

VISION
DETECTION
COMFORT
RESTRAINT
WARNING
CONTROL
SERVICE



SPILLARD
safety systems

VCAS vehicle collision avoidance system



VCAS
VEHICLE COLLISION AVOIDANCE SYSTEM

VCAS - a vehicle safety enhancement system that warns operators of immediate dangers within a predetermined range.

VCAS provides the assurance of safety when a vehicles operation commences, the system cannot be turned off or ignored by operators unfamiliar with its features.

Utilising industrialised ultrasonic technology, VCAS produces visual and audible warnings if objects are detected within pre-configured primary sensing zones.

- Powerful non-contact sonic sensors - max range 6 metres
- Low maintenance - insensitive to dust, humidity and air turbulence
- 'Always on' transparent operation, eliminates operator interaction

- Speech alert, 85db tone sounder and high intensity LED warnings
- Over 4000 sensors installed in road construction applications worldwide, including the extreme harsh environment of the Middle East.

Two Sensor Warning Only 'Active' Object Detection

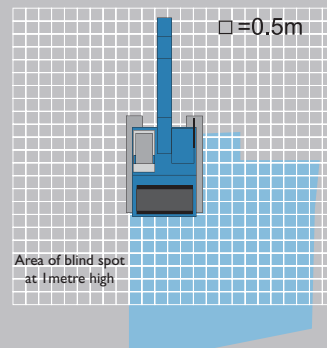
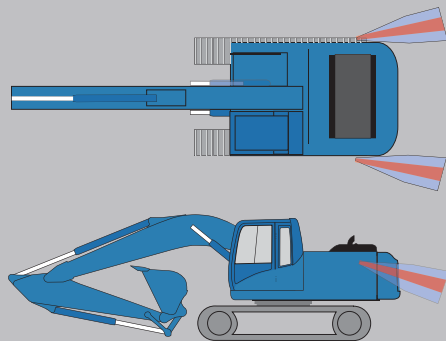
An industrialised object detection system for blind spot monitoring to the left and right sides of vehicles up to a maximum of 6metres from any sensor at any one time.

When mounted on an excavator in a predetermined configuration a 1 metre primary sensing zone can be achieved providing effective visual and audible warnings, alerting the operator of immediate dangers.

Features :

- 2 x Heavy Duty Industrial Sensors
- Intelligent display with speech alert and visual warnings.
- Current sensing technology alerting to system failure or cable damage.
- IP68 Waterproof
- Heavy duty cabling

VCAS 100



VCAS 200



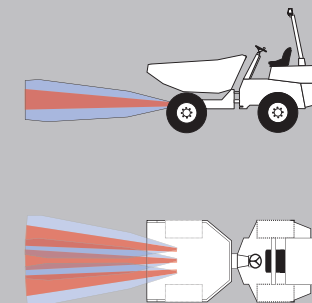
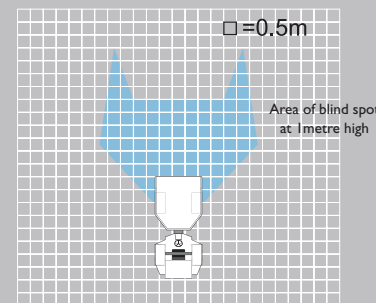
Three Sensor Warning Only 'Active' Object Detection

An industrialised object detection system for blind spot monitoring to the front or rear of site vehicles up to a maximum of 6metres from any sensor at any one time.

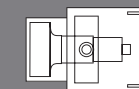
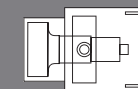
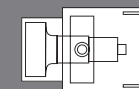
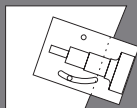
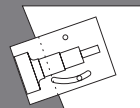
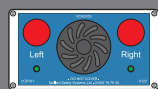
When mounted on a site dumper in a predetermined configuration a 4metre primary sensing zone can be achieved to the front of the dumper, providing effective visual and audible warnings alerting the operator of immediate dangers.

Features :

- 3 x Heavy Duty Industrial Sensors
- Speech alert 'Object Detected'
- High intensity LED warnings
- IP68 Waterproof
- Heavy duty cabling



- Active system - always on alerting operator to dangers
- Detects Static and Moving Objects
- No operator interaction required - Cannot be turned off or ignored
- Visual and audible warning
- Not effected by light - detects in complete darkness to bright sunlight
- Programmable detection range
- Multiple applications
- Bespoke design available



VCAS is an aid to safety, and should be used in addition to your safe system of work.

The operator should be aware of the benefits and limitations of this system.

Sloping Surface



Sound Absorbing Material



Round Objects



High/Low Objects



Sensors will not work if an obstruction is covering the sensing face e.g. mud or concrete.

Sensors detect in front, behind to the left or right of the vehicle, the area covered is dependant upon the mounting position/angle of each sensor, dead zones may be created due to sensing shape.

The response times from both sensor and operator are reduced when speed is increased.

Damage to a sensor will start to deteriorate the sensing capabilities of the system.

The speaker will not be heard if obstructed or covered.

A daily check procedure must be followed to determine operational state of the system before starting work.

All faults or damage must be reported immediately.