

CR Application Notes - Vehicle Search



Flexible Image Plate X-ray systems for Border Control and Customs applications

For non-destructive inspection of:

- Vehicle Panels
- Vehicle Dashboard
- Fuel tanks
- Seats
- Vehicle Flooring

No need to strip down or handsearch the vehicle

Non-Destructive Vehicle X-ray Inspection for Customs and Checkpoint Security

Computed Radiography Systems have been predominantly used in NDT and Medical Applications. Now, with the latest CR digital portable x-ray image plate scanning systems, Border and Customs Agencies and Search Officers at security checkpoints have the ability to inspect vehicles without the need to strip them down or carry out a handsearch.

Vehicle doors can be inspected using a single x-ray image plate. Larger panels 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 rigid imagers that are at least 1" thick, flexible plates are less than a millimetre thin and will even bend around panelling and tyres or slide easily behind seating.

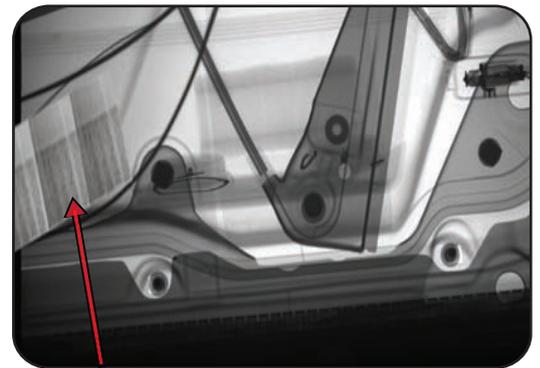
The Scanview imaging software included with the x-ray imaging laptop lets you seamlessly stitch and store your images as a single large image.

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 fine wires and low density contraband such as cigarette cartons and drugs can be detected.

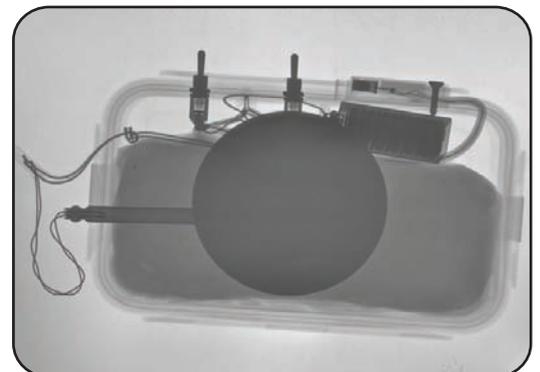
Components are displayed in miniscule detail so that any adaptations or additions can be quickly recognised.

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

The imaging plates operate with a portable but heavy duty 270 kv x-ray generator for checking through fueltanks and metal bodywork.



Cigarettes concealed in car door



Vehicle IED

SCANNA MSC Ltd

223 Regent Street, London W1B 2EB, UK

Tel: +44 (0) 207 355 3555

Email: info@scanna-msc.com

www.scanna-msc.com