

# EDDY CURRENT SURFACE SCANNING

Eddy Current Surface Scanning is excellent for detecting surface breaking and just sub-surface breaking cracks. The most practical applications relate to the in-service inspection of welded structures that are subject to a cyclical loading that can lead to fatigue crack propagation in critical welded areas.

Traditionally, a suspect weld is buffed clean and a magnetic particle or liquid penetrant inspection is performed to detect any surface-breaking cracks. Beyond offering effective surface-breaking flaw detection for various welded structures, the eddy current technique offers a higher flaw detection "hit rate," reduced costs and down time, no consumables costs, minimal or no surface preparation, and the ability to complete inspections online.

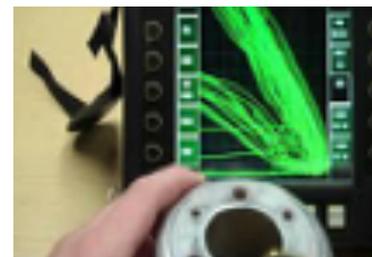
Eddy Current Surface Scanning is reliable, efficient, and inexpensive when compared to other methods. Our Eddy Current department has years of experience in the oil and gas industry and have proven results in efficiencies when using surface scanning as compared to other methods.

## ADVANTAGES:

- Fast and versatile
- Little to no surface prep required
- Ability to perform testing online
- No consumables used
- Ability to test areas with poor access
- Customizable
- Completely mobile inspection method

## APPLICATIONS:

- Refinery/Petrochemical  
Power Generation/Mining
- Detect and measure defects through coatings
  - Surface and subsurface crack detection
  - Crack sizing including depth and orientation
  - Online compressor inspections
  - ERW seam inspections



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