



Innovative solutions for security inspection at airports and airlines



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VMI Security develops X-Ray solutions for non-invasive inspection

We develop innovative technology, manufacture high quality systems and offer continuous support service for preventive and corrective maintenance. We are a company that goes from start to end, from the design of control and security systems to after sales technical support services.

The VMI Industrial Park was inaugurated in a área of 140,000m², with 25,000m² of built area, following the most modern construction and environmental preservation techniques, in accordance with ISO 9001 standards.



We develop high quality systems and according to international regulations and standards.



WE ARE A GLOBAL COMPANY

We export to **more than 50 countries** in the world and have collaborators on five continents.





Airports and aviation companies, whether transporting people or cargo, require a wide and accurate screening and security system. A system that has the latest technology and continuous updating, in order to detect threats of all types and sizes in a constant and non-invasive way.

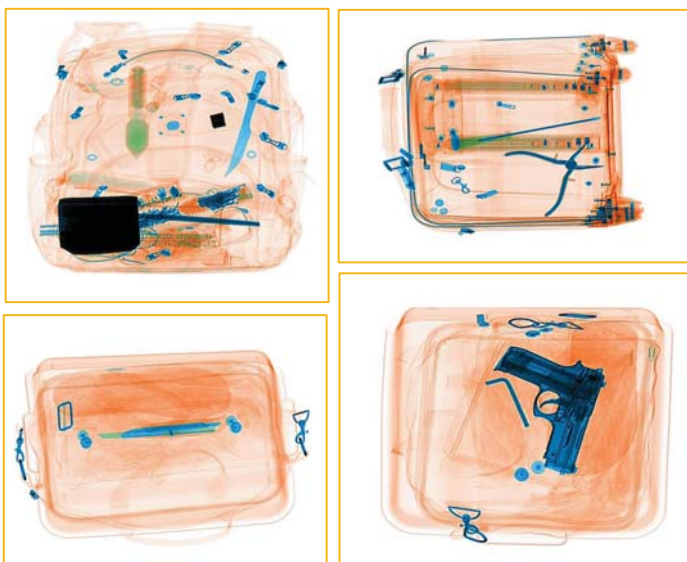
VMI Security understands this need and develops more than high-tech x-rays and scanners. What we offer to the market are complete solutions for sorting and non-invasive inspection of people, luggage, cargo and other objects.

Get full control over the entry and exit of people, objects and cargo.

With integrated solutions, our system ensures control and safety at every step of the inspection, all recorded by cameras to guarantee the total integrity of the procedures.



Systems installed at airports in Brazil.



WHAT DO YOU WANT TO INSPECT?



Only those with more than 30 years of experience and specialized expertise in X-ray solutions can guarantee the maximum security that airports and airlines need.

SPECTRUM BODYSCAN

Developed by experts in monitoring and security, Spectrum Bodyscan has state-of-the-art technology, which makes it possible to detect hidden objects inside the human body, extremely low radiation emission and the possibility of integration with other systems.

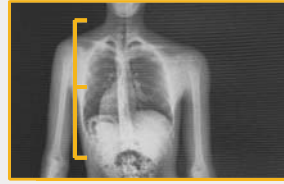


SHIELDING





Intelligent, non-invasive inspection



INTEGRATED DOSIMETER

X-ray dosage automatically adjusted according to the individual's size.



VIDEO CAMERAS IN THE INPUT AND OUTPUT OF THE INSPECTION PORTAL

A strategically placed camera system allows the ownership of each item or object to be legally identified and registered.



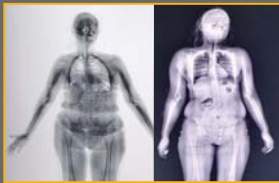
DETECTORS UNDER THE CONVEYOR BELT

Detectors under the conveyor belt for viewing hidden objects on the sole of the footwear.



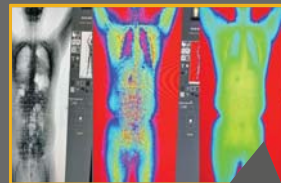
FACIAL RECOGNITION SYSTEM

Facial recognition system for user reception, inspection and user exit with sensors to identify the person on the carpet.



ARTIFICIAL INTELLIGENCE FOR AUTOMATIC OBJECT IDENTIFICATION

Speed and assertiveness increase with innovative software capable of automatically identifying the nature of different items.



REGISTRATION AND INTEGRATION SYSTEM WITH OTHER SYSTEMS

The Spectrum BodyScan system is a registration and integration system that allows it to be connected to the same or different systems of a unique list of items.



COMPARATIVE

SAFE RADIATION

SEE THE RADIATION RELATIONSHIP IN INSPECTION PROCEDURE SPECTRUM BODYSCAN AND DAILY ACTIVITY



140.000

SYSTEMS FOR SMALL VOLUMES INSPECTION

Control and agility in the inspection of bags, backpacks and other hand objects.



Versatile, the system of the Spectrum series is compact and easy to install, adaptable to the most varied environments of the Airports. In addition, our x-rays and scanners for small volume inspection have a high penetration function in steel and a high-resolution LCD monitor, providing an image generation of incomparable quality.



SPECTRUM
6040DV



SPECTRUM
6040M



SPECTRUM
6040

With an innovative illicit detection system, VMI Security's Spectrum series system was developed to meet the standards needed by security systems that require more agility and a high level of control in the non-invasive inspection of bags, backpacks and other small objects.

**TALK TO OUR
CONSULTANTS AND
KNOW WHO
ALREADY IS USING
VMI SOLUTIONS**



High performance and precision in the inspection of luggage, parcels and boxes.



SPECTRUM 7560



SPECTRUM 6550



SPECTRUM 5536



SPECTRUM 5333



VMI solutions have a camera and UV disinfection system.

Thus allowing the identification of the responsibility of each item and elimination (in the inspected items) of 99% of the microorganisms that cause diseases, whether viruses or bacteria in the vegetative phase and bacterial spores.

Agile and non-invasive hand luggage inspection



ARTIFICIAL INTELLIGENCE
FOR AUTOMATIC
IDENTIFICATION OF ILLICITS

Speed and assertiveness with innovative software capable of automatically identifying the most diverse objects and threats.



3D PERSPECTIVE
SOFTWARE

3D perspective expands the analysis capacity, when observing possible threats from different angles.



UV LAMPS FOR
DISINFECTION

Exclusive UV lamp system that performs the automatic disinfection of all inspected objects.



VIDEO CAMERAS
IN THE INPUT AND OUTPUT
OF THE INSPECTION
TUNNEL

Through a system of cameras strategically positioned at the entrance and exit of the inspection tunnel, it is possible to verify in a totally legal way the responsibility of each object.



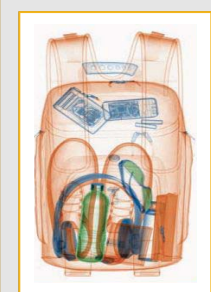
SPECTRUM
6040 DV



**INTEGRATED
CONTROL AND
REGISTRATION**



With an integration between Bodyscan and other Spectrum series systems, it is possible to relate the objects with the inspected individuals, leaving no doubt as to the authorship of the identified illicit acts. All in a form, absolutely within the law.



VMI X-RAY EQUIPMENT
AUTOMATICALLY
DISCRIMINATES
MATERIALS BY COLOR.

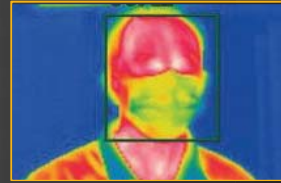
Color	Materials	Examples
	Organic	Hydrogen, Carbon, Nitrogen, Oxygen (plastic, paper, water, wood, food, some explosives and clothing)
	Mixed	Aluminum, Sodium, Chlorine, Salt, among others
	Inorganic	Iron, Nickel, Copper, Silver, among others.
	Low penetration region	High density and/or thickness materials

INTEGRATED & COMPLETE SOLUTION

SYSTEM
SPECTRUM



Portal **+**
Garrett



**GARRETT
SMARTSCAN**

SmartsScan is an accessory of the Garrett Portal that allows the measurement of body temperature during inspection processes.



**GARRETT
QUICK-Q**

Garrett's Quick-Q automatically differentiates cell phones from other possible threats, allowing for faster inspection procedures.

Super Scanner V

It is a manual metal detector with a detector head 8" (20.3cm) long, with high sensitivity that allows to detect ferrous and non-ferrous metals when approaching the object.



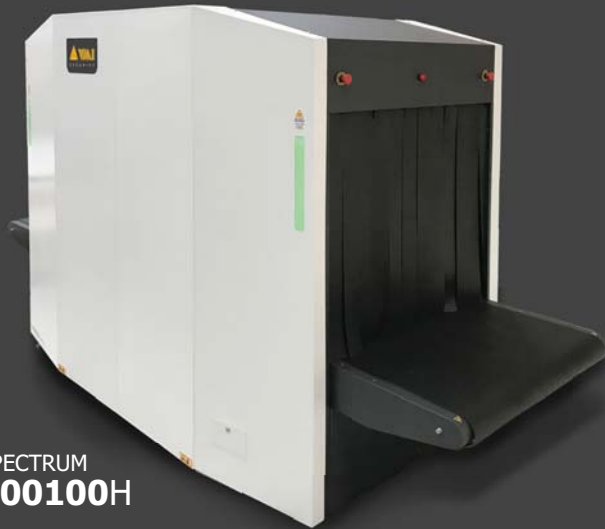
Airports and aviation companies receive, daily, a large flow of people. Almost always carrying personal luggage and cargo. But how to ensure the inspection of each of these items and the safety of passengers and employees? This is precisely what provides the integration of VMI Security's Spectrum system with the Garrett Metal Detection Portal.

The Garrett Portal has multiple receivers distributed inside, high density transmitters with low radiation and advanced programming that allows detection adjustments and high sensitivity. The equipment has 33 independent detection zones and a light bar on both side panels that light up at the height and on the side where the metallic object is detected.



LARGE VOLUMES INSPECTION SYSTEMS

**X-rays and scanners
high power and with
cutting edge technology**



SPECTRUM
100100H



SPECTRUM
100100HDV



SPECTRUM
100100DV

In a globalized world, airports have become important economic links. Whether as distribution centers or as business spaces. However, they also came to occupy a strategic position for organized crime, especially for drug or arms trafficking. This makes end-to-end inspection essential. The equipment in the VMI Spectrum line is available with different track heights and has powerful generators, with a high penetration function, which guarantee a fast and efficient inspection of different volume sizes, with clear images of objects and automatic color differentiation.



Spectrum 100100 DV equipment installed at Lima airport in Peru.



LARGE VOLUMES INSPECTION SYSTEMS

Identification of
threats on pallets
and large volumes.

The Spectrum VMI series of system for inspecting pallets and large volumes is available in **Single and Dual View versions.**

The innovative Dual View technology ensures double vision for accurate and automatic identification of threats in a single inspection of the load, with integration for viewing through the VMI software application.



TALK TO OUR CONSULTANTS
AND FIND OUT ABOUT THE
VMI SYSTEM FOR VEHICLE
AND CONTAINER
INSPECTION.



CCTV



INTEGRATION



VIDEO



VMI's Spectrum series system is ONVIF approved

Scale monitoring with intelligent tracking that integrates security systems with Spectrum line equipment.

Open Network Video Interface Forum allows the creation of another safety level in the security system and integration with other tools. With this solution, the images generated during the baggage inspection process and those of the people when they place their belongings on the conveyor belt, are sent to a Camera Monitoring Center, allowing for more strategic management and continuous monitoring at a distance.



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Talk to our consultants and request a solution for your organization.



www.vmisecurity.com