

B.O.S.S. (Standard)

Body Orifice Security Scanner

A Safe Non-Intrusive Method of Detecting Objects Concealed in Body Cavities

B.O.S.S. is a unique, fast, non-intrusive, inexpensive, high sensitivity detector designed to detect metal objects hidden in body cavities. It is commonly used in corrections facilities to scan inmates for weapons and contraband objects hidden in anal, vaginal, oral and nasal cavities. At some sites visitors are also screened.

B.O.S.S. has undergone extensive testing at US State and Federal Corrections facilities and has received considerable attention in both the electronic and print media.

Typical objects being targeted are razor blades, handcuff keys, paper clips, knives, shanks and tools. It also detects metal foils and objects such as detonator caps. Razor blades are of particular concern as they are difficult to detect in all orientations with walk-through devices. It has even been reported that prisoners are known to cut pouches in the insides of their cheeks to conceal razor blades.



Helps to Eliminate Stabbings and Slashings

B.O.S.S. minimizes the need for unpleasant intrusive manual searches and increases the safety of officers and inmates. Because the measurement method is non-intrusive, it eliminates the liability and safety issues associated with manual searches. It also saves the time and expense involved in X-raying a person suspected of concealing contraband metal.

B.O.S.S. can be used to conduct a 100% inspection of inmates being inducted into a facility, for cell block inspections and searches of inmates being transported. Scanning inmates prior to transportation enhances security by insuring that they have no handcuff keys or paper clips that could aid an escape.



B.O.S.S. is a powerful deterrent as it helps to limit the number of weapons that enter and circulate throughout the inmate population. In a recent A&E Channel T.V. documentary, officials from New York City's Rikers Island Jail reported that aggressive security measures, which include screening with B.O.S.S., have cut inmate gang related violence by 90%. Prisoners caught with weapons are being prosecuted.

In an article "*Prisoners' Weapons No Match for BOSS Chair*" by Jim Krane, an APB News Staff Writer (jimk@apbnews.com) reported that in 1990, 1,500 stabbings and slashing occurred in New York City's Jails. Last year this figure dropped to 229. He reported that Mr. Tom Antenen, a spokesman for New York City Department of Corrections, stated that B.O.S.S. is a component of the city's crack down on prisoner violence which had been spiraling out of control. The article also refers to a incident in Texas where a woman was caught concealing eighteen razor blades. At this same unit another woman was found to be concealing a needle.

The pictures below show the type of object being targeted.

Knives built into a pen and lipstick holder.



Mobility Increases the Deterrence Factor

B.O.S.S. is equipped with wheels, allowing it to be moved to cell blocks and other locations for snap inspections. It can be moved by tilting the chair backwards and wheeling it like a wheelbarrow.

Fast, Safe, Efficient Screening

The screening procedure is safe, fast and efficient. The person being screened simply positions his / her chin near the oral sensor and then sits momentarily in the chair. The entire procedure takes just a few seconds. Magnetic field sensors housed in the seat of the chair and the oral sensor assembly automatically interrogate for the presence of metal. Audio and visual alarms are activated when metal is carried into the magnetic field. An alarm remains activated for the duration that an object is within the low intensity magnetic field.

A Unique Measurement Technique

The measurement method is unique in so much that it detects ferrous and non-ferrous objects that are either stationary or moving. Eddy current field detection sensors are installed within the chair assembly. The geometry of the chair and oral sensor configuration provides tight magnetic coupling between the sensor and a concealed metal object. Because of the excellent geometry and the combination of dynamic and non-motion detection techniques, small objects are more reliably detected than with a walk-through or hand held detector. In a recent article in the National Law Enforcement and Corrections Technology Center's 'TECH beat magazine" it was reported that B.O.S.S. detected contraband objects and shrapnel undetected by hand held scanning.

B.O.S.S. APPLICATIONS

- Prisons, jails and detention centers
- Customs and Border Patrol facilities
- Precious metal mines and refineries
- Coin counting facilities
- Jewelry and watch manufacturing
- Computer component manufacturing

Specifications

- Power requirement: 110 / 240 VAC
- Weight: 68 lb (31 kg)
- Weight of Big B.O.S.S.: 86 lb (39 kg)
- Dimensions: 53 x 32 x 30.5 inches
(1346 x 813 x 775 mm)
- Shipping weight: 81 lb (37 kg)
- Big B.O.S.S.: 99 lb (45 kg)
- Shipping dimensions: 41.5 x 25 x 25 inches
(1054 x 635 x 635 mm)

For further info and price quote, please contact:

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