



METALLURGICAL TESTING

What We Do

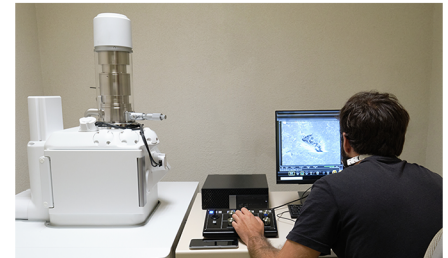
At QAI, our experienced staff utilizes the latest technology in the field of metallurgical and materials testing through image characterization and analysis as well as the latest preparation techniques and testing equipment. Our areas of specialized expertise include:

- Microstructure Evaluation
- Grain Size Measurement
- Direct Hardness Testing
- Microhardness Testing
- Optical Emission Spectroscopy
- Material ID
- Combustion Analysis
- Heat Treat Support
- Energy Dispersive Spectroscopy (EDS)
- Scanning Electron Microscopy (SEM)
- Inductive Coupling Plasma (ICP)
- Wet Chemical Analysis
- Non-Destructive Weld Analysis
- Destructive Metallurgical Testing
- Charpy Impact Testing

QAI also offers extensive metallurgical failure analysis and reverse engineering capabilities. For more information about QAI services, please contact us via info@qai.org

About QAI

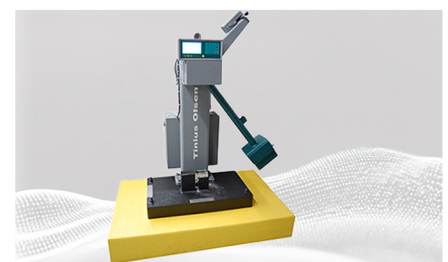
With over 30 years of experience, QAI is an ISO/IEC 17025 accredited independent third-party testing laboratory. Our state-of-the-art equipment and expert team serve companies of all sizes with material testing. As part of the QAI Laboratories Group, a globally recognized leader in testing, inspection, and certification, we provide services across various industries, including manufacturing, building products, electrical safety, EMC/EMI, and vehicle compliance, with locations in North America and Asia.



Scanning Electron Microscopy



Optical Emission Spectroscopy



Charpy Impact Testing