



AS SHOWN: WITH OPTIONAL ROLLER TABLES AND MONITOR STAND  
IMAGES ARE SUBJECT TO CHANGE

## Powerful 3D Perspective™ Technology

The XR3D-18D, 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 1840 mm wide by 1900 mm high (72.4" x 74.8"), the XR3D-18D is the ideal solution for a variety of usages such as critical infrastructures, transportation and border operations where screening of medium to large cargo 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

<b>Dimensions:</b>	Length (L): 5624 mm (221.4") excluding shrouds and roller tables
	Height (H): 3021 mm (118.9")
	Width (W): 3057 mm (120.4")
<b>Conveyor height:</b>	380 mm (15") from floor
<b>Tunnel size:</b>	1840 mm x 1900 mm (72.4" by 74.8")
<b>Max. object size:</b>	1800 mm x 1800 mm (70.9" by 70.9")
<b>Conveyor speed:</b>	0.22 m/s (44'/min.) variable speed, bi-directional
<b>Conveyor load:</b>	3000 kg (6,614 lbs) max. evenly distributed weight
<b>Approx weight:</b>	5980 kg (16,184 lbs)
<b>System power:</b>	600VAC 3 phases 20A (120/240VAC 12/6A from step-down converter included)

## X-ray Generator and Image Performance

<b>Generator:</b>	Two x-ray generators operating at 200 kV
<b>Cooling:</b>	Heat exchanger with fan and oil pump
<b>Orientation:</b>	Diagonal from the side and downwards
<b>Duty cycle:</b>	100%
<b>Detectors:</b>	Dual energy silicone photo diodes for color coding and material classification
<b>Wire resolution:</b>	Up to 36 AWG
<b>Steel penetration:</b>	Up to 42 mm*

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

## Computer Specifications

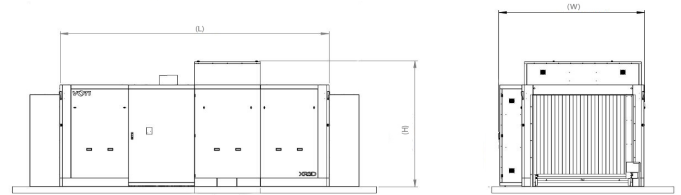
<b>Networking:</b>	WiFi/Ethernet enabled
<b>Monitor:</b>	22" colour LCD touch screen Resolution: 1920 x 1080

## 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 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 (7,500 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)
- Power conditioner
- 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

- Multilingual operations
- 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
- Extended roller tables
- Pressure sensitive mat
- Additional LCD touch screen

These specifications are subject to change without notice.  
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