



PICTURED IS THE XR3D-18D

AS SHOWN: WITH OPTIONAL ROLLER TABLES AND MONITOR STAND

## Powerful 3D Perspective™ Technology

The XR3D-18, powered by BioSans™, 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.

With a tunnel opening of 1840 mm wide by 1900 mm high (72.4" x 74.8"), the XR3D-18 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): 4247 mm (167.2") excluding shrouds and roller tables         |
|                          | Height (H): 2440 mm (96.1")  |
|                          | 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>    | 4332 kg (9,550 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>         | One x-ray generator operating at 200 kV  |
| <b>Cooling:</b>           | Heat exchanger with fan and oil pump   |
| <b>Orientation:</b>       | Diagonal from the side   |
| <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

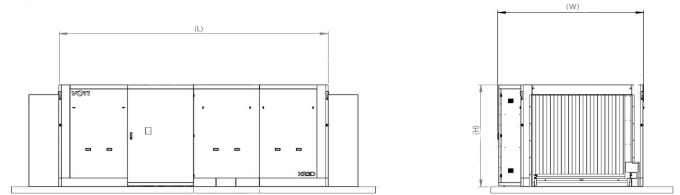
|                    |  |
|--------------------|--|
| <b>Networking:</b> | WiFi/Ethernet enabled                                  |
| <b>Monitor:</b>    | 22" colour LCD touch screen<br>Resolution: 1920 x 1080 |

## 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 (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
- **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
- Uninterruptible power supply (UPS)
- Power conditioner

These specifications are subject to change without notice.  
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