



# Portal VACIS<sup>®</sup>

## Gamma-Ray Imaging System

### Compact, high-throughput container imaging for ports and border crossings

The Portal VACIS imaging system helps trained operators see the contents of closed containers, assisting them in intercepting weapons, contraband, and other items of interest and verifying shipping manifests.

The Portal VACIS system's patented drive-through technology lets trucks drive through the system without stopping, providing an effective solution for high-traffic situations where lengthy manual inspection processes are impractical or undesirable. The system's unique dual gamma-ray source configuration images cargo from top to bottom, yet the system is small enough to be installed in most existing traffic lanes. Sophisticated sensors ensure that only cargo is directly scanned, never drivers. The system's dose per scan is extremely low, further enhancing safety for drivers, operators, and bystanders.

Combining compact size and high-throughput scanning with imaging technology proven in hundreds of VACIS systems installed around the globe, the Portal VACIS system is an ideal imaging solution for ports, border crossings, or wherever high-throughput scanning is required.

### BENEFITS

- ▶ High throughput drive-through operation
- ▶ Automatically scans cargo containers only — never drivers
- ▶ Low radiation dose per scan
- ▶ Compact physical footprint

## FLEXIBLE OPERATION

The Portal VACIS imaging system can be factory-configured to operate in one of two modes. In stop-and-go mode, vehicles stop before entering the system, which may support additional inspection scenarios. In high-throughput continuous scan mode, 150 or more trucks with containers can move through the system per hour under their own power without stopping — only the container is scanned, never the driver.

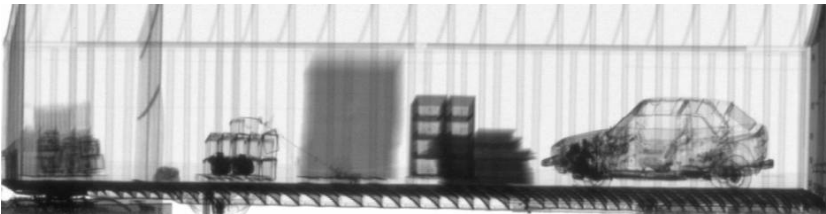
The Portal VACIS system can be deployed directly in most existing checkpoint traffic lanes and entry gates. In most cases, the system can be fully integrated with existing driver and vehicle identification systems, weigh-in-motion scales, radiation portal monitors and terminal operating systems. The Portal VACIS system is available in Standard, Enhanced, and High-Resolution configurations.

## FOCUS ON SAFETY

Patented detector technology allows trained inspectors to see the contents of closed containers through six inches of steel when equipped with cobalt-60 sources. The system's direct radiation dose per scan to cargo is extremely low — a thousand times less than a dental X-ray — and the scatter dose to drivers, operators, and bystanders (who are never scanned directly) is even lower.

## LEIDOS — A WORLD LEADER

Leidos is a world leader in nonintrusive imaging technology, with hundreds of systems installed for government and commercial clients around the world. Every VACIS system is backed by our dedicated installation, training, maintenance, and technical support.



## CAPABILITIES

- ▶ Scans vehicles in the typical flow of checkpoint traffic
- ▶ Fits directly into most existing traffic lanes and entry gates
- ▶ Extremely low radiation dose enhances safety for drivers, operators, and bystanders
- ▶ Penetrates six inches of steel
- ▶ Can be easily networked with other systems via Ethernet connections

## OPTIONS

- ▶ Cesium-137 or cobalt-60 sources
- ▶ Operator booth
- ▶ Standard, enhanced, or high-resolution detectors