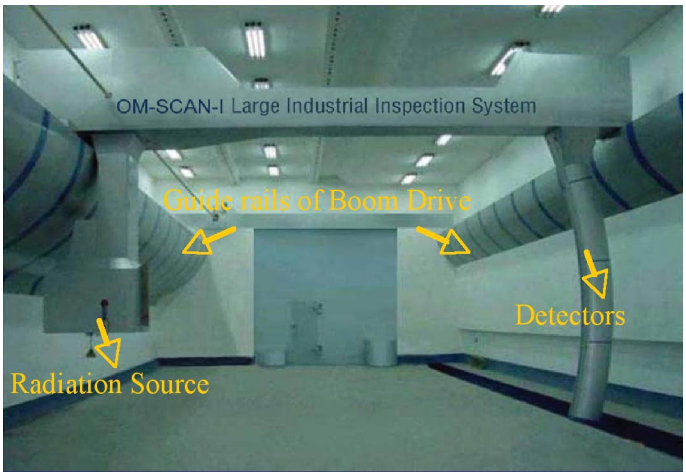
OM-SCAN-I Fixed Inspection System



Application:

Used for the rapid non-intrusive inspection of 10, 20, 40ft containers or cargo trucks and reefers, it can also be used for tankers, small trucks, minibuses and private cars; false walls, hidden compartments and configuration changes will quickly be identified.

A. It is a gantry design configured in a fixed inspection tunnel for minimum size and optimized radiation safety, 10m wide and 28m long. All of the mechanical structure which forms the basis of the gantry is mounted above ground; the ground level is free of rails trenches and able ducts.

B. Overall the design is simple in structure. It has one radiation source and one detector array which are moved synchronously by overhead gantry drive while passing over the vehicle to be screened. The target vehicle remains stationary for the duration of the scan once it has entered the screening tunnel.

C. With minor changes the system can be adopted for use with an electronic source (linear accelerator) for improved overall performance if the customer need dictates it. The higher output x-ray source requires the introduction of greater radiation shielding.

Technical Specifications:

Penetration:	≥ 200 (Typical) ~ 180mm (Guarantee) steel block
Resolution:	≤ 0.8 (Guarantee) ~ 0.6mm (Typical) gauge wire in air
Spatial Resolution:	< 6mm (detecting unit size)
Scanning Speed:	5 ~ 20m per minute
Image size:	1024×4096
Maximum Dimensions of Containers Scanned:	4m wide, 4.6m high and 18m long
Throughput:	30 40ft container trucks per hour
Maximum Inspection Dose (MID):	≤ 10.0μSv per scan Meets all published international standards for radiation protection
Working Condition:	temperature -5°C ~ +55°C, and relative humidity 95% or less, no condensing
Storage Condition:	temperature -20°C ~ +60°C, and relative humidity 95% or less, no condensing
Footprint of Inspection Channel:	10m wide and 28m long
Power Consumption:	380V AC/220V AC±10% 50/60Hz±3Hz;20KW

Omni Security
339 S. Cheryl Lane,
City of Industry, CA 91789
Phone: 909.869.1686
Fax: 909.598.2936
sales@omnisecinc.com