

The Ultimate Body Scanner for passenger control; carrying metal and non-metal weapons, explosives, dangerous liquids, diamonds, gold and illicit drugs inc. swallowed.

The Body Scanner provides the detection of all dangerous subjects within 10 seconds.

At the moment passengers carrying metal objects under their clothes are detected by electromagnetic walk through gates or by using handheld devices, but these systems do not detect non-metal subjects such as: plastic explosives, non metal weapons, flammable explosives and gases or liquids, this is where the Body Scanner comes in.

The Body Scanner is the only system which is 100% safe for the examination of passengers carrying any dangerous materials such as non-metal weapons and dangerous substances such as drugs.

The Body Scanner is based upon irradiation of the passengers by a very narrow flat scanning X-ray beam and its registration by the high sensitive multi-element of the X-ray detector.

The system provides a visual image on the screen within 10 seconds. This enables the operator to have the most effective visual control system of passengers.

The X-ray dose received by the passenger during the scan does not exceed the natural irradiation dose received during a one hour flight.

Can be used for entrance control of visitors at Airports, Prisons, Embassies, Nuclear Power Centres, Military Installations, Gold & Diamond Mines, Government buildings etc ...

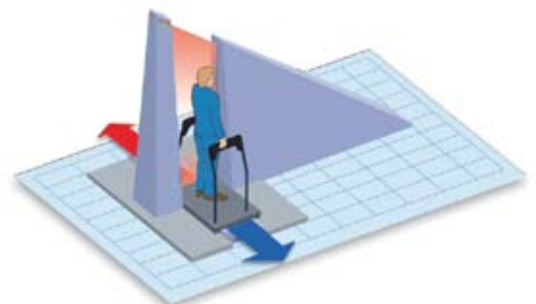
Advantages

- Full body scan within 10 seconds
- No controversial privacy issues
- Detect contraband in & on the human body within one scan
- Head to toe images
- No need for strip searches
- Significant upgrade of security tasks



It detects:

- Inorganic materials i.e. guns, knives, detonators, electronics, jewels, minerals and metals
- Organic materials; plastic explosives, drugs (hidden under clothing)
- Smuggling of contraband hidden in the natural cavities of the body



Specifications

General Characteristics

- Number of elements in the image - 2678 x 1200
- Time of scanning - 10 seconds
- Contrast resolution - 1%
- Space resolution - Low contrast items - 1.2mm
 - High contrast items - 0.15mm

Power consumption

- 2kW, 220V, 60Hz, 13 Amp

X-ray Generator

- Anode voltage - 100-160 kV
- Tube Current - 2.4 to 3.5 mA
- Water cooled
- 24 hours operational time

Stability

- Mounted into the floor
- Solid frame construction (vandalism proof)

Safety

- Emission per scan <2.5 microsiervets
- The radiation of one scan is equivalent to approximately half a day of exposure to naturally occuring background radiation or 40-60 minutes flight by plane.
- Operator will not be exposed to radiation

Operation

- Training on how operate the Body Scanner takes less than 1 hour
- For recognising the contraband the operator will join a one day training

Required Space

- 26m²

