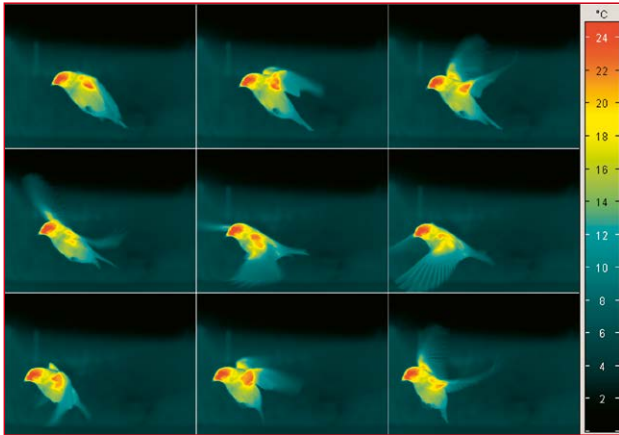


High-speed Thermography

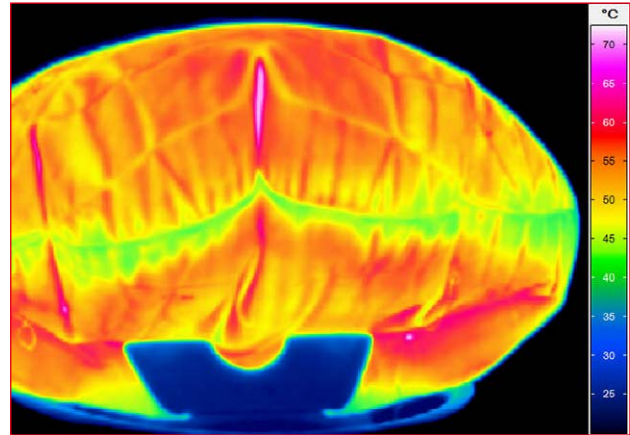
Solutions for Research, Product Development and Quality Control

Rely on more than 25 years experience in infrared thermography! To obtain your customised solution get in touch with InfraTec or one of our sales and service partners in your country!

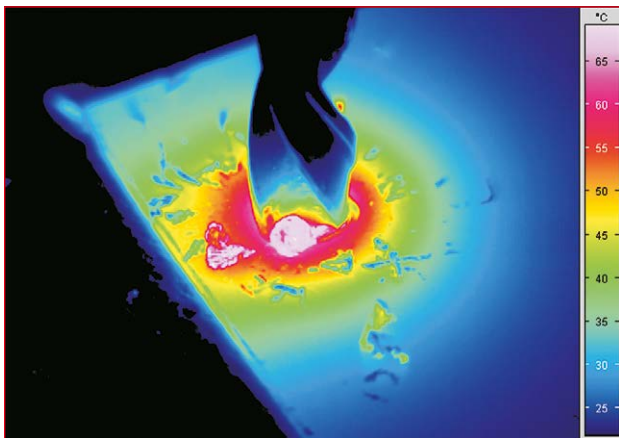
Speed Demanding Applications profit from InfraTec Solutions



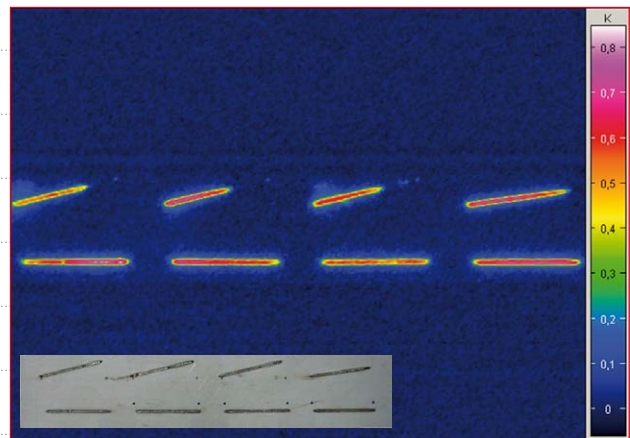
Thermal bio-kinematic fieldwork



Quality inspection of an airbag



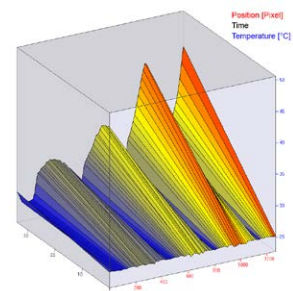
Cutting data optimisation for high-speed tools and machines (metal drill)



Tests of laser welding connection

Your Benefits Using Infrared Thermography by InfraTec

- Measure temperature contact-free
- Visualise temperature distributions
- Synchronise temperature measurements with other instrumentations or processes
- Analyse temperature data most efficiently
- Set up temperature data bases for thermal models and validate simulation data
- Work with ITAR-free solutions
- Made in Germany



Presentation of temperature distribution

High-speed Thermography

Solutions for Research, Product Development and Quality Control

High-end Cooled Cameras in the ImageIR® Series

- Three detector formats up to $(1,920 \times 1,536)$ infrared pixels
- Thermal resolution as low as 0.02 K
- Low jitter trigger for SYNC (IN / OUT), gate, analogue IN
- IRIG-B time stamp
- Image rate up to 4,500 Hz

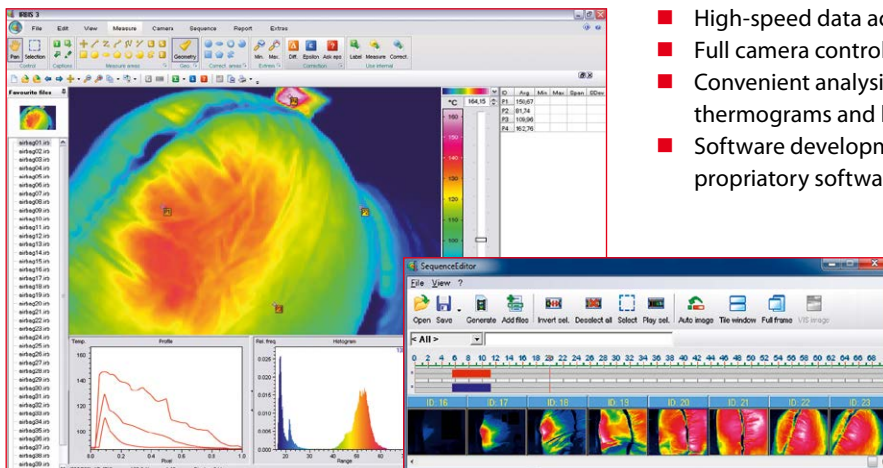


Professional and Universal Cameras in the VarioCAM® Series

- Four detector formats up to $(1,024 \times 768)$ infrared pixels
- Trigger functionality
- Thermal resolution as low as 0.03 K
- Image rate up to 240 Hz



Efficient Software IRBIS® 3



- High-speed data acquisition to RAM or HardDisk
- Full camera control
- Convenient analysis tools for single thermograms and long sequences
- Software development kit for integration into proprietary software, MATLAB or LabVIEW

Test Accessories and Turn-key Solutions

- Wide range of tools for active thermography (e.g. lock-in, pulse-phase)
- Specialised test bench for testing fast turning objects
- Customised test solutions for R&D and industrial processes

