

CR Application Notes - Search and EOD



Flexible Image Plate X-ray systems for Security Search and EOD applications

For safe inspection of:

- Suspect packages
- Abandoned baggage
- Building or Venue Search
- UXO Inspection
- Post Blast Investigation

Flexible Plate Computed Radiography for IEDD, EOD and Post Blast Investigation

Computed Radiography Systems have been used in NDT and Medical Applications for many years. The latest CR portable x-ray image plate scanning systems from Scanna, now offer a highly mobile digital CR x-ray solution for Police, Military and Security Teams for suspect package checks or for IED search, detection and investigation.

One of the key benefits of flexible plates is that you only need to carry a very thin flexible film and a small lightweight x-ray generator to the target area.

Unlike rigid imagers (from 1" thick), flexible film plates can slide easily behind objects placed against a wall or vehicle, as well as being able to attach to virtually any surface area without needing a tripod.

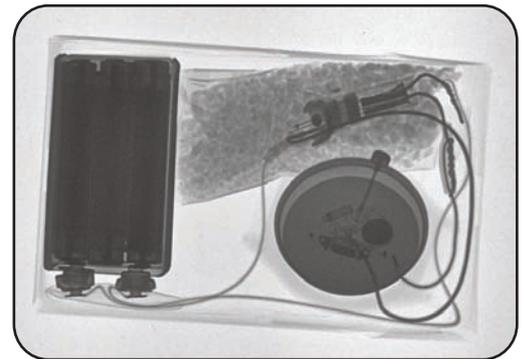
Packages and smaller bags can be inspected using a single x-ray image plate which can be useful within confined areas where larger rigid imagers cannot fit. Larger objects such as suitcases can also be checked using just one shot using multiple plates taped to a backplate.

The Scanview imaging and analysis software included with the laptop lets you stitch and store multiple images as a single large image for evaluation and reporting.

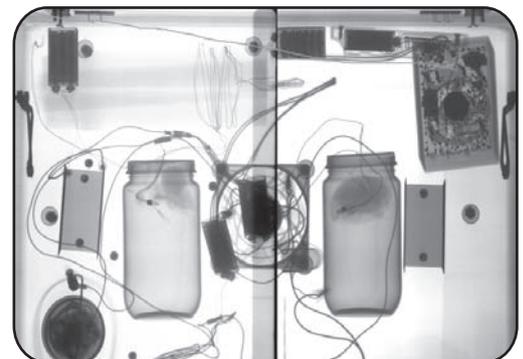
The CR image plate reader will produce x-ray images of 50 micron resolution in less than a minute and its 10 line pair definition means that IED circuitry, components and wiring systems can be identified in miniscule detail and its construction evaluated as part of any post blast investigation tasks.

Plates can be automatically wiped by the processor after reading and be available for immediate reuse.

The imaging plates operate with a well proven range of safe rugged lightweight 150-400 kv x-ray generators that have low radiated emissions and contain no hazardous CFC gases.



X-ray of Incendiary IED



X-ray of briefcase taken in a single shot using 2 image plates then stitched into a single image

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