

Highest throughput, fully automated drive-through inspection system

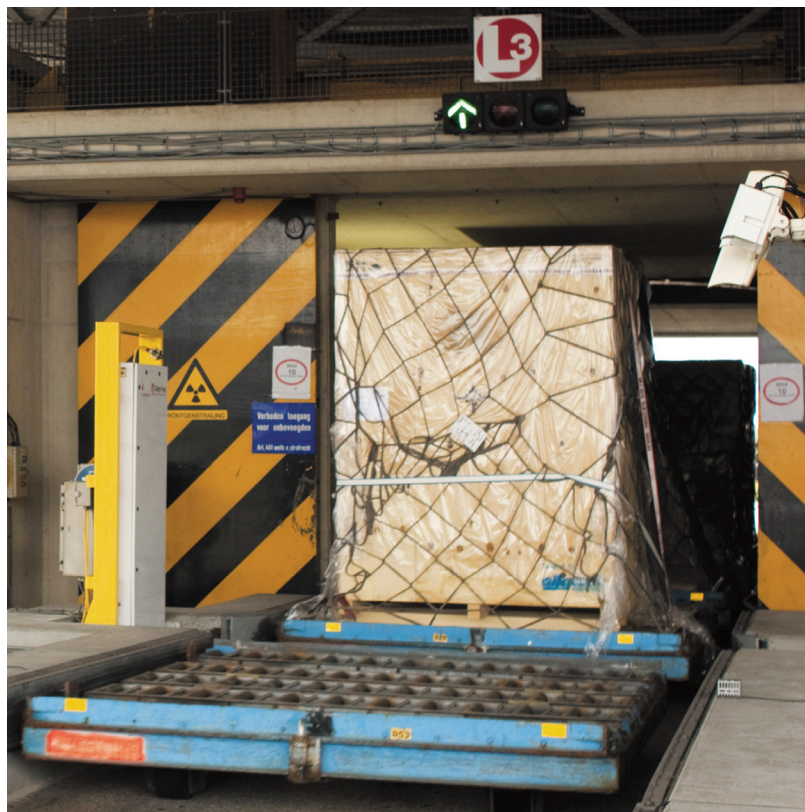
With the highest level of screening throughput, the high-energy CX-Portal keeps commerce moving. This security and customs inspection system combines drive-through convenience with a multi-tiered safety system that allows drivers to safely remain in the cab during scans. CX-Portal is the most efficient solution for eliminating bottlenecks at ports, airports and other high-volume cargo inspection locations.

The CX-Portal's flexible architecture supports a range of scanning speeds, while automated operation minimizes costs and enables more efficient use of staff.

Dual-energy material discrimination is a key element of L-3's ClearView™ Imaging on the CX-Portal. This capability differentiates between organic and inorganic materials, helping analysts identify suspicious contents faster.

With L-3's ClearView™ Workstation, analysts can detect threats, contraband and misrepresented goods quickly and accurately. The extendable software platform seamlessly integrates data from multiple X-ray systems and a host of other sensors, such as radiation detection.

L-3's Cargo Solutions provide both configurable products and customized solutions that address each customer's unique requirements. The CX-Portal is part of a family of platforms that serve the full range of cargo environments and applications.



SPECIFICATIONS (typical)

Performance

Scan speed: 20 m vehicle in 12 sec at 7.5 km/hr
Upgradable to 6 sec at 15 km/hr

Physical Specifications

Overall length: Varies with operational requirements
Overall width: 8.0 m (26.2 ft)
Overall height: 5.8 m (19.0 ft)

Tunnel Dimensions

Height: 5.0 m (16.5 ft)
Width: 3.8 m (12.5 ft)

Power

Power supply: Line power or optional dedicated generator

Environment

Operating temperature with optional kit: -40° C to 60° C (40° F to 140° F)
Humidity: 95%, non-condensing (precipitation will not impact system operation)
Materials: Corrosion resistant

Safety

- Meets applicable U.S. and international regulatory requirements for radiation safety
- Automated safety interlocks initiate scan only after the driver passes
- Visual and audible warning systems when X-rays are in use
- Designed for compliance with UL and CE requirements
- Velocity sensor interlocks to ensure X-rays do not dwell on stopped vehicles, emergency stops and optional IR fence



CLEARVIEW™ IMAGING SYSTEM

Source

- 6 MeV wide-angle interlaced linear accelerator with low-leakage head

Detector Array

- Solid state detector elements with extremely low noise electronics designed for high signal-to-noise ratio

CLEARVIEW™ WORKSTATION

Image Analysis

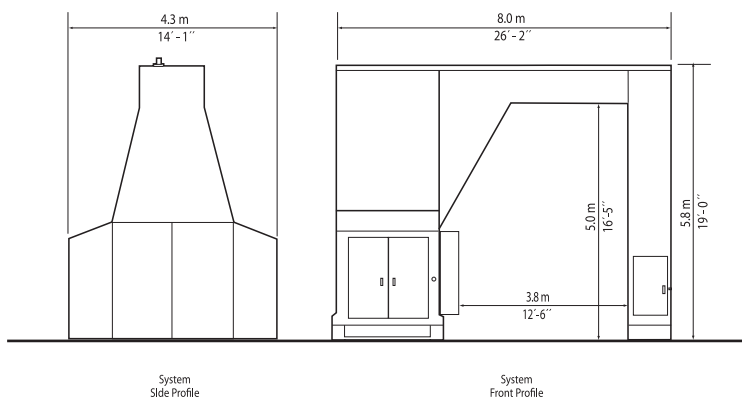
- Integrated display of all data and sensors
- Full suite of dual-energy X-ray image analysis tools
- High/low penetration modes
- Histogram scan and equalization
- On screen comparison with reference images
- Marking of suspicious areas with text and graphics

Inspection Workstation

- High-performance Intel® processors
- Image analyst workstation with 24-inch LCD screen
- 24-inch LCD manifest screen
- Windows®-based analyst workstation software
- Image and associated information archiving
- Image printing and storage in multiple industry standard formats

OPTIONS

- Dual-energy material discrimination
- Gamma and neutron radiation detection
- Manifest data integration
- Traffic management
- Threat Image Projection (TIP)
- Container number reader
- License plate reader
- Networkable infrastructure for remote analyst and site-to-site capabilities
- Cold- or warm-climate packages
- Air-conditioned and self-contained ISO container outfitted with image analyst operator room
- Operator interface available in multiple languages
- Additional image analysis workstations



Security & Detection Systems

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