IMR TEST LABS - Louisville KY

IMR Test Labs - Louisville is an accredited, third-party materials testing laboratory serving clients in the Aerospace, Additive/3D, Energy, Automotive, Medical Device and other high-technology industries. IMR-Louisville has earned accreditations from Nadcap and A2LA (ISO 17025) and carries approvals from many major OEMs.

Since 2002, we have expanded our services in the areas of chemical analysis, corrosion testing, mechanical testing and cleanliness testing in order to meet industry needs. Recent additions to our testing capabilities include creep, stress rupture, x-ray diffraction (XRD) and 3D digital optical microscope imaging.

4510 Robards Lane, Louisville, KY 40218
Email: sales@imrlouisville.com
Phone: 502-810-0380
Fax: 502-810-0380

Mechanical Testing
- 3 & 4 Point Bend Testing
- Certified Welder Inspections
- Creep Testing
- Flattening
- Hardness (Rockwell, Brinell)
- Heat Treatment (furnace to 2100ºF)
- Hydrogen Embrittlement (F519)
- Stress Rupture Testing
- Tensile Testing
- Welder & Procedure Qualification

Metallurgical & Failure Analysis
- Case depth
- Decarburization
- Fractography
- Grain size
- Inclusion rating
- Intergranular attack
- Intergranular oxidation
- Light microscopy
- Macro, micro & SEM photography
- Microhardness (Knoop, Vickers)
- Microstructure
- Particle analysis (ID, size)
- Plating & coating analysis
- Plating thickness
- Porosity of metal
- SEM Analysis
- Welder & Procedure Qualification

Chemical Analysis
- Alloy Chemistry
- C, S, H, O, N Analysis
- Chemical Resistance Testing
- Cleanliness Testing
- Coating Weight
- Contaminant/Corrodent ID
- Density of Powdered Metals
- Filler Content Analysis
- FTIR Analysis
- Halogen Analysis
- Ion Chromatography
- Metallic Material Verification
- OES Analysis
- On-Site PMI Testing
- Polymeric Material Verification
- SEM-EDS Analysis

XRD Analysis
- Compound Morphology
- Identification of Unknown Powders
- Percent Crystallinity
- Phase Identification
- Powder Diffraction

For a complete list of services offered, visit www.imrtest.com
IMR Test Labs - Ithaca - Corporate Offices
131 Woodsedge Dr., Lansing, NY 14882
sales@imrtest.com
Phone: 1 607 533 7000
Fax: 1 607 533 9210

Materials:
Metals, Polymers, Composites

Major Approvals:
A2LA (ISO 17025), Nadcap, Boeing, GE S-400

Specializing In:
Failure Analysis, Mechanical, Metallurgical, Chemical Analysis, Aerospace Composite Analysis, Polymer Compositional Analysis, XRD Analysis, Weld Evaluation, Accelerated Weathering Corrosion Testing, Electromechanical Corrosion Testing

IMR Test Labs - Portland
5687-A S.E. International Way
Portland, OR 97222
sales@imrportland.com
Phone: 1 503 653 2904
Fax: 1 503 653 9591

Materials:
Metals

Major Approvals:
A2LA (ISO 17025), Nadcap, GE S-400, P&W MCL

Specializing In:
Chemical Analysis, Creep/Stress Rupture, RBF, Metallurgical Analysis, High Volume Mechanical, Weld Evaluation

IMR Test Labs - Singapore Pte. Ltd.
30 Loyang Way 203-16
Singapore 508769
sales@imrsingapore.com
Phone: 65 6592 5325
Fax: 65 6592 5326

Now an Approved GE Aviation CCL

Materials:
Metals

Major Approvals:
Nadcap, SAC (ISO/IEC 17025), GE S-400, P&W MCL

Specializing In:
Mechanical Testing, Metallurgical Analysis, Chemical Analysis, Coatings Evaluations, Weld Evaluations, Failure Analysis

IMR Test Labs - Suzhou
Jiangpu Road 75, Shengpu Town
Suzhou Industrial Park
Jiangsu, China 215126
sales@imrsuzhou.com
Phone: 86 0512 6295 2682
Fax: 86 0512 6295 2750

Materials:
Metals

Major Approvals:
Nadcap, A2LA (ISO 17025), GE S-400

Specializing In:
Failure Analysis, Metallurgical Analysis, Mechanical Testing, Chemical Assay and Analysis, Volume Material Checks, Weld Evaluation