



# Technical Specifications

## HAB-SCAN Mobile

Rapid Screening Systems SA

- A 220V 3kVA power generator is fitted to the trailer to enable the unit to operate without power supply from an outside source.
- Sufficient lighting is provided in and around the unit to allow for night-time operation.

## 2. X-RAY UNIT

The X-ray unit conforms to or exceeds the following specifications:

### 2.1 Physical Specifications

- It is of compact design.
- It is possible to wheel the unit through a standard doorway and be able to be deployed in a space-constrained environment.
- The unit can be comfortably wheeled over tarred or paved surfaces, without vibration causing damage to the X-ray tube, computer or other sensitive components.
- The tunnel is 360mm high and 550mm wide.
- The conveyor belt protrudes either side of the unit, no less than 600mm.
- The conveyor speed is  $\pm 0.22$  m/sec.
- The conveyor belt is capable of sustaining a load of 160kg per scan.
- The physical dimensions are  $\pm 2500$ mm in length, 1750mm in height and 735mm in width.
- The mass does not exceed 750kg.

### 2.2 General Specifications

- Crystal-Clear Imaging
- Multi-Energy Imaging – four colours, Industry standard
- Density-Threat Alert
- Variable-Edge Enhancement
- High / Low Penetration
- Variable Gamma
- Inverse Video
- Pseudo Colour
- Variable Density Zoom
- Organic / Inorganic Stripping
- Flat Panel LCD Monitor
- Enhance Performance X-Ray (EPX)
- Threat Image Projection (TIP)
- Network or remote workstation capability
- Secure Workstation
- VCR Output
- Automatic Image Archiving
- Forward and Reverse screening
- Capable of penetrating 25mm of steel
- Resolution: 40SWG typical
- The X-ray equipment displays a complete image of any item fitting into the tunnel. There shall be no corner cut-off.

- View previous bags
- Baggage counter
- Search Indicators
- Facility for remote viewing



### 2.3 X-ray Generator

The x-ray generator conforms to the following specifications:

- It is housed in a sealed oil bath with forced air to ensure adequate cooling
- Anode voltage is 160kV rated and operates at 140kV
- The generator has a tube current of 0.7mA
- The generator has a vertically upward orientation.

### 2.4 Computer Specifications

The following specifications are required:

Processor Speed:	Intel Pentium®
Monitor:	17" XVGA colour
Memory:	64MB minimum
Video Memory:	16GB minimum
Hard Disk Drive:	40GB minimum
CD-Rom Drive:	54x
Floppy Disk:	1.44MB

- Access provided to keyboard port and parallel port by means of a lockable access panel on the outside of the machine.
- A metal test piece is supplied with the unit and stored in an easily accessible compartment.
- The detection field is uniform.
- It has a sensitivity adjustment facility, easily accessible to the operator.
- It has a rechargeable battery to allow 60 minutes of operation without external power supply.
- It is equipped with a battery status indicator.
- It has a weather proof power connector to enable power to be connected for sustained operation.
- It has an audible and visual alarm signal.
- The alarm is instantaneous.
- The reset time after an alarm signal does not exceed 10 seconds.

# HAB

INTERNATIONAL  
FIRE & SECURITY

Tel (+27) 11 314 7066 · Fax (+27) 11 314 7076  
PO Box 3703, Dainfern 2055, South Africa  
Email security@hab.co.za · www.hab.co.za