

Carbon Steel Surface Examination

Weld and Stress Corrosion Cracking Eddy Current Array Inspection



The MagnaFORM™ scanner is a fast and reliable way to reduce the turnaround time of weld and stress corrosion cracking (SCC) inspections.

While conventional weld and SCC methods require painted surfaces to be stripped before inspection, the MagnaFORM eddy current array (ECA) solution enables users to inspect through paint, saving time and reducing costs. Designed to work on even the roughest welds and corroded areas, the dynamic lift-off compensation helps ensure the probe remains sensitive to surface-breaking defects.

Available for manual or semi-automated scanning, the MagnaFORM scanner enables users to inspect a weld in a single pass, helping reduce inspection time. With the MagnaFORM scanner, inspectors can cover the entire weld surface, including the heat affected zones, in a single pass for an efficient inspection.

While some conventional inspection methods, such as penetrant testing, require inspectors to wait for the test to develop, the MagnaFORM ECA solution provides real-time C-scan images so inspections can be completed more quickly. Inspectors can also easily evaluate the depth of surface-breaking defects using an intuitive software interface. The data and images can be stored simply by pressing a key.

Faster Inspections Help Reduce Your Costs

- No more stripping and repainting: inspect through paint
- Inspect the roughest welds and corroded surfaces with dynamic lift-off compensation
- Save time by inspecting welds in a single pass
- Effective solution for detecting stress corrosion cracking
- Evaluate the depth of surface-breaking defects
- Intuitive archiving and imaging

Features that Help Save You Time



Single Pass Weld Inspection

Both linear and transverse indications are detected in the heat affected zones, the toe, the crown, and the crevices for faster inspections.



Stress Corrosion Cracking (SCC)

With the MagnaFORM™ scanner, inspectors can characterize SCC, even in heavily corroded areas.



Dynamic Lift-Off Compensation

All channels perform real-time lift-off compensation to maintain equal sensitivity.

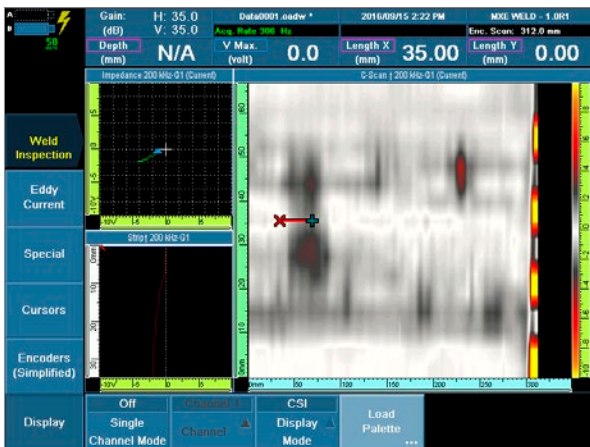


Imaging, Depth Evaluation, and Archiving

Easy-to-use eddy current array software makes it simple to save data and evaluate the depth of surface-breaking defects using colorful and intuitive C-scan images.

Pressure Vessels and Pipelines

Manual or motorized scanners are available to simplify inspection and help ensure proper coverage.



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