



### POWERFUL 3-D PERSPECTIVE TECHNOLOGY

The **XR3D-7** is an easy to operate, single or 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 29.5" wide by 21.7" high (750 mm x 550 mm), articles can be screened with ease. The XR3D-7 is the ideal medium-footprint solution for critical infrastructures, correctional facilities, transportation and border security.

VOTI's scanners employ innovative new feature sets to deliver exceptional threat detection capabilities. Through an advanced ergonomic 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 automatically, by a suite of software guided tools and feature sets, including extended, configurable threat libraries.

### PRODUCT HIGHLIGHTS

- 3-D Perspective Dual Energy Imaging
- Icon-driven GUI with LCD touch screen
- Threat alert and material classification
- Automatic Risk Assessment
- Digital picture of scanned objects
- One-touch, Instant View Last Five Bags
- Dynamic Pseudo Density Layering
- Multilingual operation
- Auto archiving
- Network-Ready
- Field Upgradable to Dual source (Kit)

### General Specifications

<b>Dimensions:</b>	Length (L): 103.2" (2621 mm)
	Height (H): 60" (1524 mm)
	Width (W): 40.3" (1024 mm)
<b>Conveyor Height:</b>	30" (763 cm) from floor
<b>Tunnel size:</b>	29.5" by 21.7" (750 mm x 550 mm)
<b>Conveyor speed:</b>	44'/min. (0.22 m/s) variable speed, bi-directional
<b>Conveyor load:</b>	440 lbs (200 kg) max. evenly distributed weight
<b>Approx weight:</b>	1,650 lbs (748 kg)
<b>System power:</b>	110-240 VAC 5-10 amps. Automatic switch

### X-ray Generator and Image Performance

<b>Generator:</b>	Single or dual generator operating at 160 kV (field upgradable to dual source with add-on kit)
<b>Cooling:</b>	Sealed oil bath
<b>Orientation:</b>	Diagonal upwards
<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 40 AWG
<b>Steel Penetration</b>	Up to 37 mm

### Computer Specifications

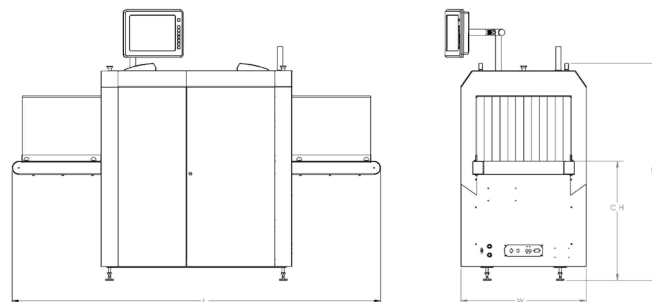
<b>Networking:</b>	RJ45 network connection port, USB storage port for external storage and portable media
<b>Monitor:</b>	22" colour LCD, Touch screen Resolution: 1280 x 1024

### Operating Environment

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

### Compliance

USA FDA 21 CFR 1020.40  
Health Canada Radiation Emitting Devices Act  
Maximum X-ray leakage of less than 5  $\mu$ Sv/h (0.5 mR/h) measured at 5 cm from any external surface. (European standard - less than 1  $\mu$ Sv/h (0.1 mR/h) measured at 10 cm from any external surface)  
UK Health & Safety at Work Act 1974-6 (Amended by the Consumer Protection Act 1987)  
Film safety: ISO 1600/33 DIN  
CE Compliant: 2006/95/EC, 2006/42/EC, 2004/108/EC



### STANDARD FEATURES

- 3-D perspective dual energy imaging
- LCD touch screen
- Multilingual operation
- Digital photo of scanned object
- Auto-archiving (over 70,000 sessions)
- One-touch instant view of last 5 bags
- Fully automatic, software-driven tube seasoning
- Network ready
- Automatic built in test & self diagnosis
- Scanned object counter
- Archive management module
- Administration module
- Secure access key
- Operator training image library
- Uninterruptable power supply (UPS)
- Bi-directional scanning
- VOTI-IMAGE
  - Image Edge Enhancement (IEE)
  - Black & white and inverse video
  - Variable contrast control
  - Digital zoom to 64x, pan and flip
  - Dynamic Pseudo Layering
- VOTI-MAT
  - Z<sup>eff</sup> color image
  - Organic / inorganic stripping
  - Z<sup>eff</sup> based calculation
- VOTI-DENS
  - Automatic High Density Alert (HDA)
  - HD and VHD enhancement

### MODULES & OPTIONS

- VOTI-ALERT
  - Threat assessment management system with automatic threat alert and material classification
  - Inspection & Tagging Recommended (ITR)
  - Area of Interest Highlighting (AIH)
- VOTI-RAM
  - Risk Assessment Management (RAM) Module with customizable operation and detection parameters
  - 5 Security Levels
- VOTI-RAV
  - Remote Archive Viewer and secondary screening of up to 5 VOTI x-ray scanners
  - Backup storage/archiving of scans
- VOTI-TIP
  - TIP Management Software with image libraries
- VOTI-LAB
  - Specialized module for advanced threat analysis
- VOTI-PMM
  - Auto-detection of precious metals such as gold and platinum
- Extended roller tables
- Extended shrouds (50cm)
- Pressure sensitive mat
- Second LCD touch screen
- Toggled generator voltage control
- Field upgradable to dual source (kit)

