

SCANNEX

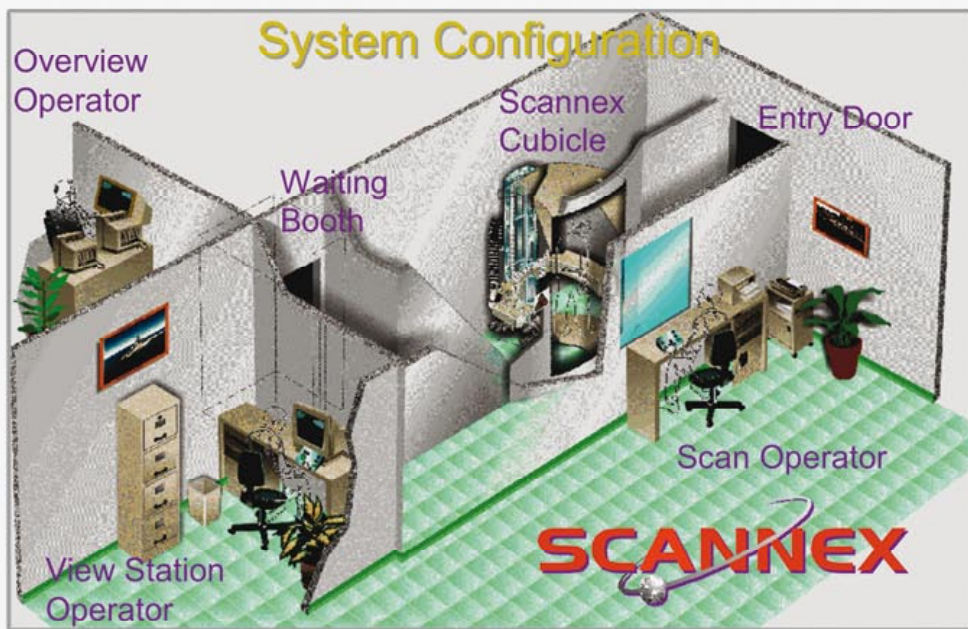
X-ray Body Scanner

Application

Scannex is a low X-ray dose, full body scanner for the purpose of resource protection. Its primary application is the detection or deterring of illegal diamond trade by personnel at diamond mining operations. The secondary application is in areas of general public access i.e. airports, prisons, etc.

Features and Specifications

- ◇ Scannex images are of high resolution and contrast, such that diamonds as small as 1 carat or clusters of smaller stones are able to be detected on or within the human body
- ◇ X-ray dose is extremely low, such that a high number of scans can be performed per year
- ◇ X-rays are collimated and produced as a narrow fan beam of parallel X-rays to enhance image quality
- ◇ Low energy X-rays are filtered, thereby reducing the quantity of X-rays absorbed by the human body. Complete scan within 10 seconds
- ◇ Images may be viewed as normal digital images, unsharp masked with sharpened edges or in a 3 dimensional mode with zoom capability
- ◇ The colour palette allows the viewer to adjust grey scales as required
- ◇ Up to 4 viewers may be connected to a single machine, thereby increasing the rate of persons being scanned
- ◇ Approval by the SA Department of Health for its intended use
- ◇ Completely safe operation with dual safety interlocks in key areas
- ◇ Person being scanned is in no contact with the moving parts of the machine
- ◇ Full operational diagnostic capability



Benefits

- ◇ Powerful deterrent to theft and coercion
- ◇ Non-contact, non-invasive technique, safe and efficient means to protect company resources
- ◇ Low X-ray dose per scan, thereby resulting in a high number of possible scans per person per year
- ◇ Stored images may be reviewed as required
- ◇ Fully compatible with an off-the-shelf X-ray dose management system

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