CX-Gantry™
Cargo Inspection Solution

Highest-quality image performance in a configurable, relocatable platform

The most powerful cargo inspection system available, L-3's CX-Gantry sets a new performance standard. Combining full coverage and high penetration while maintaining high resolution for ultimate image quality, the CX-Gantry enables maximum confidence in security and customs inspections of vehicles and cargo containers at borders, ports and high-threat facilities.

L-3's proven gantry design enables efficient inspection of large freight loads, from fully loaded 18-wheelers to ISO intermodal shipping containers and air cargo ULDs. Because the CX-Gantry passes the X-ray source over stationary unoccupied objects, it can scan the entire target while maintaining precise control over the scanning speed. This complete coverage, along with high penetration, enables the CX-Gantry to deliver the clearest images and best detection capability available.

Dual-energy material discrimination is a key element of L-3's ClearView™ Imaging on the CX-Gantry. 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 in the cab, on the undercarriage or anywhere else in the vehicle or container. 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-Gantry is part of a family of platforms that serve the full range of cargo environments and applications.

SPECIFICATIONS (typical)

Performance
Scan time: 20 m vehicle in 50 sec

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

Scan Control
Speed: Selectable up to 1 m/sec

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
- Visual and audible warning systems when X-rays are in use
- Designed for compliance with UL and CE requirements
- Safety interlocks for scan speed, gantry position, emergency stops, optional IR fence and motion sensors
- Automatic collision avoidance systems (option)

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

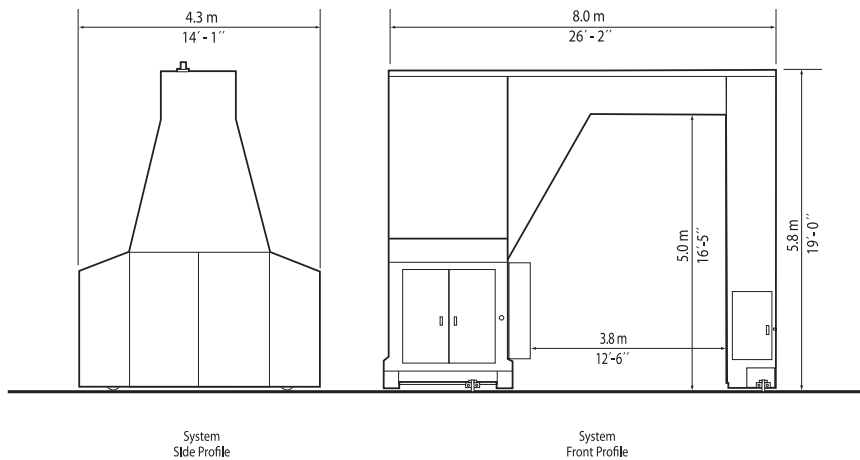## CLEARVIEW™ WORKSTATION

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
- Undercarriage cameras
- 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

System Side Profile

System Front Profile

Security & Detection Systems

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