

Materials and metallurgy

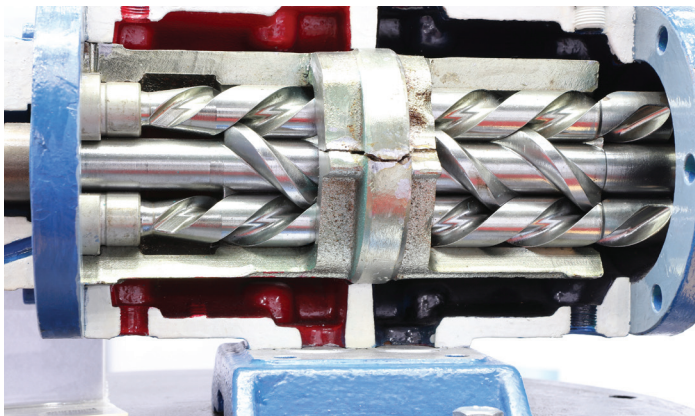
Failure analysis services

Products can break, fail to function properly or become unsafe to use for many different reasons. Our team has experience analyzing a wide range of product and system failures to identify the cause. We provide businesses with insights and detailed, practical solutions to help prevent future failures.

Services and expertise

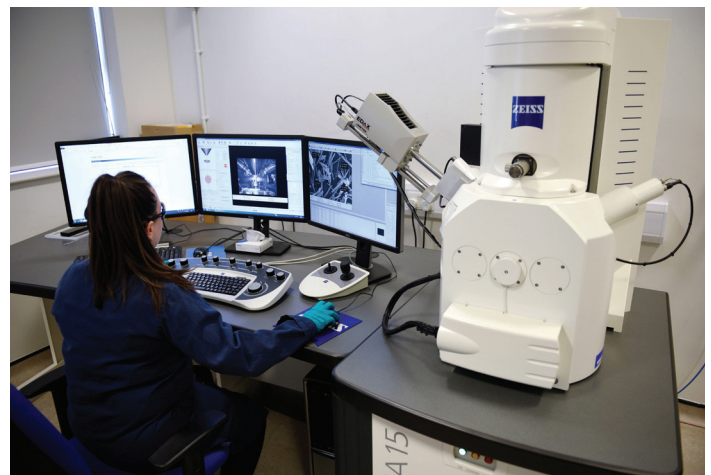
EFI Global's approach to analyzing product failures recognizes the importance of how materials, processing and service history affect performance. We have a team of experts with the knowledge, skills and analytical tools necessary to identify whether failures are caused by design deficiencies, material defects, manufacturing defects or anomalies in the service life.

We have an in-house materials lab with state-of-the-art equipment, including a scanning electron microscope (SEM). Our team is committed to providing clients with comprehensive corrective actions to prevent future failures.



Some specific examples of our services and applications include:

- Corrosion analysis
- Energy dispersive spectroscopy (EDS)
- Evaluations of castings, forgings, coatings and surface treatments
- Fracture analysis
- Hardness testing
- Metallography and microstructural analysis
- Polymer analysis with FT-IR
- Weld analysis



About EFI Global

Well-regarded as an industry leader on multiple continents, EFI Global demonstrates its ability to provide skilled and experienced professionals and technical specialists to carry out in-depth investigations, deal with a full range of losses, and provide immediate response to clients worldwide. Our forensic engineering, investigation and environmental services teams around the world share a dedication to technical excellence, ensuring timely and accurate work and ultimately demonstrating value to our clients.

To learn more about our materials and metallurgy services, contact:

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To learn more about our integrated and customized solutions, visit [EFIGLOBAL.COM](https://www.efiglobal.com)