



PRODUCT APPEARANCE MAY DIFFER FROM IMAGE

## Powerful 3D Perspective™ Technology

The XR3D-60s MATRIX Series, powered by BioSans MATRIX™, is an easy to operate, single source scanner that provides operators with extremely detailed, more revealing images, enhanced detection capabilities and a very low cost of ownership. The new line of MATRIX Series scanners offers best-in-class technology, achieving significant improvements in wire resolution, steel penetration and spatial resolution. MATRIX Series models are also the first XR3D scanners that can be connected through VotiINSIGHTS™, VOTI's proprietary web-based platform for centralized and remote fleet management, providing fleet managers up to the minute information about their scanner fleet's health and operational status.

With a tunnel opening of 615 mm wide by 425 mm high (24.2" x 16.7"), the XR3D-60s MATRIX Series is the ideal solution for a variety of usages such as critical infrastructures, transportation and border operations where screening of parcels, bags and mail is required.

VOTI's scanners employ innovative 3D Perspective™ technology to deliver exceptional threat detection capabilities. Through an advanced intuitive touch screen interface, operators can manipulate and enhance scanned images in a variety of ways to better pinpoint and evaluate potential threats. The overall threat detection process is enhanced by a suite of software guided tools and features, including extended and configurable threat libraries.

## Product Highlights

- 3D Perspective™ Multi Energy Imaging
- LCD Touch Screen with multi-touch zoom
- Threat Alert and Material Classification
- One-touch, Instant View Last Five Bags
- Dynamic Pseudo Density Layering
- Multilingual Operation
- Auto-Archiving
- Network-Ready
- Best-In-Class Image Quality **NEW**
- Linux based BioSans MATRIX Operating System **NEW**
- SSD with Power Loss Prevention **NEW**
- VotiINSIGHTS™ Ready **NEW**

## General Specifications

<b>Dimensions:</b>	Length (L): 1717 mm (67.6")
	Height (H): 1433 mm (56.4")
	Width (W): 831 mm (32.7")
<b>Conveyor height:</b>	762 mm (30") from floor
<b>Tunnel size:</b>	615 mm x 425 mm (24.2" by 16.7")
<b>Max. object size:</b>	600 mm x 400 mm (23.6" by 15.7")
<b>Conveyor speed:</b>	0.22 m/s (44'/min.) variable speed, bi-directional
<b>Conveyor load:</b>	165 kg (364 lbs) max. evenly distributed weight
<b>Approx weight:</b>	400 kg (882 lbs)
<b>System power:</b>	115VAC +/-10%, 50/60Hz, 15A Max
	230VAC +/-10%, 50/60Hz, 10A Max

## X-ray Generator and Image Performance

<b>Generator:</b>	Single x-ray generator operating at 160 kV
<b>Cooling:</b>	Sealed oil bath
<b>Orientation:</b>	Diagonal upwards
<b>Duty cycle:</b>	100%
<b>Detectors:</b>	Multi energy silicone photo diodes for color coding and material classification
<b>Wire resolution:</b>	44 AWG
<b>Steel penetration:</b>	44 mm
<b>Spatial resolution:</b>	0.7 mm horizontal, 0.8 mm vertical

As measured on VOTI proprietary Test Piece

## Computer Specifications

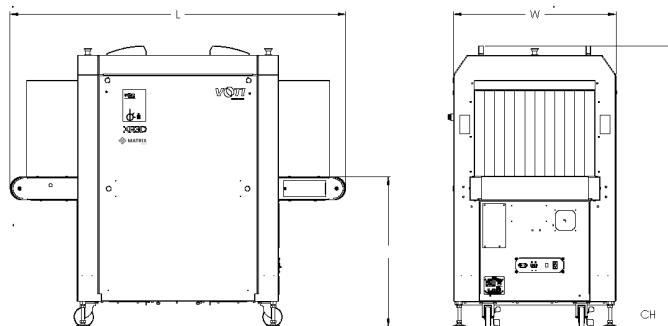
<b>Networking:</b>	WiFi/Ethernet
<b>Monitor:</b>	24" colour LCD touch screen Resolution: 1920 x 1080

## Operating Environment

<b>Storage temperature:</b>	-20 to 60°C
<b>Operating temperature:</b>	+0 to 40°C
<b>Relative humidity:</b>	Up to 95% non-condensing

Certified to UL 61010-1, CAN/CSA 22.2 No. 61010-1-04, IEC 61010-1:2001  
CE compliant: 2006/95/EC, 2006/42/EC, 2004/108/EC  
FCC part 15  
FDA title 21, CFR 1010.2  
FDA title 21, CFR 1010.3  
FDA title 21, CFR 1020.4  
Health Canada RED Act & Safety Code 29  
Maximum x-ray leakage: meets all applicable laws and regulations with respect to x-ray emitting devices  
Film safety: ISO 1600/33 DIN

## Dimensions



## Standard Features

- 3D Perspective™ multi energy imaging
- LCD touch screen
- Pinch to zoom functionality
- Remote technical support
- Secure USB port
- Auto-archiving (>180,000 sessions)
- One-touch instant view of last 5 bags
- 25 cm shrouds
- Stainless steel conveyor covers
- Fully automatic, software-driven tube seasoning
- Network ready
- Automatic built in test & self diagnosis
- Scanned object counter
- Archive management module
- Administration module
- Restricted secure access key
- Bi-directional scanning
- **VotiIMAGE™**
  - Image Edge Enhancement (IEE)
  - Black & white and inverse video
  - Variable contrast control
  - Digital zoom to 64x, pan and flip
  - Dynamic pseudo layering
- **VotiMAT™**
  - Z<sup>eff</sup> color image
  - Organic / inorganic stripping
  - Z<sup>eff</sup> based calculation
- **VotiDENS™**
  - Automatic High Density Alert (HDA)
  - HD and VHD enhancement



## Applications & Options

- Extended roller tables
- Pressure sensitive mat
- Uninterruptible power supply (UPS)
- Power conditioner
- Operator console
- Monitor/console display stand
- Operator workstation
- **VotiALERT™**
  - Threat Detection Assistance with alerts for operator
  - Material Classification
  - Suspect Archive Tagging and Lookup
- **VotiTIP™**
  - Threat Image Projection software
  - TIP reporting data
- Comprehensive performance reporting **VotiINSIGHTS™**
  - Web-based platform for centralized and remote management of XR3D scanners
  - Real-time information on scanner fleet health and operation status
  - Remote monitoring through secondary viewing workstation

These specifications are subject to change without notice.  
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