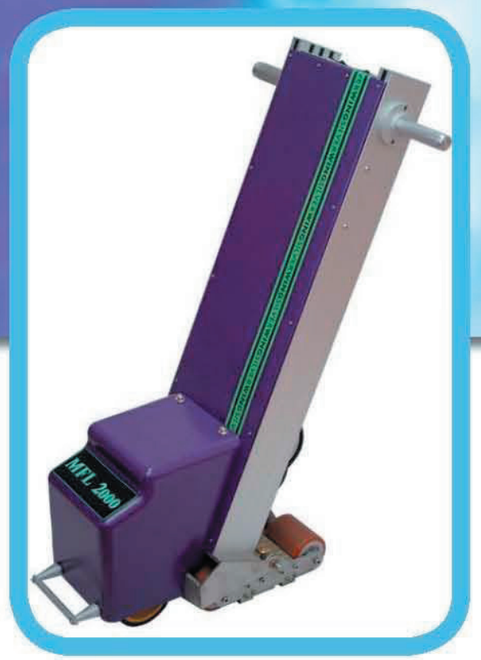
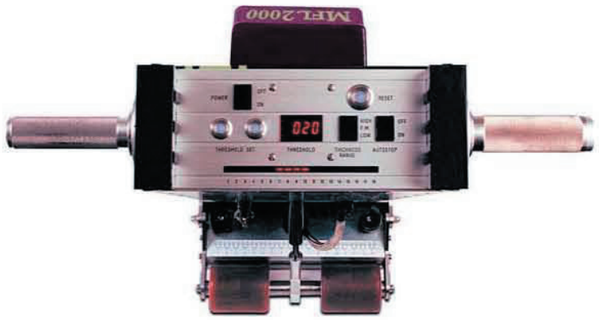
MFL2000



The **MFL 2000** is a high speed, motorised magnetic flux leakage scanner capable of inspecting approximately 8000 square feet per shift. The ergonomic design coupled with the latest magnetic technology have resulted in an easy to operate, accurate, reliable and cost effective inspection tool.

The motorised scanner has an auto-stop system which ensures any defect above the operator adjustable threshold is identified. All controls are situated in a recess at the top of the unit allowing easy viewing and operation whilst being protected against accidental adjustment.



- **High Speed, Cost Effective Inspection**
- **Easy to use ergonomic design**
- **Automatic defect detection system**
- **Minimal maintenance requirements**

Technical and Performance Specification - Patent No 5,619,136

Principle of operation	Magnetic Flux Leakage
Detection	36 off Hall Effect sensors
Scan width	300 mm
Method of propulsion	DC motor
Speed	0.5 m/sec
Thickness range	Maximum 20 mm
Test through coatings	Yes if non magnetic
Maximum coating thickness	6 mm
Sensitivity	10% underfloor on un-coated 6 mm plate 20% underfloor on coated 6 mm plate
Autostop	Yes
Power requirements	12v battery operation: 1 X 28 Ah battery supplied and 1 intelligent charger allowing 10 hour continuous working
Transit case	Meets IATA requirements for transporting magnetizable material
Operating weight	47 kg

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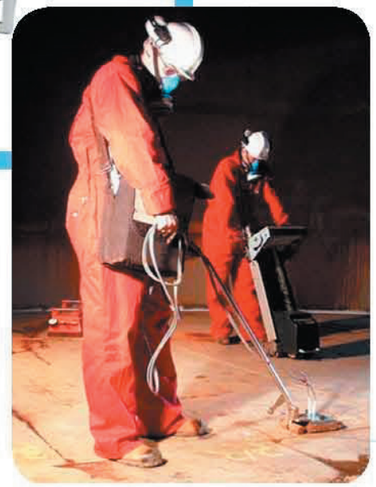
Handscan



The **Handscan** system is designed to compliment the MFL 2000 and FloormapVS2i floorscanners. The latest generation of permanent magnets allow localised magnetic saturation of the floor area undertest. As the scanner is moved across the test area signals from the corrosion are detailed by the hall effect sensors.

Any signal above the operator controllable threshold,is displayed as both a visual and audible alarm. It's low profile and extendable handle allow scanning in otherwise inaccessible areas of storage tanks such as the shell to annular area and under pipe work or heater coils.

- **Latest generation permanent magnet technology**
- **Low profile with extendable handle**
- **Separate battery operated lightweight electronic module**
- **Easy to use, cost effective inspection tool**

Technical and Performance Specification

Principle of operation	Magnetic Flux Leakage
Detection	18 off Hall Effect sensors
Scan width	150 mm
Method of propulsion	Hand Push / Pull
Speed	0.5 m/sec
Handle	Extendable handle supplied
Profile	Clearance under pipework required 120 mm
Thickness range	Maximum 15 mm
Test through coatings	Yes if non magnetic
Maximum coating thickness	6 mm
Sensitivity	adjustable
Max sensitivity	10% underfloor on un-coated 6 mm plate 20% underfloor on coated 6 mm plate
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