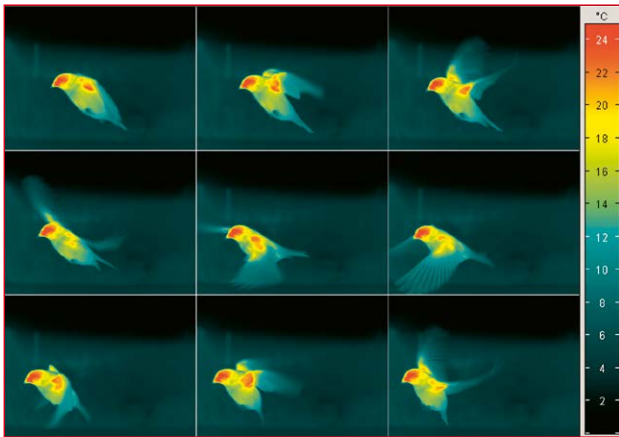


## High-speed Thermography

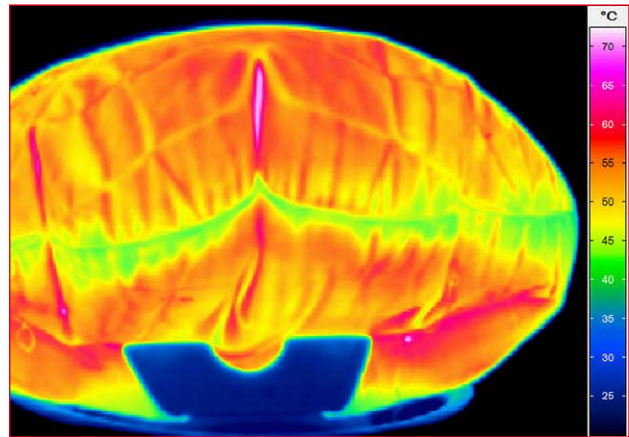
Solutions for Research, Product Development and Quality Control

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!

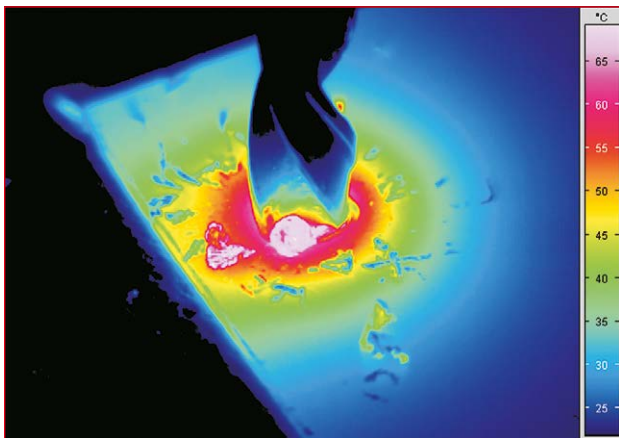
### Speed Demanding Applications Profit from InfraTec Solutions



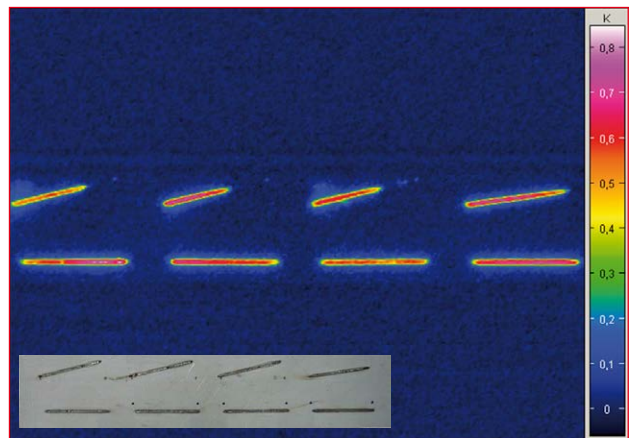
Thermal bio-kinematic fieldwork



Quality inspection of an airbag



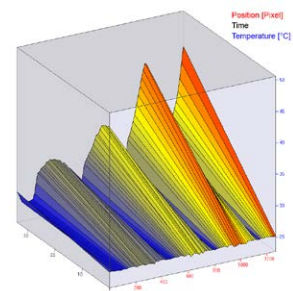
Cutting data optimisation for high-speed tools and machines (metal drill)



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

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## High-speed Thermography

Solutions for Research, Product Development and Quality Control

### High-end Camera Series Imager® with Cooled Detectors

- Detector formats up to (1,920 × 1,536) IR pixels
- Thermal resolution as low as 0.015 K
- Low jitter trigger for SYNC (IN / OUT), gate, analogue IN
- IRIG-B time stamp
- Frame rates up to 105,000 Hz

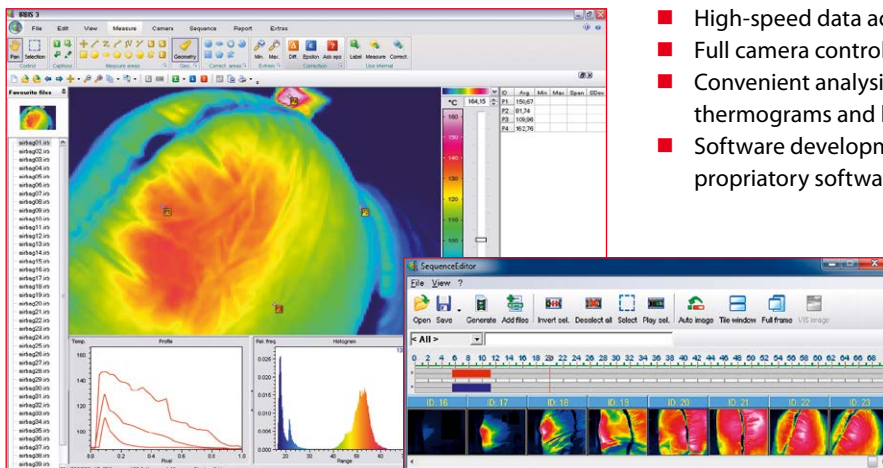


### Professional VarioCAM® Camera Series with Uncooled Microbolometer Detectors

- Detector formats up to (1,024 × 768) IR pixels
- Trigger functionality
- Thermal resolution as low as 0.02 K
- Frame rates 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

### Testing Equipment and Turn-key Solutions

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

