In the continuing fight against terrorism, the VE6000 is the answer to one of the terrorists’ greatest threats – VBIEDS. VE6000 is an integrated system solution addressing the need for detection of large vehicle-bombs with a high vehicle throughput.

VE6000 combines an automated touchless vehicle sampling system with Scintrex’s patented GC/IMS & GC/Cl chemical detection. This system is fully automated for continuous operation and is driven by an icon-based interface. VE6000 can be adapted to suit site-specific architectural and various traffic control scenarios.

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
- Worldwide

Enhanced Detection Features
- Ultra fast GC / IMS and GC/Chemiluminescence technology
- Simultaneous explosive/narcotics detection.
- Ramped GC for expanded range of targeted explosives/narcotics.
- Options to detect other threats – nuclear.

High Throughput/Continuous Operation
- Fast sampling and analysis with ultra fast GC ensures quick processing of vehicles.

Modern Communication Features
- Wireless and remote operation for safe operation.

Easy Operation
- User friendly, icon based interface.

Visual Monitoring
- License plate and facial recognition options.

Under Car Scanning Option

Minimal Maintenance & Consumable Costs
VE6000 Check Point for VBIEDS Detection

**TECHNICAL SPECIFICATIONS**

**VEHICLE SIZE**
Most vehicles up to large van size. Larger vehicles optional.

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

**EXPLOSIVE DETECTION CAPABILITY**
TNT, NG, EGDN, DMNB, TATP, Dynamite, Smokeless Powder, RDX, PETN, and other commercially available explosives.

**DETECTOR SENSITIVITY**
Vapours: Low PPB to PPT.
Particulates: Nanograms to picograms

**COMPONENTS**
Gas Chromatography/Ion Mobility Spectroscopy
Gas Chromatography/Chemiluminescence
Vehicle scanning facility.
Vehicle presence detection.
Digital PTZ camera(s) & recording system.
Traffic control barriers.
Central Command office.
Intercoms.

**OPERATOR FEATURES**
Audible and visual alarms.
Fully automatic operation
User friendly graphical interface
Integrated operation, scanning system, doors, vehicle barriers.
Fault condition alarms for all equipment.

**POWER REQUIREMENTS**
Standard equipment: 72kVA, 3 phase, 575 VAC, 60 Hz (includes 2kVa conditional power)
10kVA, 1 phase, 115VAC, 60Hz conditioned, UPS recommended for detectors
Optional voltage/frequency powering available:
400/20VAC, 50 Hz
208/115VAC, 60 Hz

**SPACE REQUIREMENTS**
Operator room, local or remote, 9m³ (100ft²)
Equipment room, 16m³ (172ft²), 3.6m ceiling clearance adjacent to scanning area.
Vehicle scanning area, 5m wide, 11.5m long, 4.5m ceiling clearance (16.4 ft wide 37.7 ft long, 14.8ft ceiling clearance).

**ENVIRONMENTAL REQUIREMENTS**
Instrument room +10°C to 45°C
Vehicle scanning area 5°C to 40°C

**SYSTEM OPTIONAL COMPONENTS AND DESIGN SERVICES**
Under-vehicle scanning system
Wireless operation
Integrated weigh scale
Architectural/system design support
Vehicle containment options
Blast containment options
Hand wand sampler, for close inspection
Radiological detection.

**US Patent 5,189,301**

**ISO 9001 Certified**

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