Be sure. **testo**

Analyze, evaluate and
document thermal images.

**Professional analysis software IRSoft:
straightforward processing of thermal images and
quick generation of thermography reports.**

Top-level thermography requires more than just a modern
camera system. Powerful analysis software is a must-have,
to analyze and evaluate thermograms quickly and easily and
to document them in a report. The licence-free software
IRSoft was designed specifically to meet these require-
ments. It offers extensive analysis functions and is charac-
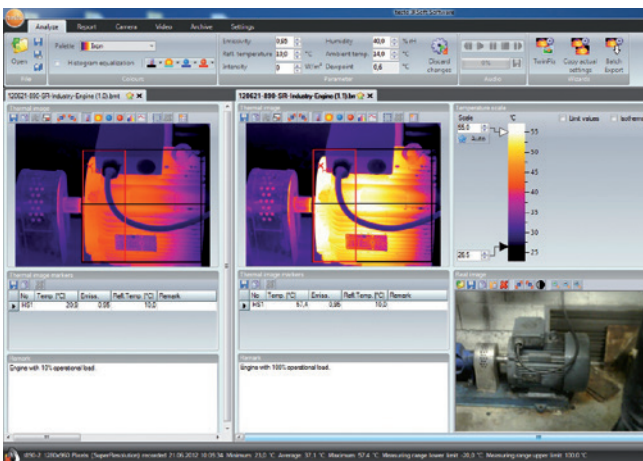terised by its intuitive operation and excellent
user-friendliness.

High-resolution thermal images provide the basis for professional thermography

Simultaneous evaluation and comparison of several thermal images

Change the emissivity of certain areas, for precise temperature analysis

The challenge.

In professional thermography, creating sharp thermal images only makes up a fraction of the actual work. The greatest challenges are hidden beneath the surface: seemingly simple 'colourful' images only become meaningful thermograms once they are subjected to subsequent processing and interpretation. Efficient optimisation of the thermographed objects can then be deduced on this basis.

Software that is high-performance and easy to use can help you overcome these challenges quickly and easily. Intelligent analysis functions, such as the placement of measuring points or the creation of histograms and profile lines, are essential here, as is the option of subsequent editing of certain thermal image parameters (emissivity, ambient temperature, reflected temperature, etc.) or thermal and real image superimposition for more impressive visualisation of measured objects.
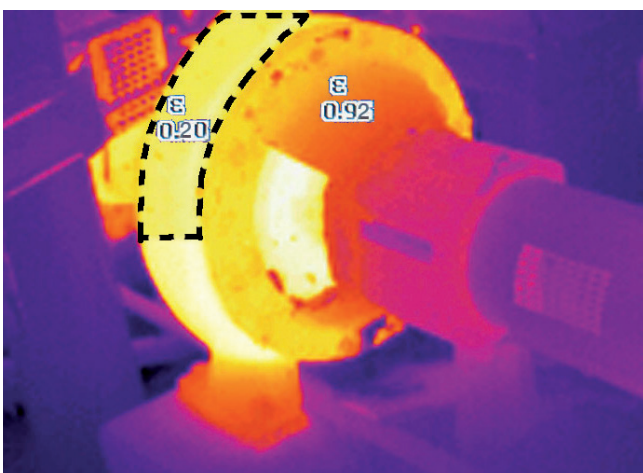
Finally, these findings and analyses need to be summarised in a professional report quickly and inexpensively. Of course, you also need to be able to edit all of the information contained in this report at a later stage, and to save the report in all the standard file formats.

The solution.

IRSoft is powerful PC software for professional thermography analysis. This software has been specially developed by Testo. A fully functional version of it is included with all Testo thermal imagers, and it can be installed licence-free on an unlimited number of computers.

The right feature for every requirement
IRSoft functions that you can use to analyze and process thermograms comprehensively on the PC include the following:
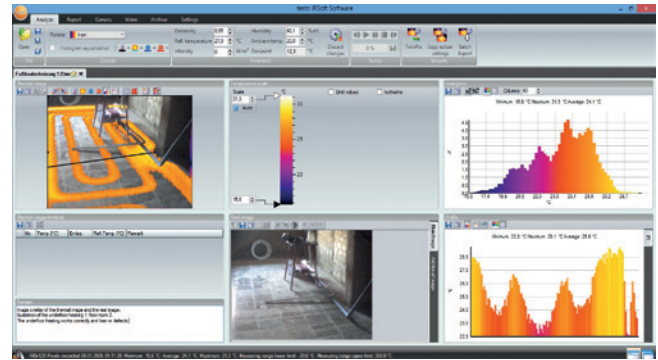
- Change the temperature scale and range – for better highlighting of noticeable details.
- Change the emissivities of different materials, ranging from freely definable image areas down to individual pixels – for high-precision thermograms.
- Display profile lines and histograms – for easy analysis of temperature curves and distributions.
- Highlight the overshooting or undershooting of limit values – for visualising critical temperatures.
- Place an unlimited number of measuring points, determine cold/hot spots and make comments – for customised thermography analysis that meets your requirements.
- Work on several thermal images simultaneously – for efficient multitasking.
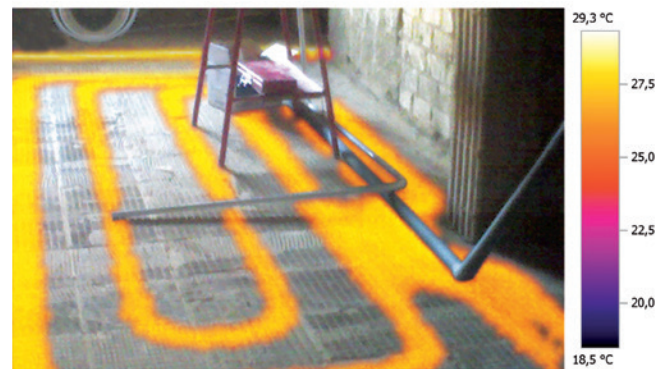
TwinPix: Two images in one.

The TwinPix function allows you to superimpose the real and thermal image of the measured object, so that you can navigate your way around the image easier and locate any areas of damage with precision. The real image does not necessarily need to have been taken with the thermal imager. You can also edit measured object images that have been photographed with a normal digital camera and from a different position. Then use the transparency level in TwinPix to individually adjust the intensity of the real or the infrared image component. Thermal anomalies can also be visualised in the real image by inserting infrared limit values – simple and impressive!

Superimpose real and thermal image individually with TwinPix

Generate professional reports quickly.

The IRSoft report wizard provides you with step-by-step guidance to obtain a complete and clear report. A variety of report templates are available for selection, making report generation even easier for you. Whether you prefer a report that is brief and concise or one that is lengthy and detailed – the templates contain all the relevant information relating to the measuring location, measuring task and inspection results. You can even use the report designer to create your own customised templates really easily. The reports can be saved as PDF or RTF files (e.g. for further processing in Word) or in Testo's own TIR format. TIR was developed specifically for IRSoft, making it really easy for you to edit your saved reports at a later stage.
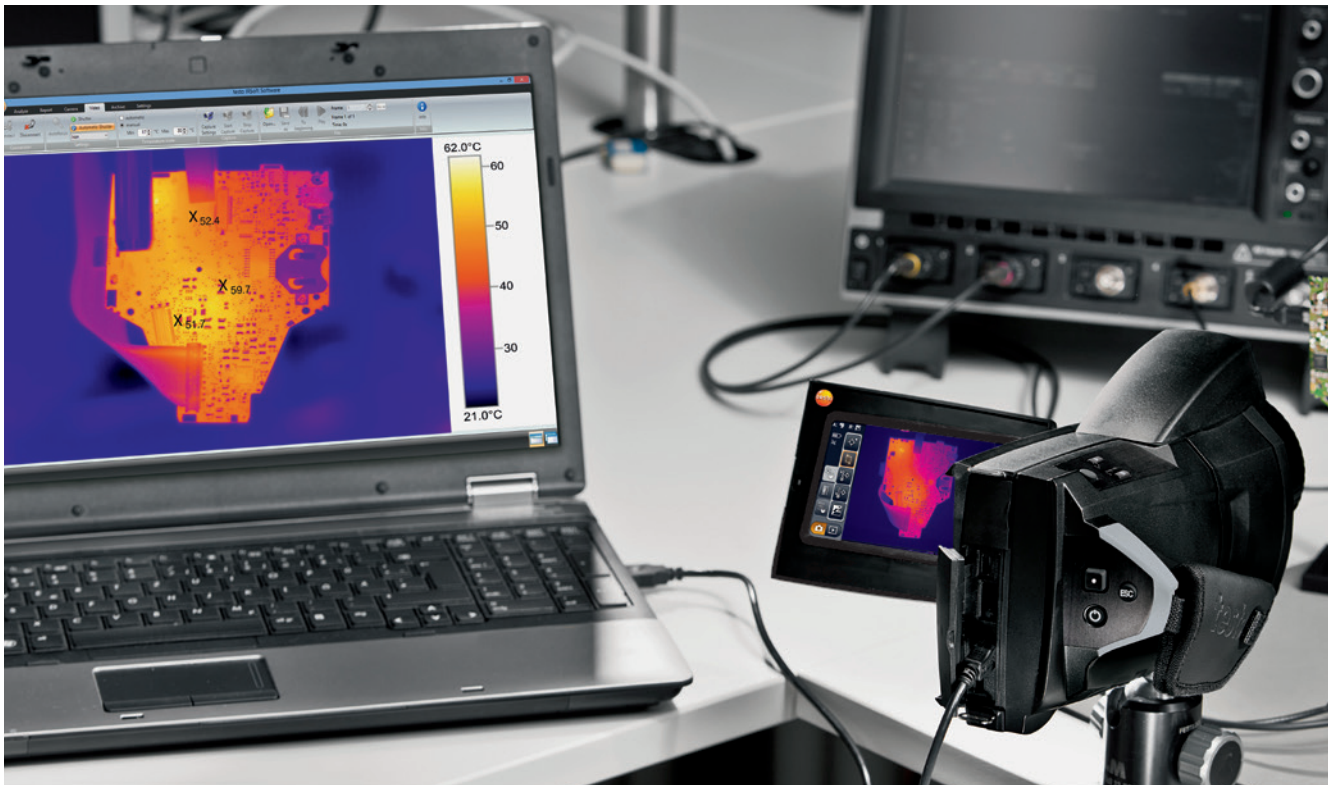

See hidden pipelines even in the real image, with TwinPix

Multi-page reports for complete documentation

IRSoft – all the advantages at a glance:

• Analyze thermal images precisely

• Evaluate several thermograms simultaneously

• Generate professional thermography reports quickly
and easily

More information.

Would you also like to carry out effortless analysis,
evaluation and documentation using IRSoft thermal images?
More information and answers to all your questions
at www.testo.com.

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www.testo.com