

Press Release

InfraTec GmbH Infrarotsensorik und Messtechnik

Dresden, 03/08/2022

Active Thermography in NDT – Advantages, Challenges, Opportunities The training for an efficient introduction to the processes of active thermography.

Active thermography in combination with high-resolution infrared cameras is an elegant testing method to analyse measuring objects in a non-contact and non-destructive manner. As an optical measurement method, it enables fast defect detection and quality assurance – nearly regardless of the object material.

Active thermography is suitable for anyone who is faced with a specific testing challenge and is, for example, developing a prototype or is already on the verge of serial production. This testing method provides insights into the future viability of a product and material and it is also a reliable method in the area of quality assurance.

How does active thermography work?

This non-contact testing method enables the analysis of both smallest as well as large-area objects made from a wide variety of materials and for most different types of failures. The object to be inspected is energetically excited, which generates heat within the object. This leads to a pattern of temperature differences on the surface of the object, which is detected with highly sensitive infrared cameras. The analysis of these patterns enables conclusions to be drawn about the material properties and the condition of the test object. The big advantage: the test object remains intact and can be used for further tests or improved if necessary.

In the chargeable online training "*Active Thermography in NDT – Advantages, Challenges, Opportunities*" by InfraTec, you will learn everything you need to know to get started efficiently with active thermography. The seminar explains which methods are best suited for which inspection tasks. Supplementary practical exercises also illustrate the variety of possible applications and give an impression of the numerous possibilities of active thermography.

Online Event

“Active Thermography in NDT – Advantages, Challenges, Opportunities”

Date: Tuesday, September 27th, 2022 / Time: 09:00 AM – 04:00 PM (CEST)

Registration: <https://www.infratec.eu/thermography/trainings/active-thermography-courses/>

Information: 2,176 characters (incl. spaces)

About InfraTec

The InfraTec infrared sensor and measurement technology company was founded in 1991 and has its headquarters in Dresden, Germany. The privately held company employs more than 200 employees and has its own design, manufacturing and distribution capabilities.

Infrared sensors, with electrically tunable filters based on MOEMS, count among the products of the infrared sensor division, next to spectrally single and multi channel infrared detectors. These detectors can be used in gas analysis, fire and flame sensor technology and spectroscopy.

With its infrared measurement business unit, InfraTec is one of the leading suppliers of commercial thermal

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imaging technology. In addition to the high-end camera series ImageIR® and the VarioCAM® High Definition series, InfraTec offers turnkey thermographic automation solutions e. g. for industry processes, non-destructive testing and fire detection and prevention.

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Image



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