



PRODUCT APPEARANCE MAY DIFFER FROM IMAGE

Powerful 3D Perspective™ Technology

The XR3D-50s 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 550 mm wide by 350 mm high (21.7" x 13.8"), the XR3D-50s 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

Dimensions:	Length (L): 1477 mm (58.1")
	Height (H): 1349 mm (53.1")
	Width (W): 766 mm (30.2")
Conveyor height:	762 mm (30") from floor
Tunnel size:	550 mm x 350 mm (21.7" by 13.8")
Max. object size:	535 mm x 325 mm (21.1" by 12.8")
Conveyor speed:	0.22 m/s (44'/min.) variable speed, bi-directional
Conveyor load:	165 kg (364 lbs) max. evenly distributed weight
Approx weight:	390 kg (860 lbs)
System power:	110/240 VAC 10/5 A 50/60 Hz

X-ray Generator and Image Performance

Generator:	Single x-ray generator operating at 140 kV
Cooling:	Sealed oil bath
Orientation:	Diagonal upwards
Duty cycle:	100%
Detectors:	Multi energy silicone photo diodes for color coding and material classification
Wire resolution:	42 AWG
Steel penetration:	35 mm
Spatial resolution:	0.7 mm horizontal, 0.9 mm vertical

As measured on VOTI proprietary Test Piece

Computer Specifications

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

Operating Environment

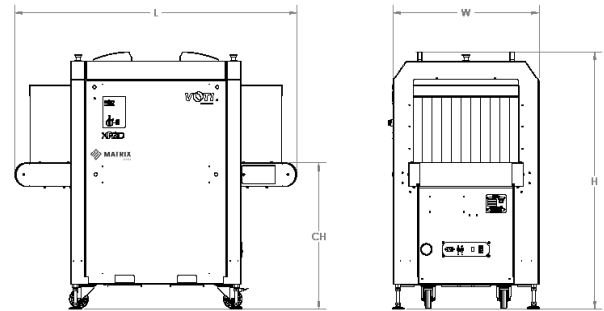
Storage temperature:	-20 to 60°C
Operating temperature:	+0 to 40°C
Relative humidity:	Up to 95% non-condensing

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

These specifications are subject to change without notice.
 XR3D-50s-MATRIX-EN-202010-23

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Dimensions



Standard Features

- 3D Perspective™ multi energy imaging
- LCD touch screen
- Pinch to zoom functionality
- Remote technical support
- Secure USB port Auto-archiving (>200,000 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^{eff} color image
 - Organic / inorganic stripping
 - Z^{eff} 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
- 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