



High level of control and security for non-invasive body inspection.

INTEGRATED DOSIMETER

ARTIFICIAL INTELLIGENCE

SPECTRUM BODYSCAN

The Spectrum Bodyscan provides complete security to protect establishments such as airports, ports, railway stations, prisons, embassies, gold / diamond mines and government buildings. Due to its extremely low radiation dose, it is the only technology that can be applied for constant personal inspection, with the ability to detect hidden objects inside the body.

INSPECTION DETECTS

Guns

Explosives
and Líquids

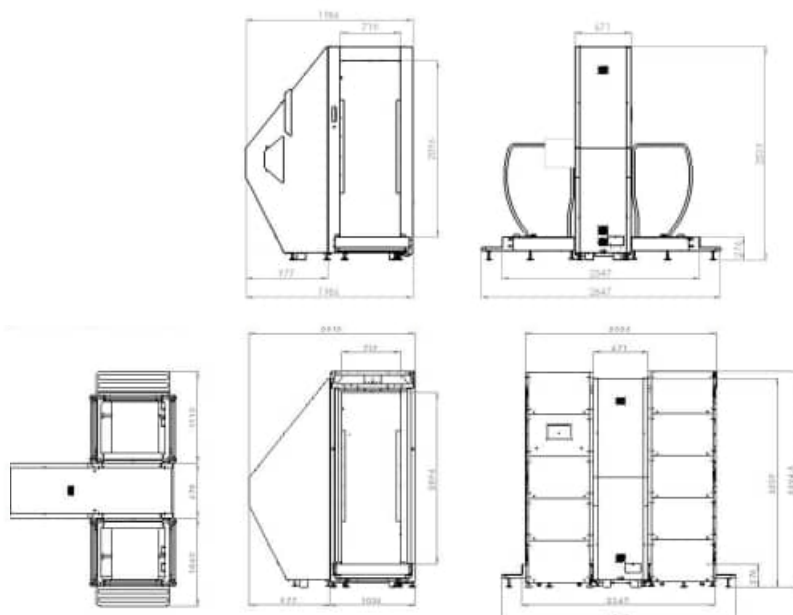
Ceramic
and plastic
blades

Eletronic
devices and
detonators

Narcotics
inside or
outside of
the body



SPECTRUM BODYSCAN



FEATURES

- Alert the operator in a situation that exceeds the number of acceptable scans according to the dose limit allowed
- Secure login with password to operate the equipment
- Marking and classifying inspected suspects
- Automatic control of the accumulated dose for each individual inspected
- Reports in English
- Separate database, containing positive threats, automatic accumulated dose records for each individual inspected
- Logins for different profiles, with access control according to each profile
- Database backup and recovery
- Operator's and inspected registration system

IMAGE PROCESSING FEATURES

- Zoom / Pan
- Contrast
- Gamma correction
- Edge highlight
- Smoothing
- Pseudo colorization
- Black / White inversion
- Image comparison
- Printing images
- Enables scanning of the entire body including the sole of the shoe
- Possibility to add annotations
- JPG, TIFF, BMP and VMI image export

OPTIONAL FUNCTIONS AND ACCESSORIES

- Identification camera: allows the acquisition of a photo of the individual's face at each inspection
- Inspection camera: allows to record the inspection process
- Shielding cabin
- Palm vein scanner
- Biometric reader for operator identification
- Biometric reader for identification of the inspected
- Full body and abdomen image with just one generator
- Barcode scanner

GENERAL DATA (without cabin | with cabin)

- Equipment length
2847mm | 2847mm / 112.1" | 112.1"
- Equipment width:
1986mm | 2013mm / 78.1" | 80.6"
- Equipment height
2539mm | 2625mm / 99.9" | 103.1"
- Weight
840 | 1680kg / 1851.9 | 3703.8lbs
- Power
780VA
- Power supply
110 - 127VAC / 208 - 240VAC
(-15% to +10%, 50Hz/60 Hz, +/- 3Hz)
- Operating temperature and humidity
0°C to 50°C / 5% to 95%
(non-condensing)
- Storage temperature and humidity
-40°C to 60°C / 5% to 95%
(non-condensing)

GENERAL SPECIFICATIONS

- Inspection channel dimension
2096mm (W) X 719mm (H)
82.5" (W) X 28.3" (H)
- Type of conveyor
Roller-driven rubber mat
- Scan time
7 seconds
- Load capacity
200kg | 440.9lbs
- Inspection dose graduation
High, medium and low
- Generator
170kV with additional filter *
- Wire resolution
38AWG
- X-ray detectors
Full body
- Monitor
24" High resolution
(configurable size)
- Inspection dose
1.3 to 2.86 µSv

SECURITY ITEMS

- Integrated dosimeter (optional)
- Intercom system between the inspected individual and the operator (optional)
- Emergency button to activate the inspected



LEGAL NOTICE:
VMI SECURITY RESERVES THE EXCLUSIVE RIGHT TO
EDIT THE TECHNICAL DATA OF ITS EQUIPMENT.



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