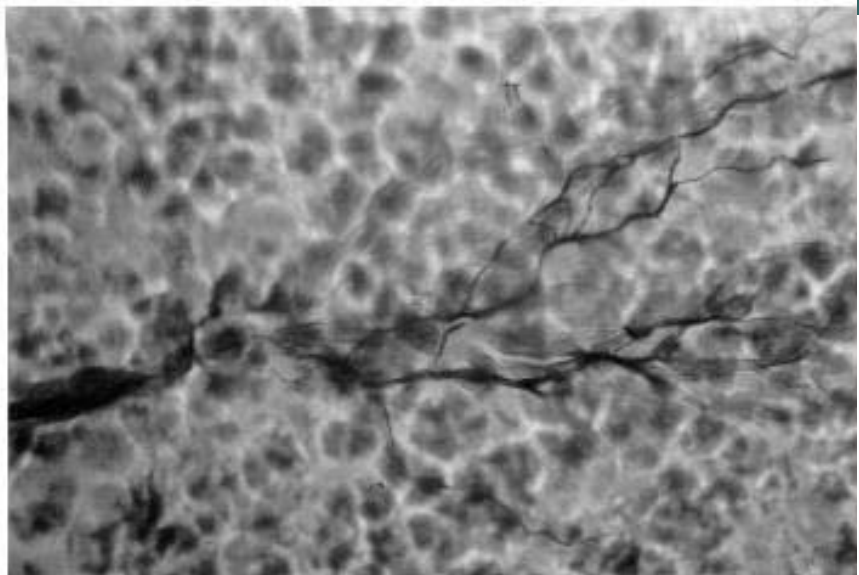


Failure Analysis

*Your
Source for
Test and
Analysis*



FAILURE ANALYSIS IS A CORE COMPETENCY

Be it metals, polymers, ceramics, circuit boards or microcircuits; we have the skills base and equipment to provide root cause analysis with materials and process recommendations to prevent further problems from occurring. Failure analysis investigations have ranged from fractured fasteners to failed motherboards.

All aspects of a failure are investigated. This includes not only classifying the failure mode but also determining its cause from an engineering mechanics and design point of view. We pinpoint the root cause, be it abuse in service or a processing defect.

WE CAN HELP

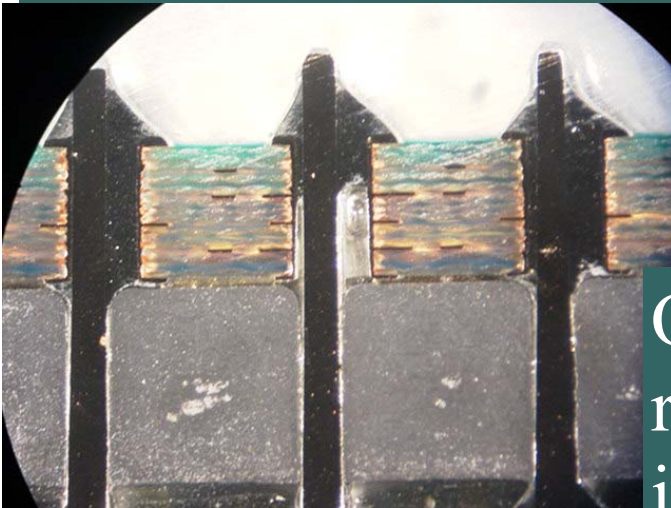
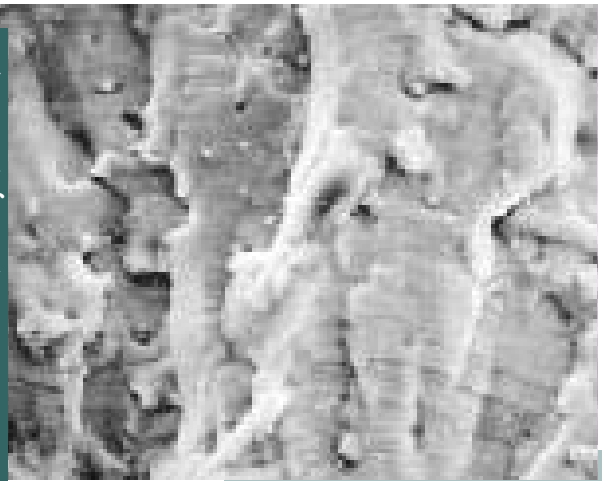
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4724 Arnold Ave.
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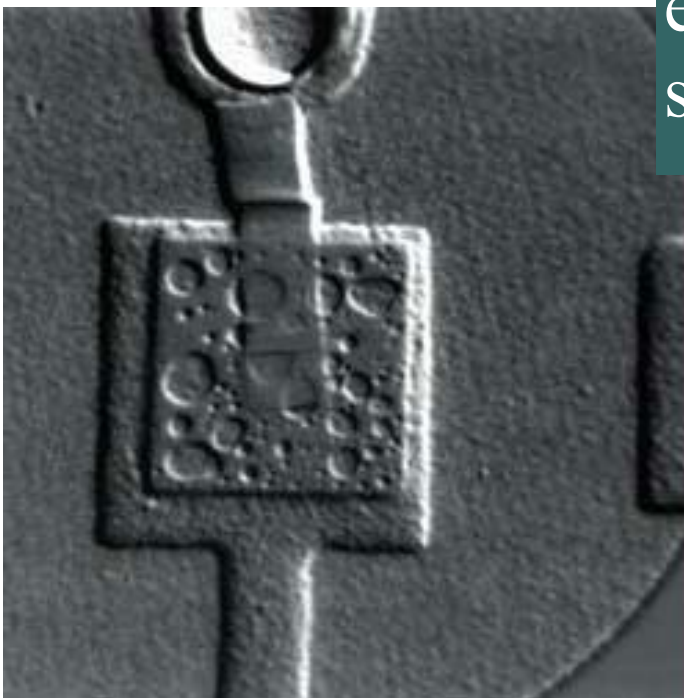
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Front Page: High voltage “treeing” in a polymer material. **Right:** SEM image showing fatigue in a 2024 Al aircraft part. **Lower (Middle)** Cross-section of a circuit board showed a void (defect) in the solder. **Lower (Far Bottom)** X-ray false 3D image show voiding in the die attach of a pin diode which caused over-heating problems.



Our 17,400 sq. ft. laboratory has over \$6.6 M in state-of-the-art equipment ready to solve your problems!



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