Advanced High-Tech Testing Equipment combined with Experienced Materials Testing Engineers and Lab Technicians

Choose IMR Test Labs- Louisville for testing and analysis in these areas:

- Aerospace
- Ground Transportation
- Energy
- Petrochemical
- Power Generation
- Medical Devices & Implants

IMR Louisville has earned accreditations from Nadcap and A2LA (ISO 17025), approvals from many major manufacturers, as well as passing numerous NQA-1 audits.

We’ve created efficiencies in our login, sample preparation and testing processes which improves our capacity for handling:

- High-volume, Ongoing Contract Testing
- Routine chemical
- Mechanical analysis
- Metallurgical analysis

If you have routine work such as material checks or process checks, ask us about volume pricing.

Not Just Data, Knowledge

Our reports and analyses are clear, concise and complete. We are prepared to discuss the results at any time. If you require expedited testing, we’re willing and able to deliver high-quality test reports on a timeline.
ANALYTICAL SERVICES

CHEMICAL ANALYSIS
Alloy Chemistry
Additive Manufacturing
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

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

METALLURGICAL & FAILURE ANALYSIS
Additive manufacturing
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

For A Current List of ACCREDITATIONS, Please Visit IMRTtest.com

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