

Non radiation BagScan vs. x-ray scanner

Roteck has launched its new non radiation BagScan4 as a green alternative to common radiating x-ray baggage scanners. We have designed BagScan owing to the fact that in most applications x-ray scanners are technical overkill and many operators' are unable to interpret x-ray images properly. No wonder, a radiologist has to study several years above his medical degree, what can be expected from an operator attending a one or two days training course?

What for is a scanner needed anyway?

A security access points is usually fitted with a walk through metal detector in order to detect metals, mainly guns and weapons on people passing through a detector gate. But most people carry lots of metal which are not dangerous but need to be excluded from the probe. The easiest way is to provide a place to drop such metal content and screen it manually. It's a time consuming, indiscreet and unsafe process and performance is depending on of the security officer on duty. A more discreet and comfortable solution is an x-ray scanner who has advantages and disadvantages as described below, and also need an operator. The all new and inexpensive alternative is BagScan, suitable to replace x-ray scanners in many applications.

Pro's and con's

X-ray scanners can penetrate boxes, bags and luggage and make most anything inside visible. But, images have to be interpreted similar to a medical x-ray, scanners are bulky, heavy, quite power consuming, expensive and not suitable for temporary or mobile applications. If operated correctly the internal radiation is not dangerous or harmful – but there is still radiation and the human factor...

The Roteck non radiation BagScan is not able to penetrate and produce inside visuals, but an open box or bag will be scanned optically, whilst a high sensitive detector scans for remaining metal content. Optional UV light enables to identify traces of drugs and explosives. BagScan is extremely light weight and mobile, very power efficient, inexpensive and visuals don't require any interpretation. You see what you would also see in a manual check, just faster, more discreet and with automatically recorded evidence footage, and all that radiation free. BagScan does not even require an operator as it operates fully automatically, records all internal and external visuals and surrounding audio, and can transmit live footage via Wi-Fi to any enabled mobile unit in range.

