Rapiscan Systems | AS&E

Part of the OSI Systems family of security companies
IN A WORLD WHERE THREATS CONTINUE TO EVOLVE and concealment techniques are becoming more sophisticated, our customers are facing more complex, difficult missions than ever. Every day, we strive to create screening solutions that are on the cutting edge of innovation, using the most advanced technology, to help them solve their detection challenges.

We deliver products and services that help our customers find threats and contraband with ease and confidence, while maximizing operational efficiency. Our global service network enables us to respond to customer needs quickly and provide exceptional support, because we know that every moment of uptime is critical.

We understand the importance of our customers’ missions — from uncovering trade fraud, to combating terrorism, to detecting drug and weapons smuggling, to exposing illegal immigration. That’s why it’s our mission to help them succeed.
REAL-WORLD EXPERIENCE YOU CAN RELY ON

Elite customers in strategic markets choose Rapiscan Systems | AS&E to help them protect critical borders, ports, high-threat facilities, and checkpoints. With more than 2,000 cargo and vehicle inspection systems sold in over 100 countries around the world, we have established an unparalleled global service, parts, and manufacturing network equipped with local market knowledge to ensure each customer receives a timely and efficient response.

Our customers rely on us to maintain the continued operation of their screening solutions — and we strive to consistently provide the unsurpassed service and support they have come to expect from our organization.
Best-in-class images start with cutting-edge X-ray technology. With more than 75 years of collective experience in X-ray imaging and a commitment to innovation, our advanced technology facilitates detection of a multitude of threats and contraband, ensuring our cargo screening systems meet the most demanding requirements.

- **High-energy, dual-energy transmission** technology penetrates dense cargo to generate colorized X-ray images that discriminate between organic and metallic materials

- **Z Backscatter® technology** provides photo-like images that highlight organic threats and contraband, including explosives, currency, and drugs

- **Complementary imaging** uses both transmission and Z Backscatter technologies for improved manifest verification and threat detection
THE RIGHT SOLUTION FOR YOUR MISSION

FROM THE LEADING PROVIDER OF CARGO SCANNING PRODUCTS AND SERVICES

Whether you need to scan vehicles at a busy checkpoint, screen densely loaded cargo at a congested port, or simply require a screening system that delivers high value at a low cost of ownership, our deep industry expertise and broad array of screening systems ensure we can define and deliver the ideal solution for each mission.

Our range of high-to-low energy cargo and vehicle screening systems comes in a variety of configurations — mobile, portal, gantry, rail, trailer, air cargo, and handheld — and many leverage multiple X-ray technologies to simultaneously provide multiple views of the scanned object for greater assistance with detection.

Our commitment to excellence in imaging performance, innovative design, and uncompromising quality means our solutions consistently deliver best-in-class imaging, high reliability, and operator satisfaction, to help you find more threats and contraband with ease and confidence.
For remote or space-constrained environments, our range of high-to-low energy mobile screening systems provides a flexible, easily maneuverable solution for cargo and vehicle screening at seaports, border crossings, and checkpoints. Whether inspecting dense cargo or screening passenger vehicles for threats and contraband, our mobile screening systems deliver real-time transmission and Z Backscatter® images for rapid analysis.
Our range of high- and low-energy portal systems offers drive-through screening of cars, trucks, and cargo to assist with the detection of explosives, drugs, alcohol, and other contraband. Ideal for heavy traffic gateways, our high-throughput portal systems deliver superior imaging and operational flexibility to help protect against trade fraud and threats, without slowing the flow of commerce.
GANTRY

Our high-performance gantry inspection systems use the industry’s most advanced imaging technologies — high-energy transmission and Z Backscatter® — to reveal threats and contraband and verify contents in dense cargo, alleviating the need to manually inspect each container. With our material discrimination technology, operators can visually differentiate classes of material such as low-density explosives and drugs, and high-density materials such as steel for fast, efficient screening.

TOP: High-energy transmission image
BOTTOM: Dual-energy transmission image with material discrimination

CLOCKWISE FROM TOP: Rapiscan Eagle® G60; AS&E OmniView® System; AS&E OmniView® ZBx System
Our high-energy rail systems deliver automated, rapid scanning of rail cargo as it passes through the system. Our cutting-edge rail cargo systems support single- or multi-track operations as well as single-direction or bi-directional scanning, and scan all types of non-passenger rail freight — including cargo containers, double-stacked containers, and two 20-foot containers on rail cars.
TRAILER

Our trailer-mounted, drive-through X-ray inspection systems deliver fast, accurate, and efficient cargo screening to verify contents and identify the presence of hidden contraband, such as weapons, explosives, and drugs. The trailer is fully self-contained and easily towed and deployed — an ideal solution for changing operational requirements at locations such as seaports, border crossings, and checkpoints.
AIR CARGO

With high-penetration and best-in-class imaging, our powerful, high-energy air cargo screening systems safely and efficiently inspect single- or mixed-commodity air cargo pallets and containers. Designed specifically for air cargo facilities and operations, the systems automatically scan cargo as it moves through the inspection tunnel, maximizing throughput to support busy inspection operations.
When you need on-the-go detection of drugs and organic threats, our MINI Z® handheld system is the ideal solution. A compact, single-sided Z Backscatter® imaging system, the MINI Z can scan in hard-to-reach areas, making it an effective tool for scanning furniture; packages; vehicle tires; and interiors of cars, boats, and aircraft.

LEFT: Z Backscatter image of drug simulants hidden in a tire
RIGHT: Composite image with color palette applied highlights marijuana simulant hidden in a car seat
In the Middle East, the ZBV mobile scanning system’s Z Backscatter® technology helped detect chemicals used to make improvised explosive devices that were hidden in the back of a truck.

The Yunnan MOPS Drug Enforcement Agency used the MINI Z® handheld imaging system to scan baggage at various checkpoints along bus routes and successfully seized drugs hidden in the luggage of a passenger bus.

11.25 pounds of heroin with a street value of $360,000 were seized in El Paso, Texas, with the help of our Z Portal® system that scanned a vehicle entering the port from Mexico. The heroin was hidden in the driver-side, rear-door compartment.

As part of an effort to combat drug trafficking in the Cusco and Ayacucho regions, the narcotics division of the Peru National Police seized more than 800 kilos of cocaine with the help of the ZBV® system.

At the Port of Durres in Albania, a Rapiscan Eagle® high-energy inspection system helped detect 64 packages containing 69 kg of cannabis concealed in a hidden compartment of a truck transporting a load of wood.

With the help of the Rapiscan Eagle® M60 high-energy mobile inspection system, more than two tons of marijuana worth $2.3 million were discovered in two commercial shipments at a border crossing.
SERVICE AND SUPPORT

Rapiscan Systems | AS&E Global Technical Support and Customer Service teams ensure your X-ray inspection systems are serviced quickly and efficiently. Our maintenance and support services are available 24 hours a day, 365 days a year, and spare parts depots are maintained strategically around the globe to ensure that systems are repaired in a timely and cost-effective manner. We offer interactive, hands-on product training, as well as classroom instruction at our state-of-the-art training facilities or at customer sites around the world.

GLOBAL SUPPORT
Technical Support and Customer Service teams ensure your systems are serviced in the most efficient manner possible.

SPARE PARTS DEPOTS
Maintained in strategic locations around the globe to ensure that systems are repaired in a timely and cost-effective manner.

PRODUCT TRAINING
Training is offered onsite at our state-of-the-art U.S. and U.K. manufacturing facilities, or at customer sites around the world.

MULTI-VENDOR SERVICES
A single point of contact for the service and support of all of your Rapiscan | AS&E and third-party security equipment and peripherals.