

Industrial Equipment, Components & Fabricated Metal

M+P Labs provides material testing services ranging from qualification of raw materials and manufactured components to failure analysis of industrial equipment to support all of your production needs.



CAPABILITIES

Chemical Analysis/Material Composition
Electrical Testing
Failure Analysis
Fuel & Lubricant Testing
Metallurgical Evaluation
Metallography
Mechanical Strength
Microstructural Characterization
Microscopy & Image Analysis
Nuclear Commercial-Grade Dedication
Specimen Preparation
Thermal Analysis
Weld/Braze Evaluation

This process begins by discussing your goal or issue with one of our chemists, metallurgists or engineers. Together, you will decide what materials should be tested, and what tests should be performed. ***You do not have to know what tests are required before you call!*** Let our experienced analysts guide you through the discovery process.

APPLICATIONS

- Increased speed for new material selection
- Efficiently design new products
- Become a qualified supplier
- Improve existing manufacturing processes
- Rapidly troubleshoot production issues
- Determine the root causes for failure
- Prove/disprove liability
- Reverse engineer obsolete components

AREAS OF EXPERTISE

- Steels, aluminum, copper, superalloys
- Casting, welding, brazing, thermal spray, heat treatment processes
- Quality of metallographic mounts

MATERIALS

- Metals/Alloys
- Polymers
- Composites
- Ceramics
- Fuels/Lubricants



All testing is performed in compliance with the quality requirements mandated by:



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