



**GOVERNMENT APPROVED INSPECTION AUTHORITY - LVUP 059
ENGINEERING DESIGN AND PROJECT MANAGEMENT**

SCORPION B – SCAN CRAWLER



What is the Scorpion B – Scan Crawler?

The Scorpion is a rugged remote access ultrasonic crawler designed to allow cost Effective A and B-scan imaging on above ground ferro-magnetic structures without the need for costly scaffolding or rope access.

The Scorpion remote access crawler uses a unique “Dry Coupled” wheel probe eliminating the need for traditional couplant. This allows the crawler to travel vertically, horizontally or even inverted whilst still fully functional.

The Scorpion takes thickness readings every four millimeters, giving a full graphic layout of the material.

Where is the Scorpion B – Scan Crawler used?

- Tanks
- Large bore piping (> 600mm Ø)

What will the Scorpion B – Scan Crawler find?

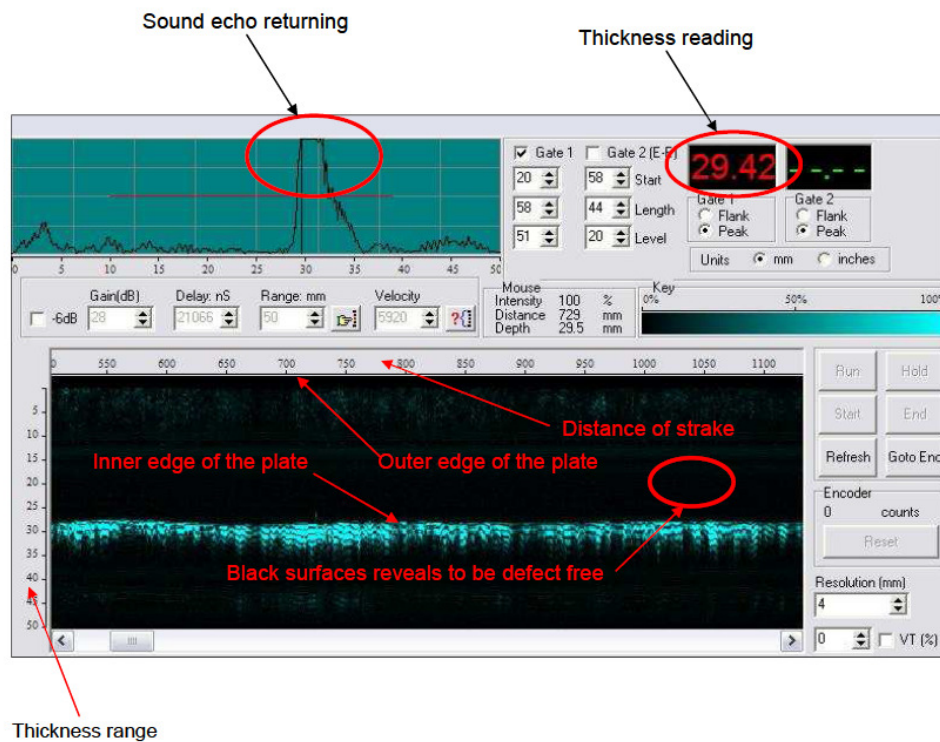
- Flaws
- Pores
- Slag
- Thinning



Capabilities

- To determine integrity of large volumetric structures without the use of scaffolding.
- Increase in productivity by early detection.
- Cost reduction.
- Reducing safety related incidents.
- The high efficiency equipment providing digital numerical data can be used for determining deterioration rates / repairs / replacement / budget planning and scheduling.

Example of the Scorpion B – Scan Crawler software



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