



REVERSE ENGINEERING

What We Do

QAI's modern multi-disciplinary modern laboratory offers you unmatched reverse engineering capabilities for simple to complex components, as well as entire assemblies with both metallurgical and non-metal materials. We can handle the entire project or assist you with any step in the process, such as dimensional analysis, material investigation, coating analysis and how the material was heat treated including physical and mechanical properties. Our Reverse Engineering Services can provide you full "copy" dimensional analysis of the product, including:

- Welds/Joining Process
- Coatings/Plating
- Surface Finish
- Heat Treat Requirements
- Raw Material Type and Requirements
- Engineering Print - 2D or 3D

If needed, we can also help you improve the current design, through Finite Element Analysis (FEA) and changes and improvements to Heat Treat & Materials. 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.

