

CR Application Notes - VIP Security



Flexible Image Plate X-ray systems for VIP Security, Specialist Search and Counter-Surveillance Sweeps

For non-destructive inspection of:

- Office Telephony and PC equipment
- Office Furniture and Chairs
- Picture Frames
- Walls
- Floors and Ceilings
- Pipework

Non-Destructive X-ray Inspection using flexible image plates

Computed Radiography Systems have been predominantly used in NDT and Medical Applications. Now, with the latest CR portable digital x-ray image plate scanning systems, security teams have the ability to check items within the room without dismantling them as well as being able to examine furniture, walls, ceilings, floors and pipework.

Individual items can be placed on or in front of the flexible x-ray image plate for inspection. Larger wall or ceiling areas from 0.6 sq mtr up to 1.25 sq mtr at a time can be checked in just one shot using multiple plates taped to that surface area.

One of the key benefits of flexible plates is that you can attach them to virtually any surface area without needing a tripod and unlike 1 inch thick rigid plates, flexible plates are less than a millimetre thin and will even bend around pipes or slide easily into difficult to access areas.

The Scanview imaging software included with the x-ray imaging laptop lets you seamlessly stitch and store your images as a single large image.

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 even the finest wires and small transmitters can be detected.

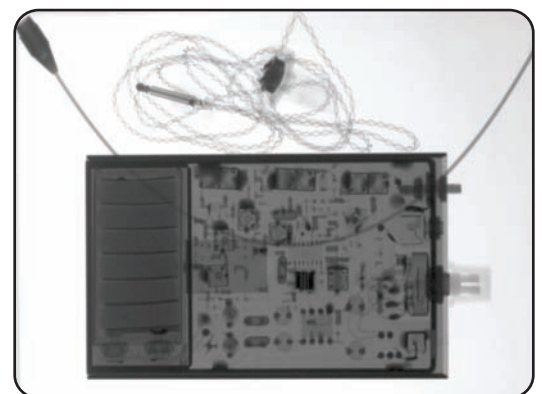
Electrical components are displayed in miniscule detail so that any adaptations can be quickly recognised.

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

The imaging plates can operate with lightweight 150kv x-ray generators where a lower penetration is required or a heavy duty 270 kv generator for checking through brick, concrete or metal pipes.



Flexible image plate taped to a wall for room search or counter surveillance work



X-ray image of transmitting device

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Details subject to change at manufacturer's discretion