

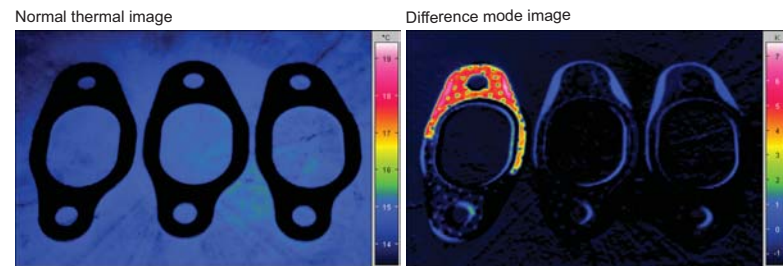
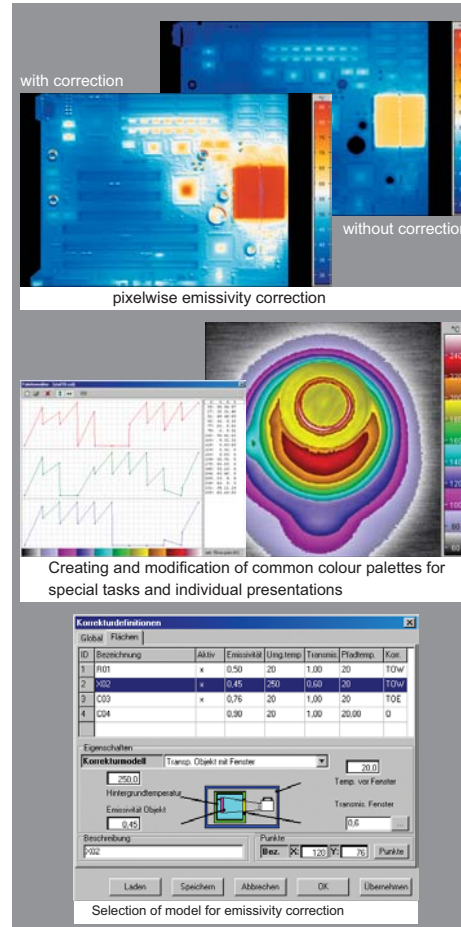
Thermographical analysis software IRBIS®

Special software for comfortable evaluation of thermal images

IRBIS® professional

contains furthermore additional functions for a scientific analyses of complex thermal problems with connection to extended, customised software:

- additional graphic and image processing tools
- free definable colour palettes and zoom multiplier
- accumulating of recorded thermal image sequences
- view of images in the difference image mode
- several models for emissivity correction
- pixelwise correction of emissivity
- difference mode of temperature values of images
- multi-window function possible
- statistics, data- and image base functions
- macro programable
- creation of video sequences



Detection of hidden adhesion weaknesses after stimulation with thermal impulse

IRBIS® control

Both are 32-Bit-Windows special software for remote controlling of PC-based data acquisition by Ethernet connection, frame grabber or FireWire. These software versions support thermographic systems of the series VARIOSCAN high resolution 302X universal and 302X PC (IRBIS control), VarioTHERM head and VarioCAM / head (IRBIS online).

- remote operation of camera function over graphic display
- online temperature measuring function and online temperature profil readout
- time- and action-controlled data storage of 16-bit thermal images
- online data storage on hard disk for further analysis

IRBIS® online

IRBIS® process

is a hard- and software extension module for process control. This module permits intensity and temperature process control depending on intensity or temperature.

Important: Use of the module IRBIS® process assumes the existence of the hard and software equipment of real-time data acquisition with IRBIS® online.

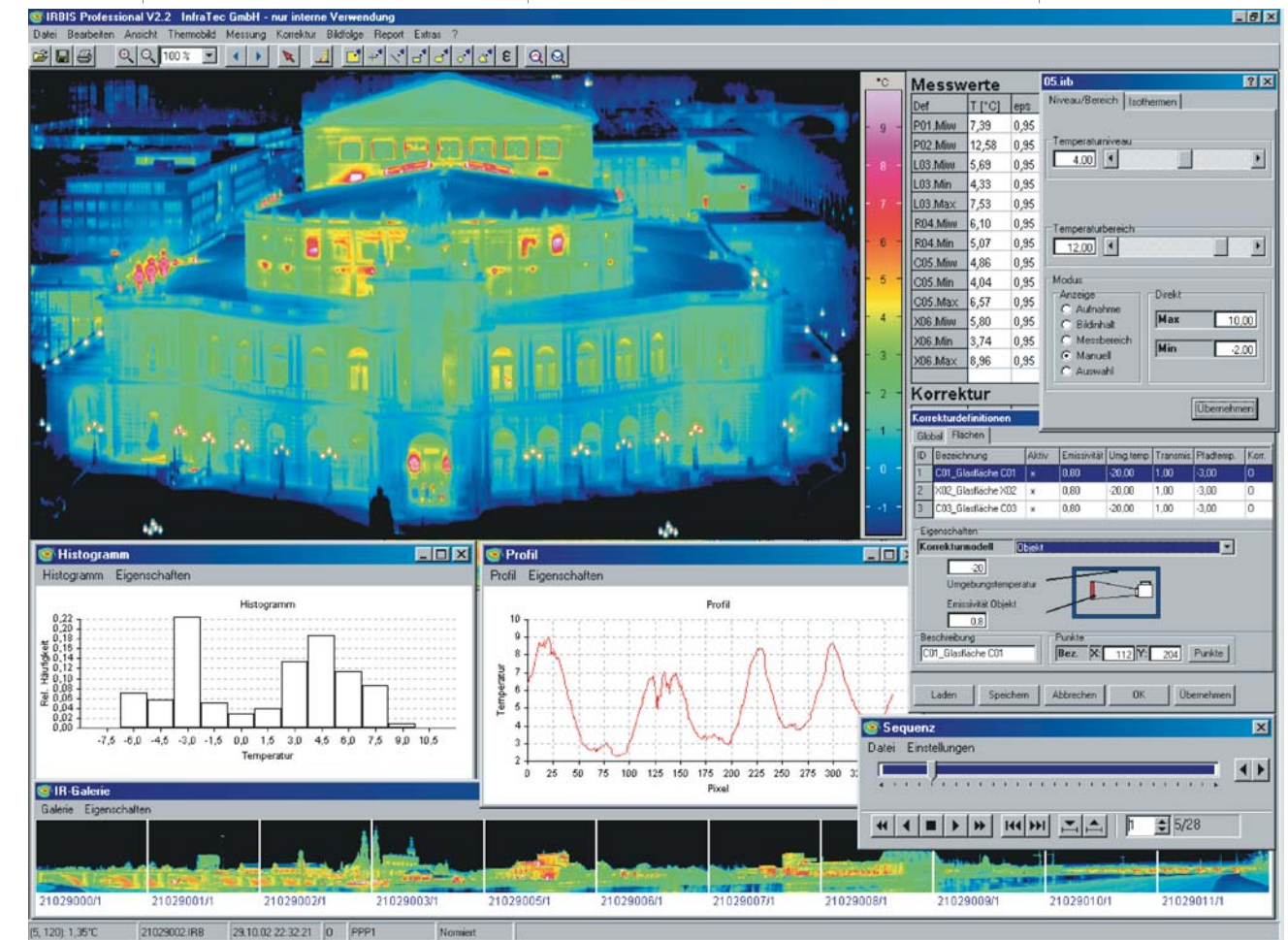
Thermographical analysis software IRBIS®

Special software for comfortable evaluation of thermal images

IRBIS®

IRBIS® plus

IRBIS® professional



IRBIS® control

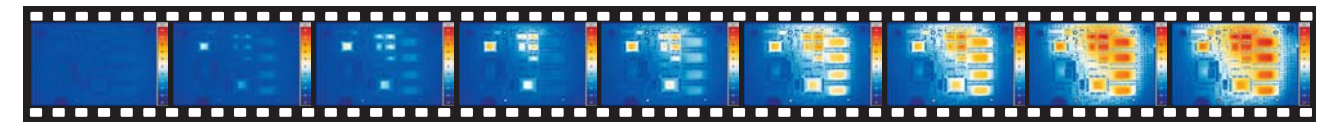
IRBIS® online

IRBIS® process

Thermographical analysis software IRBIS®

Special software for comfortable evaluation of thermal images

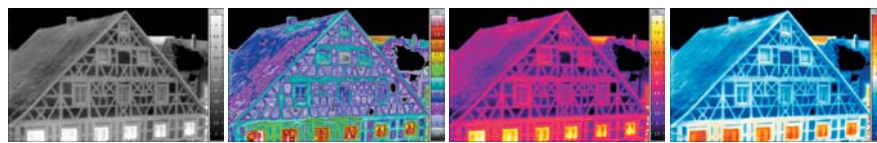
Special software for comfortable evaluation of thermal images



IRBIS®

is a software for the comfortable PC-based offline evaluation of thermal images for all 32-Bit Windows based systems. This software is included in the complete scope of delivery of every thermographic system with the following functions:

- thermal images of all thermographic systems of the series VARIOSCAN, VarioTHERM head and VarioCAM / head can be processed
- multilingual (selectable)
- visualization with display and printer optimized color palettes
- manual and automatic temperature range selection
- horizontal and vertical temperature profiles
- automatic min/max value- and position detection
- print and export of thermal images
- visualization of up to 10 isotherms
- optimization of the thermal images with digital filter
- temperature measurements on 10 measuring points and 2 measuring areas (line, circle, rectangle or polygon)
- limited models of emissivity correction definitions
- visualization of the coordinates with temperature for each point of the thermal image

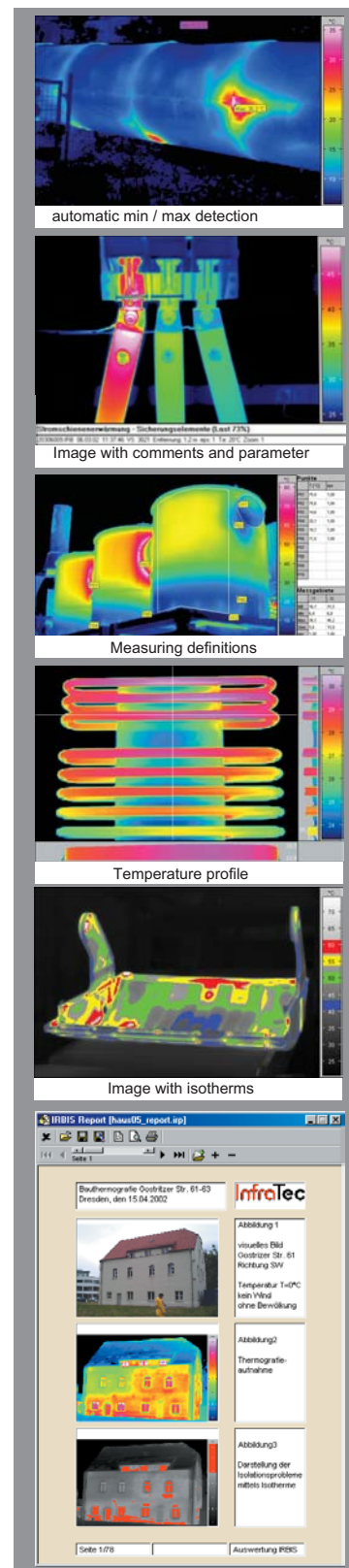


View in several f colour palettes

IRBIS® report-generator

for creating of evaluation reports of thermal images with automatic functions like:

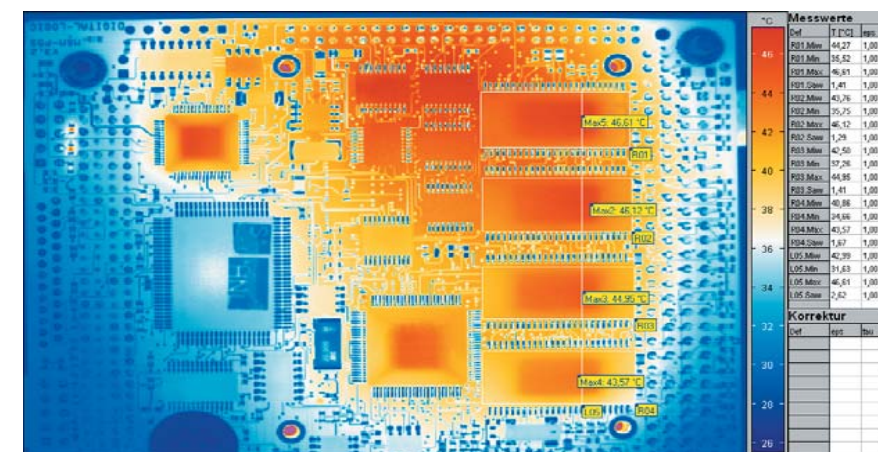
- comfortable evaluations of thermal images
- several templates adapted to special measuring tasks
- use and modification of different templates for the report
- Storage of special report characteristics in the template
- individual modifications of generated reports
- individual changes of reports by reload of thermal images
- automatic evaluations of big sequences (IRBIS® plus and higher)



IRBIS® plus

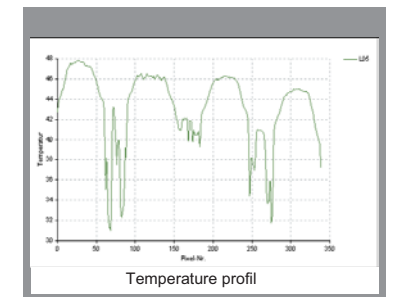
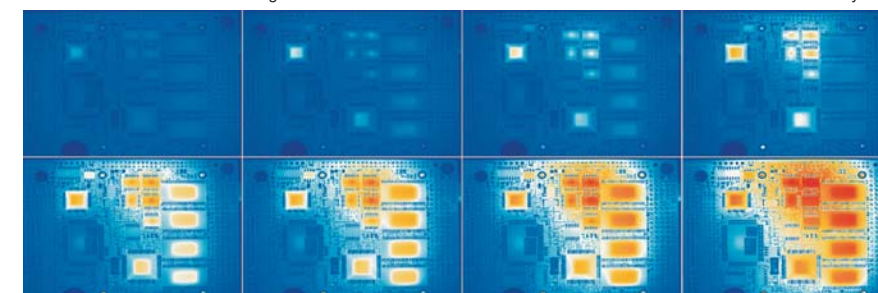
with additional functions for effective evaluations of thermal images:

- no software limits of quantity of measuring points and areas
- storage of measuring- and correction definitions
- area corrections of emissivity (circle, rectangle, polygon)
- automatic loading and measuring of thermal sequences with free definable measuring points
- visualization of temperature - time - diagrams
- storage of the measuring results in files
- display of temperature profiles (detail image, sequence)
- models for emissivity correction
- extended export possibilities into different formats (jpg, asc)
- additional statistics (histogram) of selected measuring areas or whole thermal image

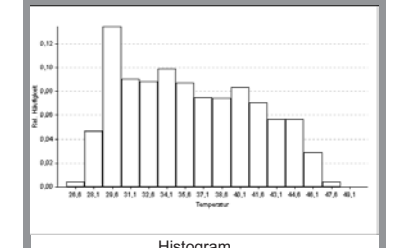


Printed circuit board with measuring definitions

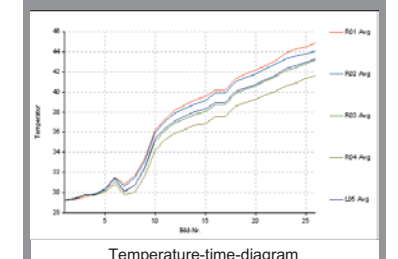
Gallery-view



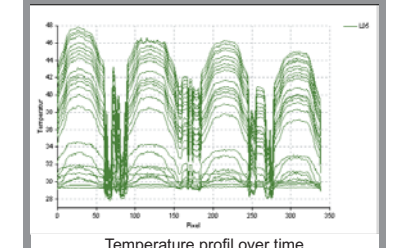
Temperature profile



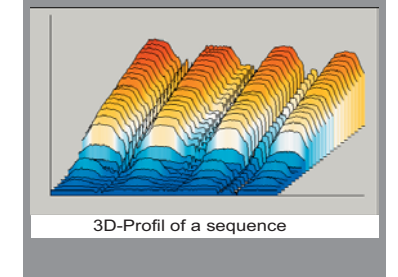
Histogram



Temperature-time-diagram



Temperature profile over time



3D-Profil of a sequence