



# SILVERWING

Specialist Inspection Equipment

Technology Driven  
Not Operator  
Dependent

Pipescan

Industry



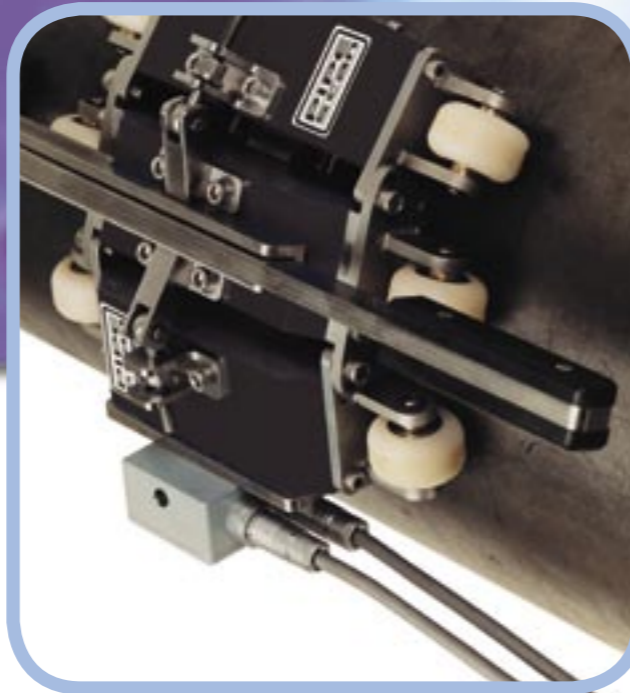
inspection equipment

petro-chemical industry

**Pipescan** is an easy to use, cost effective, portable, magnetic flux inspection system for the detection of random internal corrosion pipe runs. The latest magnetic material coupled with unique mechanical designs enables coverage of all pipe diameters from 50mm to 2.4 metres with a limited number of scanning heads.

Magnetic flux leakage inspection is not affected by product flowing through the pipe so surveys can be carried out both on-line and off-line and at surface temperatures up to 90°C. Use of Pipescan, with

its high probability of detection to locate the corrosion, coupled with A-Scan ultrasonic monitoring of growth, provides a cost effective accurate system for the determination of plant integrity.



## Standard Models



Fixed

PS 100 B pipe diameter 48 - 54mm  
 PS 100 F pipe diameter 63 - 75mm  
 PS 100 C pipe diameter 75 - 90mm



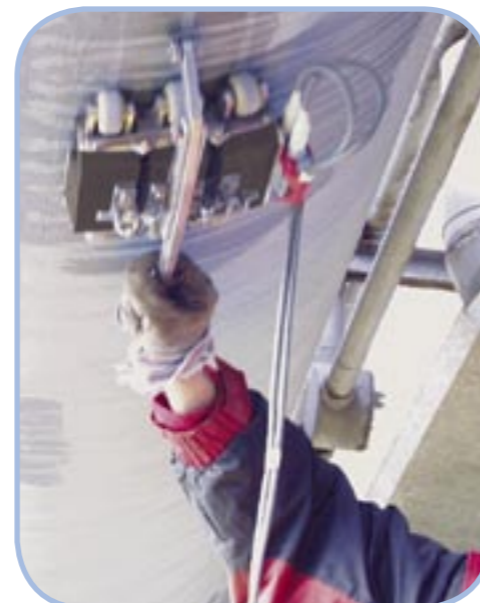
Adjustable

PS 500 pipe diameter 100 - 200mm  
 PS 200 pipe diameter 150 - 300mm  
 PS 1200 pipe diameter 300 - 2400mm



Circumferential

PS 300 pipe diameter 300 - 2400mm  
 PS 400 pipe diameter 150 - 300mm



### Technical and Performance Specification

Principle of operation	Magnetic Flux Leakage
Detection	18 off Hall Effect sensors
Pipe diameters	50 mm to 2.4 metre
Method of propulsion	Hand Push / Pull
Speed	0.5 m/sec
Profile	Clearance under / between pipework min 120 mm
Thickness range	Maximum 19 mm
Test through coatings	Yes if non magnetic
Maximum coating thickness	6 mm
Sensitivity	Adjustable
Max sensitivity	30% pitting in 6 mm wall pipe 40% pitting in 12 mm wall pipe 50% pitting in 19 mm wall pipe
Connecting Cable	5 metre standard length
Power requirements	12v battery operation
Test Time	10 hour continuous working
Transit case	Meets IATA requirements for transporting magnetizable material
Operating weight	18 Kg - combined weight of scanning head and electronics module

- Pipe diameters from 50mm - 2.4m
- Easy to use, cost effective inspection tool
- Fixed/Adjustable/Circumferential scan heads
- Battery operated light weight electronic module



