5 to 95% non-condensing

Protection Class
- System: IP20
- Operator Control Panel: IP43²

Government Regulatory
- Regulation (EC) No. 300/2008 Compliant
- Regulation (EU) No. 185/2010 Compliant
- EU Commissions Decision C(2010)774 Compliant

Health and Safety
Rapiscan Systems' cabinet X-ray products comply with all applicable U.S. 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] as well as IEC standard 61010-2-091. Rapiscan baggage and parcel inspection systems radiation emission leakages are well below the required regulatory limits with less than 1μSv/hr at 10 cm from all surfaces of cabinet X-ray.

Software
- OS600
- 64 Bit Operating System

Options and Accessories
- Explosives Detection Alert (Target™)
- Narcotics Detection Alert (NARCScan™)
- Density Threshold Alert (DTA)
- Threat Image Projection (TIP)
- Threat Image Projection Network (TIPNet)
- Automatic Image Archiving
- Enhanced Image Archiving
- Operator Training Program (OTP)
- Manual Scan
- Foot-mat
- Power Conditioner
- Extended UPS

1 Stated performance as measured by Rapiscan Imaging Validation Test Kit.
2 With optional replaceable cover.

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.