

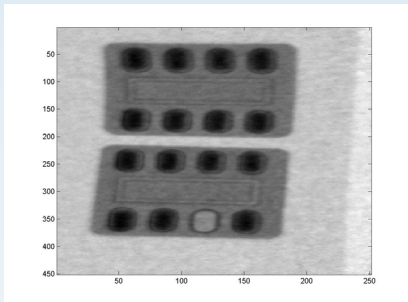
3DX-RAY



CASE STUDY

Blister pack inspection

An x-ray screening solution for blister packs



Features

- 100% in-line blister inspection
- Automated pass / fail decision capability
- Inspects 400 blisters per minute
- Works with all normal blister pack materials including aluminium foil
- Repeatable and reliable inspection even on boxed goods
- Minimises product liability issues

www.3dx-ray.com

T. +44 (0) 1509 817400 F. +44 (0) 1509 817401 E. sales@3dx-ray.com

3DX-RAY Ltd, 16 & 18 Hayhill Industrial Estate,
Barrow upon Soar, Leicestershire, LE12 8LD, UK

In-line x-ray screening for blister packs

The Client: Confidential

The Challenge

Medicines in tablet and capsule form are frequently packaged in blister packs. The consequence of an unfilled blister compartment may be a health risk to the patient and is certainly a liability issue for the drug supplier. Aluminium foil is highly inert and is therefore often used as a packaging material. Unfortunately this material eliminates certain inspection techniques such as optical, microwave or RF. An inspection technique is required to “see through” a range of blister pack materials and yet be sensitive enough to detect the tablets. The technique also needs to be viable as a fully automated and high speed in-line inspection tool.

The Solution

The X-Line™ system is well suited to this application. It is specifically designed for inspection of smaller items in production lines and provides image data to custom embedded image processing software. A variety of advanced software algorithms are employed to identify, rapidly and reliably, any empty blisters giving fully automatic pass / fail decision capability. Inspection rates of 400 blisters per minute are readily achieved. When used to inspect blister packs in their final packaging the system is also sufficiently sensitive to check for the presence of the important product instruction leaflet.

Further Information

3DX-RAY Ltd is a market leader in advanced x-ray inspection systems for the industrial and security markets. We offer a range of high resolution x-ray inspection systems for inspection of plant, products or containers.

3DX-RAY Ltd will discuss your specific requirements with you and, where appropriate, conduct an evaluation to ensure that you receive the best information and advice on the appropriate equipment to meet your needs.

An **IMAGE SCAN** company

Registered address: 16 & 18, Hayhill Industrial Estate,
Barrow upon Soar, Leicestershire, LE12 8LD, UK.
Registered in England No. 3237543.

