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Body Orifice Security Scanner

The Body Orifice Security Scanner is a fast, non-intrusive, reliable, inexpensive, and simple to use scanning system. It enables non-intrusive scanning of anal, vaginal, nasal and oral cavities.

It is used by Prison Authorities and Military Personnel to screen inmates and visitors for small weapons and contraband metal objects.

The Body Orifice Security Scanner is an effective deterrent that makes the unpleasant task of searching body cavities safer and easier.

It detects single-sided razor blades, knives, hacksaw blades, shanks, nails, drill bits, tools, bullets, etc.

Possible Stabbings and slashings are reduced because fewer weapons enter and circulate within the inmate population.

Prior to transportation inmates can be scanned for handcuff keys and paper clips.

A handcuff key is detectable at a distance of 6 inches (150mm) from the sensor.

If drugs are concealed in metal containers or foil they will be detected.

Because the inspection is non-contact, officers and institutions are protected from the liability issues that can arise from unnecessary invasive cavity searches. This is particularly important in juvenile facilities.

Fast and Easy to Use

Detection sensors are housed in the frame of a chair, an oral and nasal scanning sensor is mounted on the side of the chair frame.

As a person sits down momentarily, their lower cavity or cavities are non-intrusively scanned by harmless low intensity magnetic fields, their mouth and nasal cavities are scanned as they place their chin near the Oral Sensor.

The whole procedure takes just a few seconds.

If metal is detected, visual and audible alarms activate, if desired, the audio alarms can be silenced.

Alarm activation occurs when a person carrying a concealed object moves within range of the detection field. An alarm is continuously activated for the duration that an object remains within the field.



WI Code: 10407/2

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Body Orifice Security Scanner

A Unique Measurement Technique

The high precision non-contact sensors provide instantaneous, high sensitivity detection; ferrous and non-ferrous metals, alloys and foils are detected.

The chair configuration is used because it ensures accurate positioning of the subject and optimal measurement geometry.

Excellent magnetic coupling occurs between the sensor and a concealed object because of the small separation between the subject and the detection sensor.

Each microprocessor controlled detection channel has a transmitter, receiver, alarm lamps, buzzer and its own independent sensitivity control.

The user can adjust the sensitivity control to select the size of weapon or object to be targeted.

A patented self-diagnostic program continuously monitors the local environment and insures drift free operation.

The Body Orifice Security Scanner utilises a combination of dynamic and true non-motion static detection techniques.

Unlike walk-through or hand scanning devices, it detects both moving and stationary objects.

Most metal detectors operate purely in a dynamic mode and only detect objects that are moving.

The ability to respond to both fast moving and stationary objects permits a rapid screening rate.

Relative to a walk-through or hand-held scanning device, a much higher measurement precision and accuracy is realised.

Rugged and Safe

The rugged chair assembly is constructed to withstand abuse, is equipped with wheels and is covered in a two-part epoxy coating.

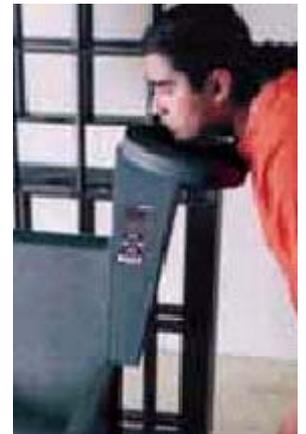
It can accommodate very heavy individuals.

The wheels increase the deterrence factor, allowing it to be easily moved between inmate receiving areas and cell blocks.

Snap searches can be conducted at any time.

The low intensity magnetic fields pose no danger to people with heart pacemakers or pregnant women.

No X-rays are used, so staff and inmates are never subjected to the effects of cumulative doses of radiation.



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Loss Prevention Applications

Manufacturers that produce precious or high value materials can use the Body Orifice Security Scanner to protect their assets.

It detects items such as gold shot, rings, watches and electronic components, a 1/8" (4mm) diameter gold shot can be detected.

An Expanded Version is available that includes sensors for screening the abdominal and foot region, the subject's foot is scanned when it is placed on the sensor strip positioned on the side of the chair.

Specifications

Power requirement: 110 / 240 VAC

Weight: 68 lb (31 kg)

Weight of Expanded Version: 86 lb (39 kg)

Dimensions: 53 x 32 x 30.5 inches (1346 x 813 x 775 mm)

Shipping weight: 81 lb (37 kg)

Expanded Version: 99 lb (45 kg)

Shipping dimensions: 41.5 x 25 x 25 inches (1054 x 635 x 635 mm)

Applications

Prisons, Jails and Detention Centres, Customs and Border Patrol Facilities, Military Bases, Precious Metal Mines and Refineries, Coin Counting Facilities, Jewellery and Watch Manufacturing, Computer Component Manufacturing

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