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The 3rd Generation of Intelligent Body Scanning System--DSBS





The system can be widely used in places such as airports, subway stations, railway stations, large stadiums, exhibition halls, government agencies, justice departments, banks, customs, land borders, mining, and jewelry processing enterprises.

The Intelligent Body Scanning System—DSBS is the latest generation of intelligent human body scanner with world-leading technology which can effectively detect bombs and drugs imbedded in the human body.

DSBS can also effectively detect metals, nonmetal bombs, liquid bombs, knives, corrosive chemical agents such as sulfuric acid and toxic powder.





- It displays bombs or drugs imbedded in the human body.
- It clearly displays metal, nonmetal, and liquid objects
- It respects privacy and displays no image of the human body surface.
- High efficiency of inspection, takes less than 2 seconds for each check. Especially suitable for populous public places.
- Dosage of one scan is equivalent to natural radiation dosage received on plane from Shanghai to Beijing for 4 minutes, no harm to the human body.

Background



From “9.11” terrorism attack, Bali bombings, and failed bomb attack at Los Angeles Airport to recent Moscow metro blasts, international terrorism becomes more frequent with more areas and bloodier means.

Facing the increasingly severe terrorist attacks, many governments around the world is enhancing safety & security measures.



Background



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- With various methods, worldwide drug trafficking is extremely rampant. In particular, conventional methods are often difficult to detect drugs concealed inside bodies. Hi-tech anti-drug scanning devices are urgently needed.
- It is vital for jewelry-processing industry to prevent thefts because of the particularity of the industry. Hand-held metal detectors and walk-through detectors can only detect metal objects and are helpless for such nonmetallic jewelry as gems, jade, pearls and so on.
- A variety of populous convention and exhibition centers are the targets of terrorist attacks, which cast shadow over the security issues of exhibitions.





- Preventing criminals in prison from taking illegal weapons and contraband has always been the focus of prison management.
- Thefts in bank vaults, currency-printing factories have occurred constantly, and are in upward trend. In particular, the staff carries counterfeit money for real money, conceals in the body and carries out. Such tricks are invisible and difficult to be perceived.
- The security check of government agencies and private luxury villa also cannot be neglected. It is vital to use the high-tech security scanning equipment.

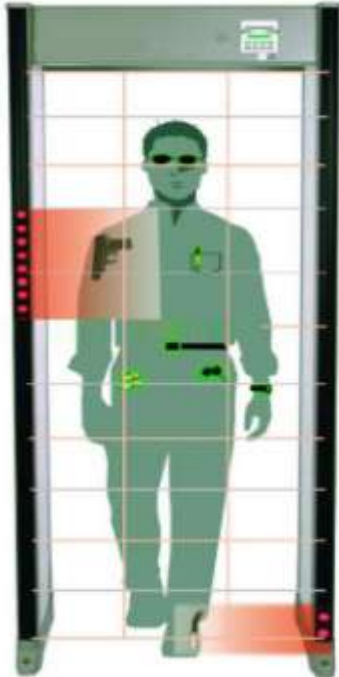
Disadvantages of existing security equipments



Widely used Walk-through detectors and hand-held detectors can only detect metal objects and are helpless for such non-metal objects as non-metal bombs, liquid explosives, toxic sulfuric acid and other corrosive chemical powder.

At present, the body surface scanner which is tried out by America, EU, Japan, Korea and other countries has the disadvantages of inconvenient operation, low efficiency and invasion of privacy. Therefore, it also cannot meet the demands of the market.





The first generation——metal detector

Such equipment only has alarm function instead of imaging function. What' s more, instead of non-metal objects carried by testees, it can just detect metal objects. It is the mainstream product widely used in public places like airports.

The 2nd Generation——Body Surface Scanner

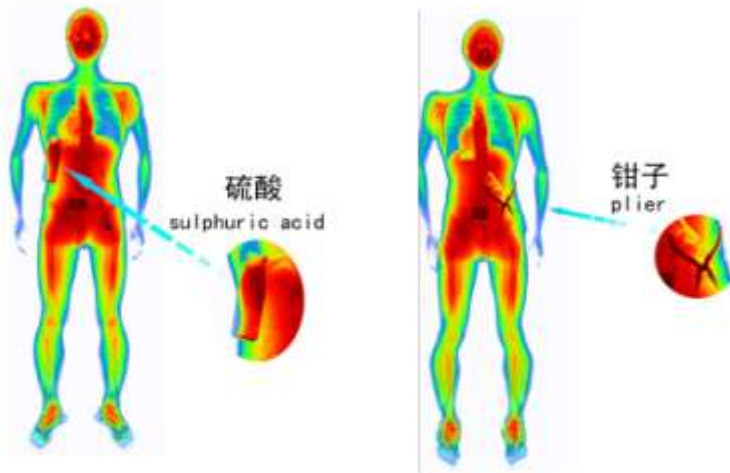


- By adopting X-ray scattering or millimeter-wave technologies, such equipment needs to scan two sides of testees but can only detect the object carried outside the human body. And it is helpless for the bomb embedded in bodies of terrorist.
- Currently, it is on small scope trial in UK and US. However, due to displaying the surface images of human body, the equipment is joked as “naked body scanner” . And there is severe controversy about whether it should be promoted.

The Development Tendency of Body Scanner



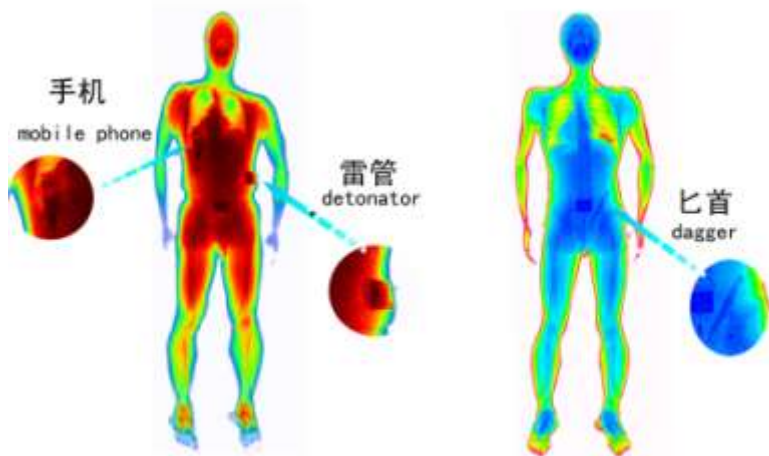
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The 3rd Generation——DSBS Perspective Scanner

The DSBS body scanning system can penetrate human body by adopting weak photon perspective technology.

It can detect not only metal, non-metal even liquid, but also drugs and bombs concealed in the human body, effectively ruling out threats.



It can more effectively protect testees' privacy because it displays no image of body surface. And it will be the main stream product in the future.



- Space resolving power: be able to distinguish wire pairs of 1.6 mm diameter.
- Wire resolving power: must distinguish the single solid copper wire of 0.211mm.
- Human body penetrating resolving power: must distinguish the iron wire of 3mm nominal diameter and organic matter of 5mm mol behind human body 300mm mol.
- Time for single check: less than 2 seconds/time
- single detection dosage: no more than 0.36 μSv (the dosage for taking once plane is 50 ~ 100 μSv)
- operation environment: temperature: 5°C ~ +40°C humidity: 0% ~80%
- storage environment: temperature: -10 °C ~ +60 °C humidity: 10% ~90%
- whole power: <1000W

Comparison of Radiation Dosage between DSBS and Others



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Category	Average Dosage(μSv)	Category	Average Dosage (μSv)
upper digestive tract photographing	120900	natural radiation background (1 year)	2000
cervical vertebra photographing	3900	smoking (2 packs)	3-6
chest photographing (PA)	500	safety dosage limit for film	10
DSBS	0.36	dosage received in 10 hours in airplane at high altitude	57

Authority examination showed that the single detection dosage of DSBS is only $0.36\mu\text{Sv}$, which will not cause any harm to the human body.



DSBS- II -A type



Size : **Length 2000mm**
 Width 1800mm
 Height 2320mm
Weight : **< 300kg**

Recommended to be used in factories, mine, enterprises

- It displays thoroughly explosives, detonator, lighter, printing ink, jewelry and diamond carried by the human body.
- It effectively detects metal, nonmetal, liquid and powder inside and outside of the human body
- Non-stop inspection, high efficiency, maintain smooth population flow.
- The dosage of single scan is equivalent to natural radiation dosage, without any harm to the human body.
- It respects privacy and displays no image of the body surface.



DSBS- II -B type



Size : Length 2510mm
Width 1200mm
Height 2320mm
Weight : < 300kg

Recommended to be used in airports, metros, stations, Customs, ports, large stadiums

- It displays bombs or drugs imbedded in the human body
- It exposes the knives, guns and combustible and explosive materials of liquid and powder carried by the human body.
- Non-stop inspection, high efficiency, maintain smooth population flow.
- The dosage of single scan is equivalent to natural radiation dosage, without any harm to the human body.
- It respects privacy and displays no image of the body surface.



DSBS- II -C type



Size : **Length 2040mm**
 Width 1265mm
 Height 2527mm

Weight : < 400kg

Recommended to be used in government departments, judicial departments, official mansions, villas

- It exposes the knives, guns, drugs, and inflammable and explosive materials carried by the human body.
- It clearly displays cash, gems, diamonds, pearls, agates, jade, silver and golden products.
- high efficiency, single scan takes less than 2 seconds
- The dosage of single scan is equivalent to natural radiation dosage, without any harm to the human body
- It respects privacy and displays no image of the human body surface.



Distribution Channels

Dashing Scan is looking for qualified products distributors to sale its series of DSBS products.

Types of Agents

- General Agent
- Exclusive Agent

Business Supporting from Agent

- Provide market and clients information
- Proceed the relevant market access approval and registration
- Sale DSBS Body Scan series products
- Provide customer service





General Agency Right

- Sale the DSBS products directly in the agency region.
- Bear all the expenses of all the business activities in the agency region.
- Buy the products according to the FOB Shanghai price from, and sells the products to customers, gain the price margin.
- Dashing Scan has the right to authorize any other party in the agency region to sell series of DSBS products
- Once Dashing Scan authorized any other party the exclusive agency right in the agency region, the general agency right will be disappear automatically.





Exclusive Agency Right

- Dashing Scan owns no right to authorize any third party to sell the DSBS products in the agency region in the promissory contract time and agency region.
- In the Agency Region, exclusive agent can sell the products directly or develops secondary agent to sell the DSBS products
- Exclusive agent can enjoy 15% off exclusive agency price than general agent
- Exclusive agent has to guarantee a certain sales volume
- Exclusive agent has to pay a certain amount of deposit



Authoritative Qualification and certification



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As the supplier of the most advanced third generation of intelligent body scanning system and the partner of security check with the Ministry of Public Security, product quality and technology of Dashing are confirmed by relevant authorities, as follows:

- ISO9001/ISO14001/ GB/T28001Certificate
- Qualified Test Report issued by Testing Center of Security and Alarm System Quality of the Ministry of Public Security
- Qualified Test Report issued by Shanghai Disease Control and Healthcare Assessment Centre
- Shanghai Research Project Acceptance Certificate





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