

OLYMPUS

Your Vision, Our Future

Weld Inspection Solutions



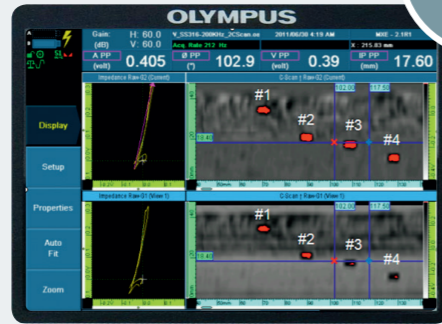
At the Heart of Your Process

Eddy Current Array



Detect Surface and Subsurface Cracks Quickly and Efficiently

- Offers high probability of detection without paint removal
- Time-savings with wide coverage and fast scanning
- Replaces penetrant and magnetic-particle testings

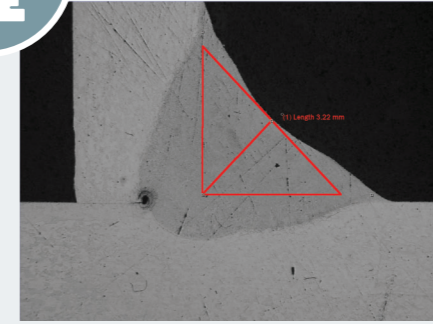


Industrial Microscopy

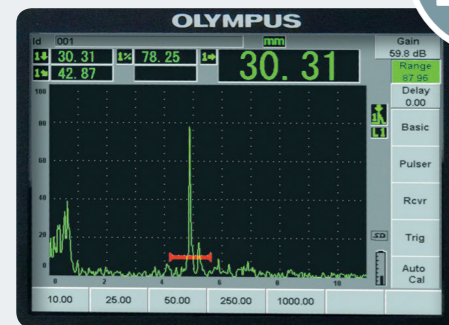


Cross-Section Inspection of Welds with Olympus Imaging Solutions

- Time-saving: Completes all measurements in a single step
- Flexible: Works for tee, lap and corner joints, and all weld sizes
- Reliable: Calibrated imaging



Conventional Ultrasound



High Quality Flaw Detection with Exceptional Ease of Use

- Rugged, ergonomic design allows use in challenging environments
- Intuitive interface is practical for both experienced and novice inspectors
- Full range of UT probes for detection and sizing of weld defects

Porosity

Slag Inclusion

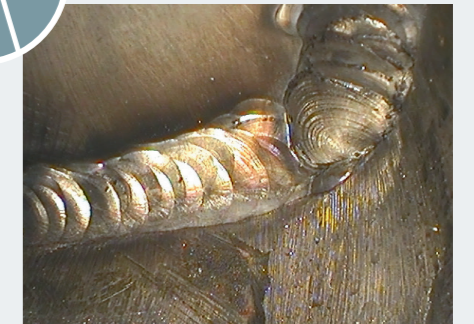
Lack of Fusion

Toe Crack

Incomplete Penetration

Root Crack

Remote Visual Inspection



Great Images Get Great Results

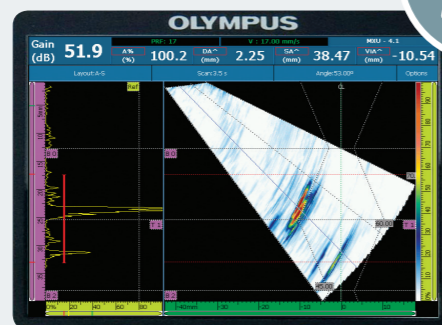
- The best image quality for clear visualization
- Increase probability of detection with vivid colors and sharp images
- Efficient assessment of welding damages

Phased Array Ultrasound

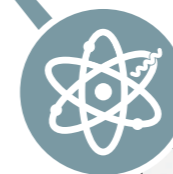


Technology to Speed up Your Inspection Process

- High-speed detection capabilities facilitate interpretation
- Reduced inspection time compared with radiography
- Immediate results enable you to detect and fix process problems right away



X-Ray Fluorescence



Carbon Steel		1/2	
Exact - May vary w O2 on Mn			
El	%	4f-3a	Carbon Steel
Mn	1.330	0.076	0.08 - 1.30
Fe	98.536	0.083	
Cu	0.135	0.034	Resid. 0.4

On-the-Spot Weld Inspection and Positive Material Identification

- Alloy verification helps ensure proper weld materials are used
- Avoid corrosion, cracks and damages
- Analysis in seconds with no impact to the weld

Weld Inspection Solutions

At the Center of Your Weld Process

Aerospace



Automotive



General Manufacturing



Power Generation



Steel



Tube/Rod/Bar Sheet Metal



- OLYMPUS CORPORATION is ISO9001/ISO14001 certified.
- Illumination devices for microscope have suggested lifetimes. Periodic inspection is required. Please visit our website for details.
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- Specifications and appearances are subject to change without any notice or obligation on the part of the manufacturer.

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