



# SCANWEDGE

**Portable X-ray System**

**Digital Flat Panel X-ray Imager**

**Ruggedised**

**Flat Panel Imager**

**Fast and Easy Setup**

**Compact and Lightweight**

## Digital flat panel portable X-ray system



Developed specifically for portable x-ray screening in tough law enforcement and EOD environments, Scanwedge has a unique flat panel design which allows it to be used in even the most confined spaces. Scanwedge can be used from different orientations and produces high quality x-ray images.

Because safety, robustness and speed of use are some of the key concerns for EOD and police operators, Scanwedge is specifically designed with these features in mind. For the safety of operators and others in the vicinity, Scanwedge is used with the well tried and tested Golden x-ray generators, and does not rely on hazardous generators containing pressurized or toxic gases.

For speed and safety, Scanwedge images are sent immediately to a laptop so that operators do not have to re-approach a potential suspect bomb to retrieve film or imaging plates. For increased robustness, Scanwedge contains no moving parts nor fragile components which makes it ideal for use in tough field environments.

### x - ray generators

ScanWedge comes with three permutations of x-ray generators, dependent upon the requirements of the task and specifications of the job.



**Option 1:**  
XR200 Standard Generator  
Applications: Police, General Security, Post Blast Investigation, NDT  
Penetration: 15mm steel  
Pulses per charge: 4,000  
Dimensions: 31.75 (l) x 11.5 (w) x 19 (h) cm.  
Weight : 5.5 kgs with battery



**Option 2:**  
XR150 Lightweight Generator  
Applications: Special Forces, Light Duty Applications  
Penetration: 15mm steel  
Pulses per charge: 1,500  
Dimensions: 10.4 (l) x 8 (w) x 27.3 (h) cm.  
Weight : 2 kgs with battery



**Option 3:**  
XRS-3 Heavy Duty Generator  
Applications: Military, UXO Inspection, Light Medium Industrial Applications  
Penetration: 26 mm steel  
Pulses per charge: 4,000  
Dimensions: 35.5 (l) x 11.5 (w) x 19 (h) cm.  
Weight : 5.5 kgs with battery

**Easy to Use.**

Only 3 key components are required making Scanwedge easy to set up and use in less than 5 minutes. Scanwedge is lightweight, less than 10 kgs when in a backpack (not including generator). No scanner is required as the x-ray image appears immediately on your screen.

**Battery Operated.**

Scanwedge is totally portable and all components can operate on the battery for up to 5 hours (there is no reliance on mains power during operations). The transport case is tough with an inbuilt charging system supplied.

**Image Analysis.**

Image analysis includes zoom, reverse black and white, pseudo-colour, pseudo 3D and measure, show gradients, rotation, distance, contrast enhancement and more. You are able to save in excess of 32,000 images on a PC or CD and make notes and store images in the incident management database.

**Safe.**

Flexible x-raying allows you to set and fire your x-ray generator from the laptop pc or handheld PDA. Multiple x-rays can be taken in seconds using ScanView imaging software on the laptop or PDA without re-approach to retrieve the reusable plate. Scanwedge works with safe portable x-ray sources including Golden XR150, Golden XR200, Golden XRS-3.

pc / laptop / PDA options



Compact Netbook Tablet PC or PDA  
 Ruggedised Laptop, Tablet PC or PDA  
 Wireless (802.11G Wi-Fi) x-ray fire and image transfer

**PC Tools**

X-ray Generator and Pulse Selection, X-ray Pulse Activation, Accumulation of Pulses (Summing), X-ray Image Database: Searchable by Name, Date, Category, Place, Filename, X-ray generator, Operator, Create New Incident, Read Incident Notes, Define, Delete Operators, Database backup function, Retrieve image from database, Import Image from windows folder, Export Image as tiff, jpg, bmp to windows folder, 800% zoom, Image Annotation (text and vocal), 1:1 Image printing with notes, Email Image

**Image Processing Tools**

Inverse polarity/negative image, Pseudo Colours, Sub-Image (select a region of interest), Image Rotate, Mirror and Flip Image, Sharpen Image, Soften Image, Clean Image, Histogram Equalisation, Histocontrast, Adjust Brightness and Contrast, Gamma Correction. 3D/Emboss, Measurement, Grid Overlay, Multiple Undo/ Image Restore, Copy/Paste, Shaped Regions, Image Stitching

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## technical specifications

### Scanwedge Plate

The Scanwedge 2520 incorporates an 8x10" standard screening area in a very lightweight, compact and rugged flat panel.

Scanwedge is available as a complete flat panel x-ray system system or as a digital flat panel upgrade or accessory to any conventional CCD or film based portable x-ray unit using the safe Golden x-ray generators.

### Scanwedge Backpack

All Scanwedge's components fit in a backpack enabling easy transportation for lightscale operations.

### Scanwedge 2520 (compact)

Imaging Area: 8 x 10" (10 x 25 cm)

Camera Type: High Performance CCD

Resolution: 582 x 752 pixels

Weight: 5.1 kgs

Thickness of panel at imaging area: 1.8 cm

### Options

Compact Netbook Tablet PC or PDA

Ruggedised Laptop, Tablet PC or PDA

Wireless (802.11G Wi-Fi) x-ray fire and image transfer

Cables: 50m standard, 100m, 150 m options

Peli style transport case or lightweight backpack

Weather and Drop Protective Image Panel Cover

Multi- Lingual Versions

External Camera

Spare Battery Packs

### Scanwedge 3325 Larger Flat Panel Imager

Imaging Area: 33 x 35 cm (10 x 13 ")

Camera Type: High Performance CCD

Resolution: 582 x 752 pixels

Weight: 11 kgs

### Power Source:

Charging System: 100-240 VAC

Scanwedge: Rechargeable Lithium Polymer Batteries

XR150 Generator: Dewalt 7.2 V Nickel Cadmium Batteries, XR200/

XRS-3, Dewalt 14.4 Batteries.

**NSN: 6350-99-724-9311**

**Due to our policy of continuous design and development, specifications are subject to change without notice.**



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