BioSans™ Powered

IMAGES ARE SUBJECT TO CHANGE

Powerful 3D Perspective™ Technology

The XR3D-100D, powered by BioSans™, is an easy to operate, dual source scanner that provides operators with extremely detailed, more revealing images, enhanced detection capabilities and a very low cost of ownership.

With a tunnel opening of 1014 mm wide by 1062 mm high (39.9" x 41.8"), the XR3D-100D 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™ Dual Energy Imaging**
- **Icon-Driven GUI with LCD Touch Screen**
- **Threat Alert and Material Classification**
- **One-touch, Instant View Last Five Bags**
- **Dynamic Pseudo Density Layering**
- **Multilingual Operation**
- **Auto-Archiving**
- **Network-Ready**

General Specifications

Dimensions:	Length (L): 3670 mm (144.5")
	Height (H): 1845 mm (72.6")
	Width (W): 1826 mm (71.9")
Conveyor height:	334 mm (13.1") from floor
Tunnel size:	1014 mm x 1062 mm (39.9" by 41.8")
Max. object size:	1000 mm x 1000 mm (39.4" by 39.4")
Conveyor speed:	0.22 m/s (44'/min.) variable speed, bi-directional
Conveyor load:	200 kg (441 lbs) max. evenly distributed weight
Approx weight:	1346 kg (2967 lbs)
System power:	120/240 VAC 10/5 A 50/60 Hz

X-ray Generator and Image Performance

Generator:	Two x-ray generators operating at 160 kV
Cooling:	Sealed oil bath
Orientation:	Diagonal downwards and horizontal
Duty cycle:	100%
Detectors:	Dual energy silicone photo diodes for color coding and material classification
Wire resolution:	Up to 38 AWG
Steel penetration:	Up to 31 mm*

As measured on VOTI proprietary test piece. ASTM F 792-08 Test Piece: Max measureable value: 34mm
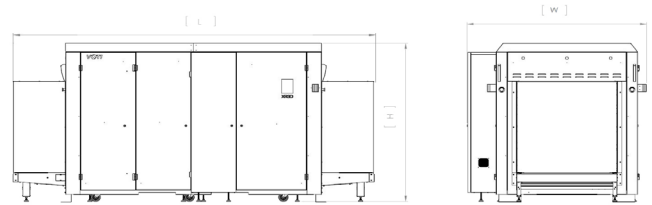
Computer Specifications

Networking:	WIFI/Ethernet enabled
Monitor:	22" 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 Radiation Emitting Devices Act
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™ dual energy imaging
- LCD touch screen
- Remote technical support
- Secure USB port for external storage available through BioSans™ software
- Auto-archiving (over 70,000 sessions)
- One-touch instant view of last 5 bags
- Extended shrouds
- 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
- Uninterruptible power supply (UPS)
- 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

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Applications & Options

- Multilingual operations
- Mail scanning for letters and envelopes
- Digital picture of objects scanned
- VotiALERT™
  - Threat assessment management system with automatic threat alert and material classification
  - Inspection & Tagging Recommended (ITR)
  - Area of Interest Highlighting (AIH)
- VotiRAM™
  - Risk Assessment Management (RAM) module with customizable operation and detection parameters
  - 5 security Levels
- VotiRAV™
  - Remote Archive Viewer and secondary screening of up to 5 VOTI x-ray scanners
  - Backup storage/archiving of scans
- VotiTIP™
  - Threat Image Projection software
  - TIP management system software
- VotiPMD™
  - Auto-detection of precious metals such as gold and platinum
- Extended roller tables
- Pressure sensitive mat
- Additional LCD touch screen
- Power Conditioner

These specifications are subject to change without notice.
XR3D-1000-100D-EN-201801-01

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