

State-of-the-art systems for control and inspection of border posts







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.



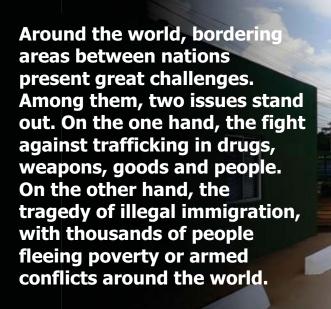




WE ARE A GLOBAL COMPANY

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

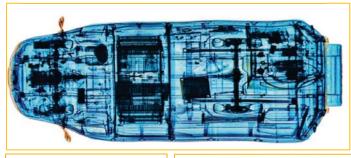




In this scenario, governmental measures to prevent and combat border illicit activities become relevant. Especially because the activities originating from organized crime, as well as the illegal entry and permanence of foreigners, have a direct impact on government activities, especially in sectors such as security, health, economy and national treasury.

Thus, the constant presence of a control and screening system in border areas and checkpoints is not just a matter of public security, but, above all, national sovereignty.

Get full control of people, luggage, objects, cargo and vehicles.









Our equipment is developed by security experts, to attend each stage of sorting and inspection in border areas and adapts to the most diverse environments, internal and external.

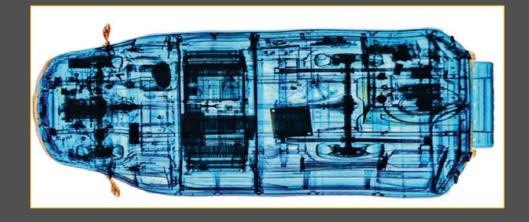
WHAT DO YOU WANT TO INSPECT?



Only those who have more than 30 years of experience and specialized expertise in X-ray solutions can bring the security that border and customs areas need.

SYSTEMS FOR INSPECTION OF VEHICLES AND CONTAINERS





X Ray Generator power of 320kV, with forced oil cooling, allowing the continuous operation of the equipment with a high volume of inspections, in addition to ensuring long life of the image generation system.

More control

of the borders

The Spectrum Cargo Compact was

medium-sized cars. The system

developed for non-invasive inspection of small and



SPECTRUM CARGO

High energy scanner for trucks and containers.

Spectrum Cargo is available in Single and Dual Energy versions. The Single option can generate high quality black and white images, while the Dual version produces color images. The model has an innovative system that makes the identification through the atomic number of the inspected material, differentiating by color the organic, inorganic materials, metals and high density materials.



System installed in Egypt

Inspection of trucks and containers requires the latest technology. For this reason, Spectrum Cargo uses an innovative automatic scanning procedure that allows constant vehicle traffic at the inspection site and up to 150 procedures performed per hour.

Complete and efficient system for areas that require a high level of safety

Integration with dynamic weighing scale.

System of automatic identification of radioactive materials.

Integration with OCR for Containers ID's and vehicle plates.

With the most modern linear accelerator in the world, Spectrum Cargo guarantees high penetration into the steel and fast data transfer. These characteristics make the model an indispensable ally for screening and inspection of environments that require a high level of control and security in situations of intense flow.



OPTIONAL

Detection portal that monitors the radiation level to identify the presence of radioactive material.





Mobility and agility for inspections in any environment

The surprise factor is a great differential in combating illegal activities, such as smuggling and embezzlement. Therefore, many of the inspection operations are carried out at mobile stations, especially along roads and highways.

The Spectrum Van is the ideal equipment for this. With high mobility and capable of withstanding an intense flow, it allows full tracking of loads of different dimensions, being an important ally in mobile inspection of luggage and objects.

Mobile Operator Cabin





With a modern design, the Spectrum 100100 Van has suspicious image re-analysis software, a video monitoring system and the possibility of integrating data and images with inspection systems from the Spectrum series.

SYSTEMS FOR SMALL VOLUMES INSPECTION

Versatile, the Spectrum series systems are compact and easy to install, adaptable to the most varied environments. This characteristic is fundamental when considering the architectural diversity of the places where checkpoints, inspection and customs posts are installed.



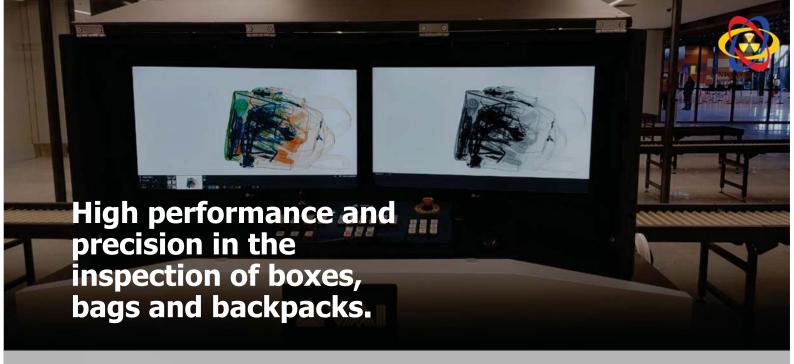
SPECTRUM **6040**DV



SPECTRUM
6040M











Spectrum series systems are available in Single and Dual View versions. The latter ensures double vision for accurate and automatic identification of threats such as drugs, weapons and other illicit activities in a single inspection of objects, bags or backpacks.

In addition, VMI's solutions have a disinfection system using UV lamps, which promote the elimination (in the inspected items) of 99% of disease-causing microorganisms, whether viruses or bacteria in the vegetative phase and bacterial spores

Non-invasive and intelligent 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 SOFWARE

3D perspective software expands the analysis capability, when looking at potential threats from different angles.



UV LAMPS FOR DISINFECTION

Exclusive UV lamp system that automatically disinfects all inspected objects.



VIDEO CAMERAS
AT THE INSPECTION
TUNNEL ENTRY AND EXIT

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



Examples

Color Material

Accurate and totally legal identification responsibility for possible threats and illicits.

DVIE



VMI X-RAY SYSTEMS DO AUTOMATIC DISCRIMINATION OF MATERIALS BY COLOR.

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 materials and/or great thickness.

COMPLETE AND INTEGRATED SOLUTION





Border areas, checkpoints and customs require not only a rigorous security inspection and control process, but also a discreet and non-invasive process. After all, despite its performance being essential to combating international crimes, an inadequate inspection procedure, whether for tourists or immigrants, can cause undesirable diplomatic incidents.

The integration of VMI Security's Spectrum equipment with the Garrett Metal Detection Portal provides a non-invasive, complete, fast and efficient screening and inspection process; even in situations of high flow of people.

Portal Garrett has multiple receivers distributed inside, high density transmitters with low radiation and advanced programming that allows detection adjustments and high sensitivity.

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.





GARRETT SMARTSCAN

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



GARRETT QUICK-Q

Garrett's Quick-Q automatically differentiates cell phones from other potential threats, enabling faster inspection procedures.



VMI's **Spectrum** series equipment is **ONVIF** homologated



Scale monitoring with intelligent tracking that integrates security systems with Spectrum series systems.

With the protocol Open Network Video Interface Forum, the images generated during the baggage inspection process and the images of people when they put their belongings on the conveyor belt, are sent to a Camera Monitoring Center, enabling a more strategic management and continuous monitoring at a distance. Providing more control for the manager and security for citizens, servers, employees and collaborators.



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

