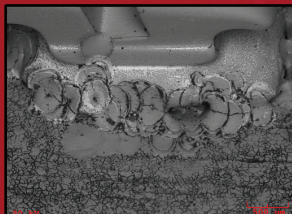


# Weld Failure Analysis

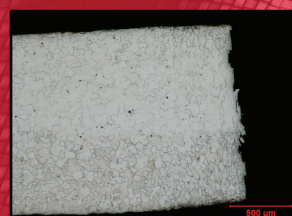
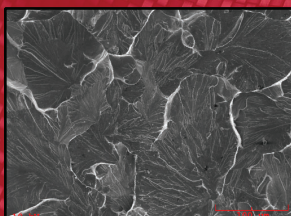
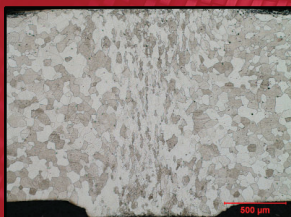


Welds are part of many critical systems around us everyday. From holding together the parts of our vehicles, to containing high pressure gasses, liquids and steam, failed welds can be catastrophic.

Let IMR get to the root of your failed or failing samples so you can quickly correct issues with your suppliers or your equipment.

We have performed thousands of weld evaluations and root cause analyses for clients in a wide range of industries. The clear, concise reports our experts provide will get you the answers you need, on time.

Contact us today for more information or to request a quote.



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30 Loyang Way #03-16  
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## IMR Test Labs - Suzhou

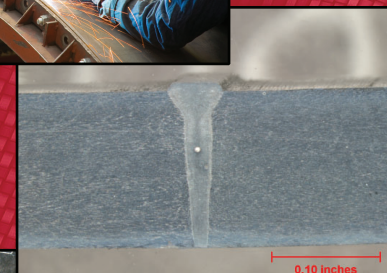
Jiangpu Road 75, Shengpu Town  
Suzhou Industrial Park  
Jiangsu, China 215126  
+86 0512.6295.2682  
sales@imrsuzhou.com

**Nadcap Accreditation:** Ithaca (MTL, NMTL), Louisville (MTL), Portland (MTL), Singapore (MTL), Suzhou (MTL)

**A2LA Accreditation:** Ithaca (1140.01 / 1140.02), Louisville (1140.03/1140.04), Portland (1140.07), Singapore (1140.10), Suzhou (1140.09)

**CURTISS -  
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IMR TEST LABS

# Welder Certification Testing and Weld Procedure Specification



[www.imrtest.com](http://www.imrtest.com)

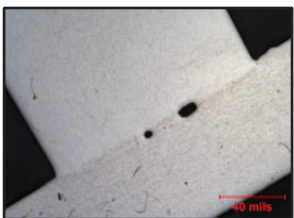
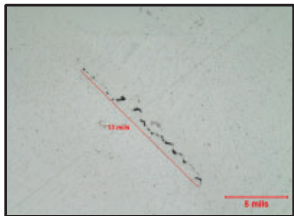


## Why IMR?

We offer a diverse array of welding services, from welder qualifications to failure analysis of welded parts. Let our trained welding specialists help you get the answers you need. We have 6 AWS CWI's at our US locations and weld experts at our labs in Singapore and China.

We performs tests on a variety of weld types including:

- Butt Welds
- Electron Beam Welds
- Fillet Welds
- Friction Welds
- Hardface Welds
- Laser Welds
- Overlay Welds
- Pipe/Tube Welds
- Plug Welds
- Repair Welds
- Resistance Seam Welds
- Spot Welds



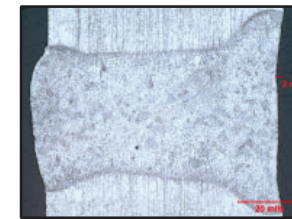
## Specifications

- ASME
- MIL
- NACE
- AWS
- PED/ISO
- GE
- PWA
- RR
- BS EN/ISO
- ABS Rules & Guides
- API
- CGA/DOT
- and many more



## Weld Testing Services

- 3 & 4 Point Bend Testing
- Braze Procedure Qualification
- Charpy Impact Testing
- Chemical Analysis (OES, ICP-MS, ICP-AES)
- Creep/Stress Rupture
- Cross Sectional Analysis
- CWI Witness Service
- Defect Detection
- Failure Analysis
- Ferrite Content
- Hardness Testing
  - Brinell
  - Rockwell
- IGA Susceptibility
- Load/Proof Testing
- Macro Exam
- Macroetch
- Micro Exam
- Microhardness
  - Knoop
  - Vickers/Macro-Vickers
- Raw Material Verification
- Resistance Weld Peel Testing
- Root, Face and Side Bend Testing
- Tensile Testing
- Visual Exam
- Weld Procedure Specification
- Welder Performance Qualification



## Special Accreditations

### Lansing

IMR's Headquarters is approved by Hartford Steam Boiler in accordance with the PED 97/23/EC

### Portland

IMR Test Labs - Portland welder qualifications (certifications) are approved and recognized by the Washington Association of Building Officials (WABO), Oregon Building Officials Association (OBOA) and the City of Portland.

### Singapore

IMR Test Labs - Singapore is SAC (ISO 17025) approved to perform weld evaluations to Civil Aviation Authority of Singapore (CAAS) Singapore Airworthiness Requirements (SAR).

Visit our accreditations page for a listing of all of our locations' approvals or contact us today!

