



# Magnetic Flux Leakage

IMMUSCO offers the latest in NDE equipment for tank bottom inspection including the **Magnetic Flux Leakage (MFL) bottom scanners**. MFL bottom scanning is also known as MFE (Magnetic Flux Exclusion/Evaluation). MFL is the “best” method to evaluate a tank bottom condition quickly and cost effectively.

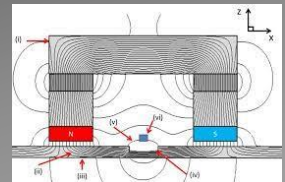
**IMMUSCO's inspection reports** generate a full fingerprint of the tank bottom.

These reports include on which side the defect is located; and by using x,y coordinate system, indicate specific positions on the individual plate, and its depth and remaining plate thickness. These features give the tank owner/operator a powerful, cost-effective tool to highlight all of the areas requiring repair, usually key factors in establishing corrosion rates and next inspection intervals for **API Standard 653**.



## Technology:

MFL (Magnetic Flux Leakage)



## Tool: MARK IV

Immusco performs MFL scan through world best MARK IV Scanner.



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## Key Benefits Provided by IMMUSCO's Inspection Services with the Magnetic Flux Leakage (MFL) Include:

- Evaluates Tank Bottom Condition on Bottom Plates of Ferrous Material
- Quick and Cost Effective and Requires no Couplant thus is a "Dry Application"
- Steerable Fast Motor Driven Scanner
- Features "Stop on Defect" Functionality
- Ruggedized Touch Screen Technology for Ease of Use Within the Storage Tank Environment
- Available with the Full Sized MFL Scanner and/or with the Smaller Motorized MFL Mini-Scanner and MFL Manual Scanner



## Applications:

- Detect and size conical corrosion type defects
- Operate on plate thickness range from 6mm to 12.7 mm
- Mapping mode records and stores the estimated percentage loss indications and their location per plate.
- Maximum coating thickness "up to 1/2 in" (6 mm).
- Real time display with A-Scan with LED signal response & C-Scan with bird eye to locate defect location.
- Encoder with speed tracer
- Tank drawing creation takes less than 10 minutes.
- Easy reporting feature by export data to USB at any time during scanning.
- Lightweight scanner only 30 KG including battery.
- Hot swappable batteries with full charging in 30 minutes
- adjustable handle for critical area scanning
- Advance military spec. cable connector



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