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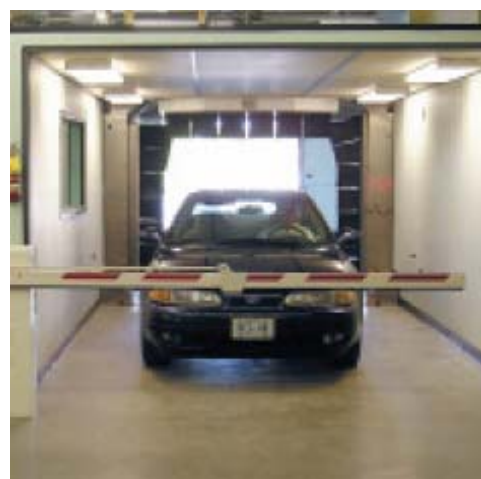
VE6000 Large Vehicle Bomb Detection System

In the continuing fight against terrorism, the VE6000 is the answer to one of the terrorists' greatest threats — concealed explosives. VE6000 is an integrated system solution addressing the need for detection of large vehicle-bombs with a high vehicle through-put. VE6000 combines an automated touch-less vehicle sampling system with patented GC/IMS chemical detection.

This system is fully automated for continuous operation and is driven by an intuitive icon-based interface that is both user-friendly and highly reliable. VE6000 can be adapted to suit site-specific architectural and various threat detection requirements.

The VE6000 can be effective in a wide-range of applications:

- ▶ Government facilities;
- ▶ Military installations;
- ▶ Transportation terminals;
- ▶ Industrial sites;
- ▶ Security establishments;
- ▶ Religious sites;
- ▶ Embassies;
- ▶ Office towers;
- ▶ Nuclear facilities.



Specifications

Vehicle Size

Standard maximum dimensions:

- ▶ 2.20 m wide x 2.25 m high x 8 m long;
- ▶ 7.21 ft wide x 7.37 ft high x 26.2 ft long;

Larger sizes available for applications with larger vehicle and/or cargo containers.

Throughput Time

Typically less than one minute (dependent on operational configuration).

Explosive Detection Capability

TNT, NG, AN, EGDN, o-MNT, p-MNT, DMNB, Dynamite, smokeless powder & other commercially available explosives.

Analytical Unit Sensitivity

- ▶ Vapours: parts per trillion;
- ▶ Particulates: nanograms to picograms.

WI Code: 10626

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The Association of
Police and Public
Security Suppliers



The Defence
Manufacturers
Association



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Components

- ▶ GC/IMS chemical detection units;
- ▶ Air compressor;
- ▶ Vacuum blowers;
- ▶ Air receivers (2);
- ▶ Vehicle scanning facility;
- ▶ Digital PTZ camera(s);
- ▶ Recording system;
- ▶ Electrical and control panel;
- ▶ System integration computer, industrial grade;
- ▶ Electronics rack.

Operator Features

- ▶ Audible and visual alarm annunciation;
- ▶ Fully Automatic Operation;
- ▶ Graphical interface with animation of system operation;
- ▶ Integrated operation, scanning system, doors, optional sub-systems;
- ▶ Fault condition alarms for all equipment.

Power Requirements Standard equipment:

- ▶ 72 kVA, 3 phase, 575 VAC, 60 Hz (includes 2 kVA conditioned power);
- ▶ 10 kVA, 1 phase, 115 VAC, 60 Hz conditioned, UPS recommended;
- ▶ Optional voltage/frequency powering available;
- ▶ 400/230 VAC, 50 Hz;
- ▶ 208/115 VAC, 60 Hz.

Space Requirements

Operator room, local or remote, 9 m² (100ft²);
Equipment room, 16 m² (172ft²), 3.6 m ceiling clearance adjacent to scanning area;
Vehicle scanning area, 5 m wide, 11.5 m long, 4.5 m ceiling clearance;
(16.4 ft wide, 37.7 ft long, 14.8 ft ceiling clearance).

Environmental Requirements

Operator room, typical indoor office environment;
Equipment room, controlled, 25°C ± 5°;
Vehicle scanning area, 5°C to 40°C.

System Optional Components and Design Services

- ▶ Under-vehicle scanning;
- ▶ Remote operation;
- ▶ Integrated weigh scale;
- ▶ Architectural/system design support;
- ▶ Vehicle containment options;
- ▶ Blast containment options;
- ▶ GS/IMS/CL Detector.

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