S SCANNA
WITHOUT COMPROMISE

SCANX SCOUT
PORTABLE X-RAY SYSTEM

FROM A4 PACKAGES TO THE SIDE OF A CAR - SCOUT HAS IT COVERED

WITHOUT COMPROMISE

Cutting edge screening and detection solutions.

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SCANX SCOUT

ScanX Scout ruggedised X-ray system with flexible film

ScanX Scout is a high performance portable digital X-ray system combining high sensitivity flexible film plates, a rugged battery powered image plate reader and a laptop for detailed forensic level X-ray inspection across the full spectrum of defence and security applications.

ScanX Scout image plates are very thin and flexible for easy access into confined areas and for wrapping around objects of interest. The image plates are available in a range of sizes and can be used individually or mounted in multiple combinations to investigate larger objects.

CR X-ray image plates require no cables nor batteries for use and the entire X-ray operation from setting up the scanner, placing the X-ray plate, X-ray acquisition and image plate scanning can be completed in less than 2 minutes.

Plates can be used over 1000 times and can be erased during the scanning process to allow immediate reuse.

The ScanX Scout Image Plate Reader scans the plates either on mains or battery power to produce ultra high resolution X-ray images in as little as 35 seconds. Its ability to reveal fine wire and electronic component detail makes it an invaluable system for those needing to make fast accurate decisions in the field and equally for lab-based forensic and analytical tasks.

Features and Benefits

High Resolution Images

ScanX Scout uses high sensitivity flexible image plates to produce 5 lp/mm, 100 micron images whilst requiring ten times fewer X-ray pulses than polaroid film.

Battery Operation

All the ScanX Scout system components are fully portable and the Image Plate Processor can operate on battery for up to 4 hours without any reliance on mains power.

Fast Set up and X-ray Image Acquisition

Unload and set up the ScanX Scout system, shoot X-rays, process and read the images on screen in less than 2 minutes start to finish.

Reduced Film Costs

Upgrading to Digital Film from Polaroid film means lower consumable costs and the ability to store and manage X-ray images in a database for improved and easier report writing and evidential record keeping.

Range of Image Plate Sizes

ScanX Scout X-ray Image Plates are available in a range of sizes: from compact 18 x 24 cm up to long length 35 x 130 cm. All plates can be used in multiple combinations with the Flexray Mounting Accessory for checking larger objects such as sides of vehicles in a single X-ray shot.

Light and easy-to-handle IPs

ScanX Scout Image Plates are easy to handle, carry and deploy and easily pass through the processor with no clips or carousel required. They are lightweight and flexible, need no cables nor battery for operation and are ideal for most Defence and and Security Tasks including /EOD/Search/WIT and Detailed Inspection.

Suitable for tough environments

The ScanX Scout Image Plate Reader is transported in a ruggedised case with integrated lifting handles making it easy to deploy to any task. Tried and tested in tough Police and Military environments.

SCANX SCOUT

Technical Specifications - Image Processor and Image Plates

Scout Processor

Dimensions:	39 (w) x 44.5 (l) x 35 (h) cm	**Laser Class:**	1, compliance with FDA HHS 21 CF1040.10 and IEC 60825-1
Weight:	21 kgs with battery, 19.5 kgs without battery	**Data Transfer:**	USB
Resolution*:	Vertical: 3.8 to 5.0 lp/mm Horizontal: 3.8 to 7.0 lp/mm	**Power:**	Mains or 4 hour battery (24DC)
Pixel Pitch:	300-100 microns		

NSN: 6350-99-236-1928

X-ray Image Plates

Standard Sizes:	• Standard: 35 x 43 cm (14 x 17") • Medium: 25 x 30 cm (10 x 12") • Small: 20 x 25 cm (8 x 10")	**Plate Accessories:**	• Flexible Cassettes • Protective Covers • Rigid Carbon Fibre Cassettes • FlexRay Cassettes
Longer Length:	• 35 x 90 cm (14 x 36") • 35 x 130 cm (14 x 51") • Other custom sizes on request		

Flexray Image Plate Mounting System

The Flexray Image Plate Mounting system enables the examination of large objects by combining multiple image plates in a variety of configurations. The ability to check large surface areas with a single X-ray shot reduces the time spent in the target area and ultimately time spent on task. Standard size plates can be used to combine from two to nine plates together. Longer length plates can be used in combinations of two or three together enabling over 1m^2 to be checked using a single X-ray exposure.
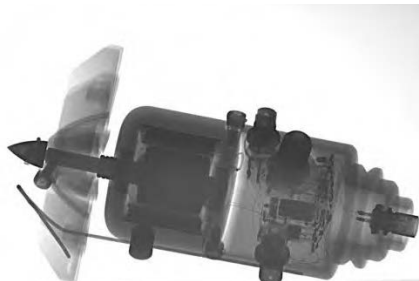
Flexray image plate kits include stiffened canvas image plate cassettes, Velcro fastenings, guy line, eyelets, carabiners and suction cups giving you the flexibility to free-stand or hang image plates behind the target or to directly attach them to the area of interest.
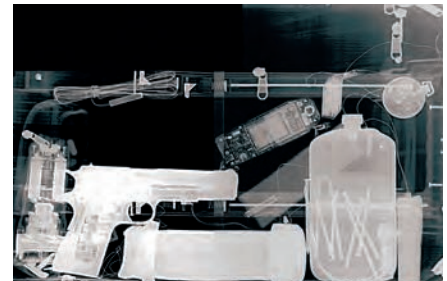
Technical Details subject to change.
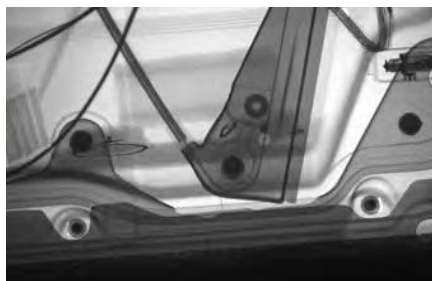
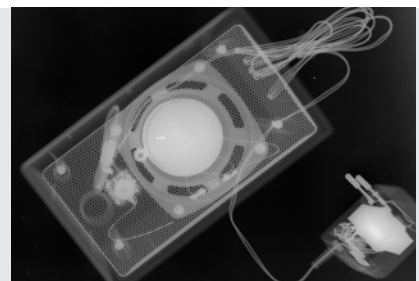### Firearms Inspection
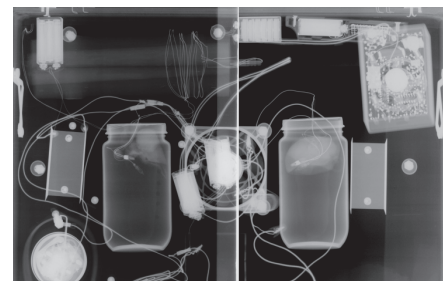
EOD/CMD Work

IED and Weapons Identification

Customs Vehicle Inspection

TSCM and Forensics

Stitch multiple images together

*Note: Resolution of the ScanX Scout is dependent on operating mode and specific imaging plate type used.

PORTABLE X-RAY GENERATORS

X-Ray Generator Options

XR200 Standard Generator

Applications	Police, General Security, Postal Blast Investigation
Penetration	15mm steel
Pulses per charge	6,000
Dimensions	27.15 (l) x 11 (w) x 15 (h) cm
Weight	4.8 kgs with battery

XR150 Lightweight Generator

Applications	Special Forces, Light Duty Applications
Penetration	15mm steel
Pulses per charge	5,100
Dimensions	23.06 (l) x 8 (w) x 10.34 (h) cm
Weight	2.13 kgs with battery

XRS-3 Heavy Duty Generator

Applications	Military, Counter IED, UXO Inspection, TSCM, NDT
Penetration	26mm steel
Pulses per charge	5,500
Dimensions	36.07 (l) x 11 (w) x 15 (h) cm
Weight	5.3kgs with battery

Laptop Options

✓ X-ray systems are supplied with a high performance laptop running Windows Professional 32 bit. Minimum spec: ntel Dual Core Processor, 500 GB HardDrive, 4 Gb Memory.
✓ Other brand name variants and ruggedised MilSpec models with foreign keyboard and OS options are available.

Cases

Scanview X-ray Imaging Software

Scanview Features:

- Select Scanning Resolution
- Scan Image
- Erase Image Plate
- Reverse Image Plate
- Brightness and Contrast
- Gamma Correction/Stretch
- Pseudo Colour Images
- Inverse (polarity) image
- Edge Enhancement,
- Find Edges
- Smoothing
- Sharpening
- 3D (Emboss)
- Image Rotate,
- Flip and Mirror image
- Sub-image

- Summing
- Clean
- Import/Export Images
- Digital Zoom
- Multiple Zoom including Zoom Thumbnail window
- Zoom to Region of Interest
- Grid Overlay
- Image Stitching and Cropping
- Calibrate measurements
- Measure (multiple units)
- Multiple Undo, Image Restore
- Copy/paste
- Overlay
- Histocontrast
- Histogram Equalisation
- Annotate Images

- Save Annotations
- Select Region
- Shaped Regions
- User login
- Save and export images in windows formats – jpg, bmp, tif
- Query and Sort in database
- Ability to back up database including name, date, category
- Battery Monitor
- Email option
- On Screen Help
- Vocal annotation
- Compact Database
- Foreign language options
- Custom options

Imaging Expertise

Scanna has a long track-record of providing high performance X-ray Imaging Equipment to the Defence and Security sector with a deep insight into the challenges faced by our customers.

Scanna X-ray products combine leading-edge, field proven technologies with simple to use functionality, enabling operators to make intelligent decisions in the most challenging and time critical field based scenarios. ScanX Scout battery powered portable X-ray systems with flexible imaging plates deliver industry-leading image quality - an indispensable asset when inspecting IEDs or weapons and during TSCM tasks and forensic examination.

Truly Portable
- Battery Powered Components
- Wirefree lightweight (100-200g) digital film
- Plates require no cables, nor battery for X-raying
- Weight of items at Target less than 6kgs

High Performance
- High Resolution Imaging
- 5 lp/mm resolution
- 100 micron pixel pitch
- Uncover critical detail in second

User Friendly Flexible System
- Fast and simple from start to finish
- Set up system, place, fire, scan and erase X-ray plates in <2 minutes
- Connect multiple plates quickly using Flexray to check larger areas

Field Proven
- Designed to perform in tough environments
- Thin Flexible film allows access in confined areas
- In service with Police and Military Forces worldwide

www.scanna-msc.com

SCANNA MSC Ltd,
223 Regent Street, London, W1B 2EB

Telephone: +44(0) 207 355 3555
Fax: +44(0) 207 355 3556
Email: info@scanna-msc.com

SCANNA