

simply measured.



Thermal Imaging-Based Failure Analysis System

IR thermography failure analysis in a nutshell Give it all. There's insight inside.

Non-destructive failure analysis as compact as never before.

TIFAS IR is a very compact desktop system for failure analysis with infrared thermography that provides everything required for the application of a wide range of different failure analysis techniques and for testing the entire spectrum of electronic components, systems, composites, laminates or sintered parts.

- Voids, cracks, delamination
- Inclusions or missing parts
- Thermal bottlenecks

Non-destructive

Thermal phenomena

Contactless

- Compact benchtop system
 - Automated foil lamination
 - 1 kJ flash lamp for thermal excitation



Thermal phenomena guide the way

As heat travels from the source to the environment, it can encounter obstacles that can severely limit the reliability of a component. In the electronics and mechanical engineering industry, there are countless different faults that cause this behavior. However, they all have one thing in common: such symptoms are best detected by directly observing the heat and its progression. IR thermography is the tool of choice and TIFAS IR combines method, hardware and software in a compact desktop system.

Plug and play



Hands on usability

TIFAS IR Lab comes with a comprehensive touch-based software that guides through measurement and provides a long tool belt of image acquisition and analysis features.

The software is fully touch-optimized, making it ultimately easy to use in a lab environment.

Software features

- IR image acquisition
- Synced flash excitation
- Automated analysis
- Various post-processing algorithms
- Thermal signal reconstruction
- Not system-exclusive / distributable
- Optimized for multi-core processing

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learn more

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