POWERFUL 3-D PERSPECTIVE TECHNOLOGY

The **XR3D-5** 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 21.7" x 13.8" (550 mm x 350 mm) small and medium parcels and bags can be screened easily and effectively. The XR3D-5 is the ideal small-footprint solution for critical infrastructures, 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 object
- One-touch, Instant View Last Five Bags
- Dynamic Pseudo Density Layering
- Multilingual operation
- Network Ready
- Auto archiving

General Specifications

Dimensions:	Length: 83.4" (2118 mm) Length with shortened conveyor: 49.3" (1253 mm)
	Height: 52.2" (1327 mm)
	Width: 33.4" (849 mm)
Conveyor height:	30" (763 mm) from floor
Tunnel size:	21.7" by 13.8" (550 mm x 350 mm)
Conveyor speed:	44'/min. (0.22 m/s) variable speed, bi-directional
Conveyor load:	352 lbs (160 kg) max. evenly distributed weight
Approx weight:	990 lbs (450 kg)
System power:	110-240 VAC 5-10 amps. Automatic switch

X-ray Generator and Image Performance

Generator:	Single generator, operating at 140 kV - 160 kV
Cooling:	Sealed oil bath
Orientation:	Diagonal upwards
Duty cycle:	100%
Detectors:	Dual energy silicone photo diodes for color coding and material classification
Wire resolution:	Up to 40 AWG
Steel penetration:	Up to 37 mm

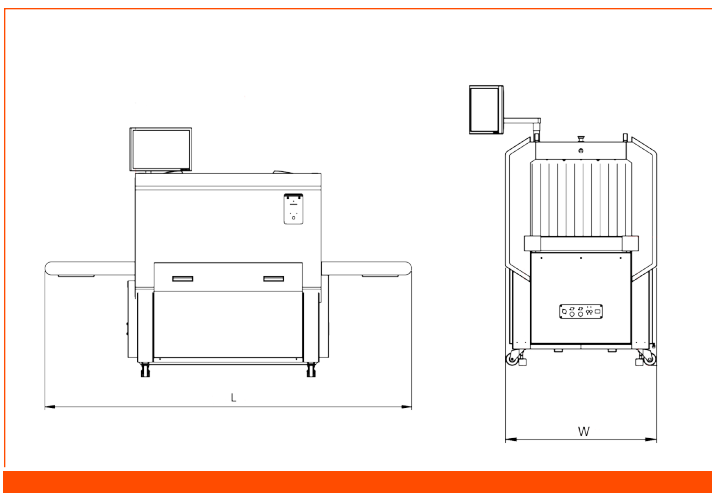## Computer Specifications

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

Operating Environment

Storage temperature:	-20 to 60°C
Operating temperature:	0 to 40°C
Relative humidity:	5 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 µSv/h (0.5 mR/h) measured at 5 cm from any external surface. (European standard - less than 1 µSv/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
UL Listed NYQD7

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
- Short conveyor available
- 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^{eff} color image
  - Organic / inorganic stripping
  - Z^{eff} 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

BioSans™ Powered

VOTI
1840 Trans-Canada Highway, Dorval, Quebec H9P 1H7 Canada
T: +1 514.782.1566 F: +1 514.221.3948
www.votigroup.com