

**INNOVATIVE
INFRARED TECHNOLOGY
COMPANY PROFILE**



CHRONICLE OF SUCCESS

- 2003** Founding of Optris GmbH
- 2004** Development of the first stationary IR thermometer (optris CT LT), setup of our own production facility established in Berlin
- 2005** Launch of the first portable thermometer (optris LS) with patented crosshair laser
- 2006** Commercial launch of the miniaturized optris CSmicro IR thermometer
- 2007** Winner of industry innovation award for the optris CTlaser
- 2008** Over 10,000 CTs sold within one year
- 2009** Certification of the company; expansion of the international service network with sales partners on every continent
- 2010** Over 50 employees
- 2011** Doubling of manufacturing area
- 2012** Winner of the TR Award for the PI camera; expansion of manufacturing area and setup of new assembly lines for the PI camera series
- 2013** Fully radiometric aerial thermography with the PI LightWeight
- 2014** PI 640 VGA infrared camera; PI 1M camera for the metal industry
- 2015** Cooling Jacket Advanced as accessory for ambient temperatures of up to 315 °C
- 2016** Over 100 employees; Extension of production facilities



We guarantee our customers and sales partners a high standard of qualifications and expertise.

*Dr.-Ing. Ulrich Kienitz,
Managing Director*

EXPERTISE IN INFRARED TEMPERATURE MEASUREMENT TECHNOLOGY

Welcome to Optris,
one of the leading companies in the field of non-contact temperature measurement. We appreciate your interest and hope that you join the satisfied customers who choose to use our measurement technology – featuring the highest quality as well as groundbreaking measurement and application concepts.

TRADITION AND INNOVATION

Thanks to their extensive know-how and innovative concepts, our experienced engineers and physicists continuously inspire with outstanding solutions.

CORPORATE SOCIAL RESPONSIBILITY

We take our corporate responsibility seriously – that is why we ensure sustainable production and a secure working environment for our employees.

TOP QUALITY AT REASONABLE PRICES

We provide cutting-edge infrared technology. Cost advantages arising from bulk purchasing of semiconductor products and from the production process are passed directly on to our customers.



FIELDS OF APPLICATION

PROCESS OPTIMIZATION VIA TEMPERATURE MONITORING

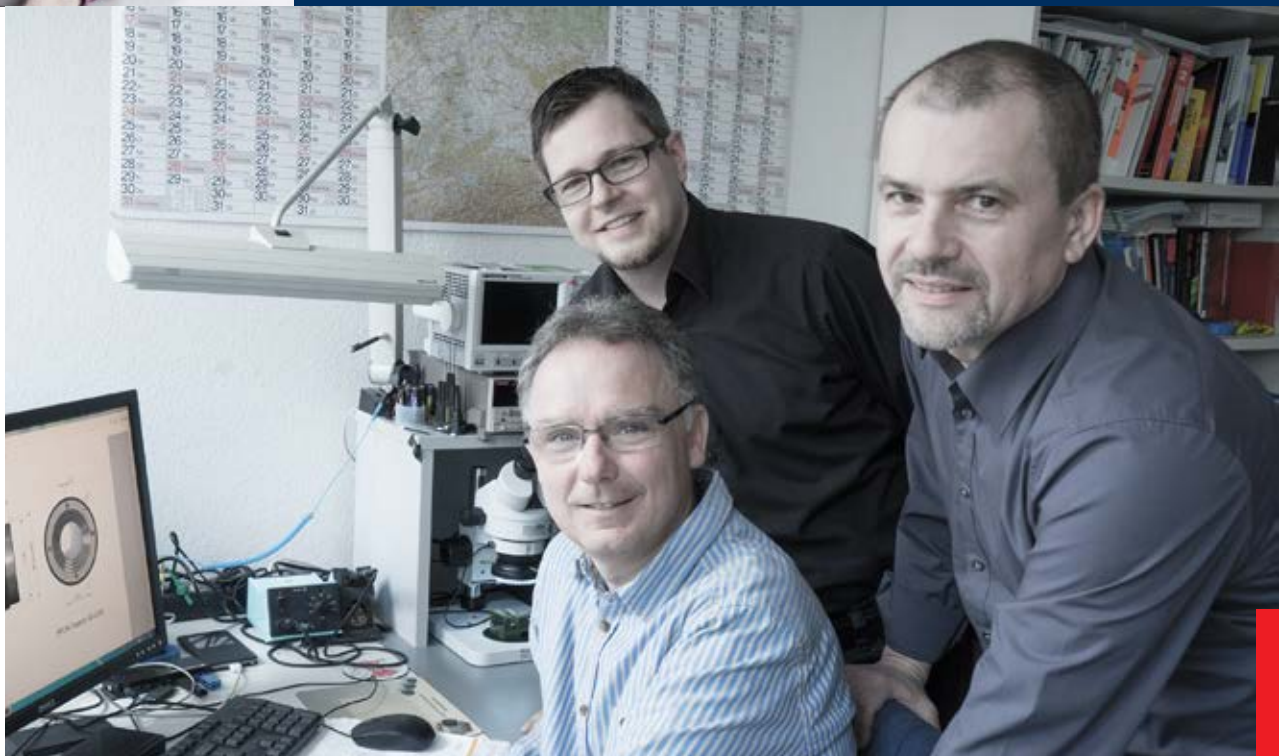
Optris is an intelligent and adaptive company. This is indicated by the healthy mix of young and experienced employees.

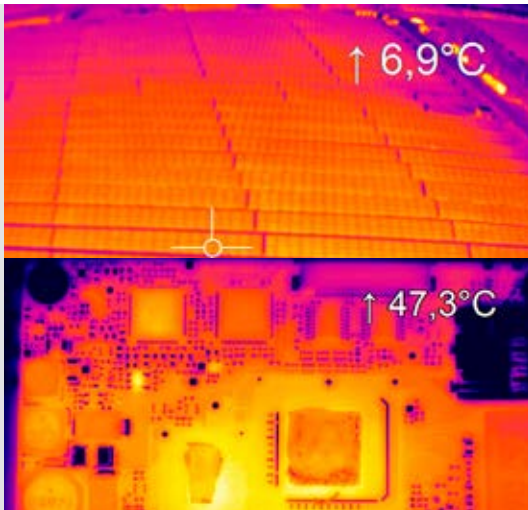
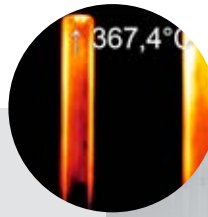
Christopher Gerner, Development



In many manufacturing processes, the product and process temperature are important physical variables.

Non-contact temperature measurement with Optris sensors and thermal imaging cameras ensures high production line quality standards.





SOLAR AND SEMICONDUCTOR INDUSTRY

Continuous monitoring and process optimization is vital in the solar and semiconductor industry. Our pyrometers and infrared cameras support the quality and function control of circuit boards and solar modules. Thanks to reliable hot spot and cold spot detection, any potential defects are identified quickly and accurately.

GLASS INDUSTRY

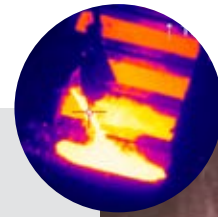
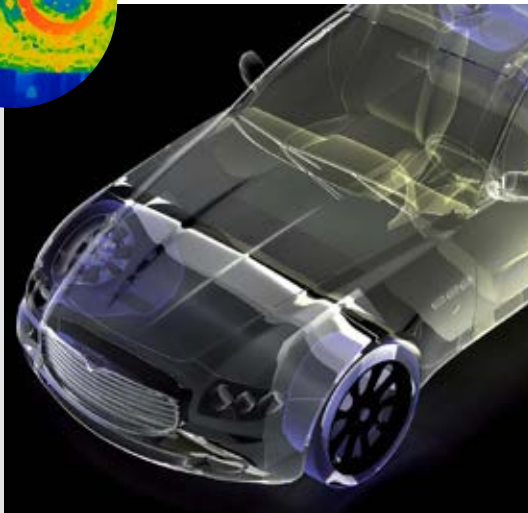
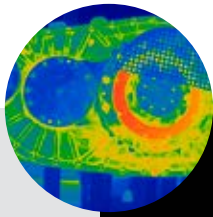
In order to ensure the highest level of quality, the glass industry and its energy-intensive production process relies on dependable means of temperature monitoring. Our glass thermometers and IR cameras are optimally suited to non-contact temperature measurement of glass surfaces and use innovative double lasers to indicate the exact measurement spot.

Thomas Günther, Development

I find it especially positive that we employees have a direct influence on the development of the products. And that everyone shows interest even in projects that they are not officially working on.

Johannes Gentz, Development

Uwe Klonowski, Development



AUTOMOTIVE INDUSTRY

In the automobile industry there are numerous production steps in which a variety of materials are processed. In order to guarantee flawless product quality, Optris provides efficient solutions for process temperature monitoring and optimization using infrared thermometers and thermal imaging cameras.



METAL INDUSTRY

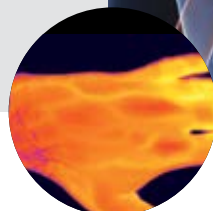
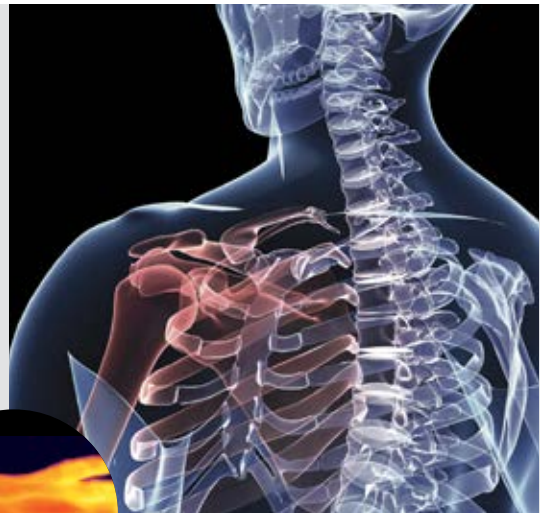
Our non-contact measuring sensors are now indispensable in the production and processing of metal. Particularly on the rolling line, during induction hardening and die forging, it is important to continuously monitor the temperature of the metal. Using our measuring instruments not only enables the production of highest quality products, targeted process perfection also decreases manufacturing costs. In addition to temperature measurement devices for liquid metal, our product range also includes pyrometers for high temperature measurements of up to 3000 °C, which also measure accurately in harsh environments and environmental temperatures of up to 315 °C with additional cooling.

PLASTICS PROCESSING

The manufacturing processes in the plastics industry are as varied as the plastics themselves. Optris has the perfect solutions for non-contact measurement of temperatures in the injection molding process, in PET bottle manufacturing or for thermoforming films. You can be sure that your plastic is always at the right temperature – thereby avoiding waste.

MEDICAL/ BIOLOGICAL SCIENCE

Also in the field of medicine, a wide range of processes can be monitored and optimized using non-contact temperature measurement. Our infrared thermometers and thermal imaging cameras are used by both the manufacturers of medical devices and medical professionals themselves for quick and precise diagnoses.



Mario Michel, Manufacturing Engineering

A very pleasant working environment with a flat hierarchical structure and an extremely amicable group of employees.

Frank Rehmer, Manufacturing Engineering





PRODUCT RANGE

TEMPERATURE SENSORS & INFRARED CAMERAS



We can be proud that we increased our number of employees to 100 in only thirteen years!

Torsten Czech, Product Marketing

Optris specializes in innovative temperature measurement technologies.

The quality and flexibility of the sensors and thermal imaging cameras offer a variety of benefits and ensure cost savings.



René Rösch, Production



INFRARED CAMERAS

Optris PI infrared cameras produce thermal images with exact temperature information in real time and are so small that they can be easily installed.

Our lightest models are also suited for aerial thermography and offer complete radiometric IR inspection with up to 640 x 480 pixels.

The USB 2.0 interface offers a universal connection to PCs for high-definition thermal images, analysis of surface measurements and storage of temperature curves via the optris PI Connect thermography software.



INFRARED THERMOMETERS

Intended for spot temperature measurements and for a wide range of configurations in almost all fields of application.

Our infrared thermometers are subdivided into the following categories:

Compact Series – equipped with particularly heat-resistant miniature temperature sensor heads.

High Performance Series – stationary laser pyrometers with innovative double laser sight for extremely precise measurement results.

Video Pyrometers – a built-in trigger function provides automatically generated real time images – time or temperature dependent – for documentation and quality assurance of the measurement objects. The innovative vario lens enables stepless focusing from 90 mm measuring distance for the precise measurement of the smallest objects (from 0.5 mm). The patented crosshair laser and the integrated video module offer reliable and precise measurement field correction for hard-to-reach and extremely hot measurement objects.

HANDHELD LASER THERMOMETERS

With their accurate spot measurements at close and long range, Optris laser thermometers can tackle any type of mobile measurement tasks.

The compact and convenient IR thermometers are optimally suited for preventative maintenance, vehicle inspections or other measurement tasks that require quick and easy temperature measurement.

Special hand thermometers for industrial applications can also withstand harsh environments without issue. With the integrated telescopic sight, fixing far-off measurement points is simple.



DEVELOPMENT & PRODUCTION

WORK PROCESSES AND COMPANY STRUCTURE



Thanks to the close cooperation of product development, production and sales, we can continually expand our range and react quickly to market requirements.

Short decision-making paths and transparent structures make us more flexible in competition and open to new ideas.

Not only is the entire development and production based in Berlin, I can also rely on domestic partners for procurement and consequently secure jobs in Germany.

Felix Lay, Purchasing Manager

TEMPERATURE MEASUREMENT TECHNOLOGY MADE IN GERMANY

In order to ensure the high quality of Optris products, 90 per cent of the production – as well as our product development – is carried out at our headquarters in Berlin. This is also where we coordinate our global sales.



It makes me proud that the software that I have developed is used in so many applications.

Matthias Wiedemann, Development

Ivan Lazarev, Development

SUPPORTING OUR EMPLOYEES

Maintaining a good relationship with our employees is very important to us – their continued specialized training plays an essential role. We support student employees, degree candidates and apprentice trainees in our company and facilitate their participation in further education.

CERTIFIED QUALITY

To guarantee the consistently high quality of our products, all Optris in-house processes are certified according to DIN EN ISO 9001:2008. This ensures smooth product manufacturing processes.



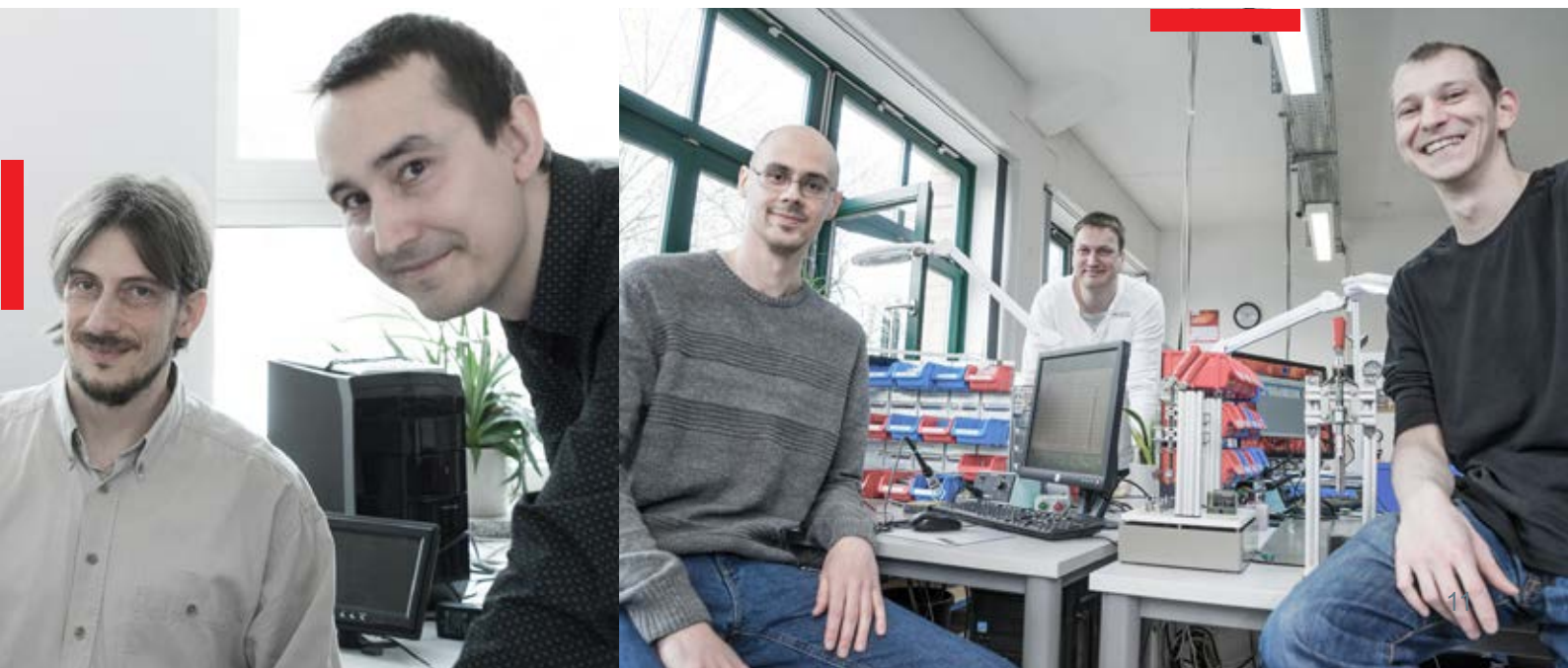
Christoph Kleeman, Production

Christian Urbigkeit, Production

Frank Kollewe, Production

Optris sets itself apart with its high level of quality consciousness and the opportunities to work independently.

Chris Lange, Production



CONSULTING & SERVICE

GLOBAL DISTRIBUTION NETWORK



Optris has international presence due to its extensive network of sales partners. We highly value their expertise and regularly conduct product and application training events. This provides customers who use Optris infrared thermometers and thermal imaging cameras with expert global support.

With Optris you can develop your potential – and I will not unnoticed. This creates a service team that is flexible and willing to do their utmost to help the customer resolve any issues as soon as possible.

Christian Hagemeyer, Service

SATISFIED CUSTOMERS

Our experienced application engineers guarantee expertise in the office and in the field. They ensure that our customers get first-class advice, reliable solutions for their measurement tasks, and excellent service.

COMPREHENSIVE SERVICE

As a globally operating company, comprehensive global customer support is vital to Optris. This is not only based on providing advice on infrared technology and new products, but is a living exchange of experience. With our international network of service partners, Optris is perfectly positioned for future development.



GLOBAL PRESENCE

We keep in close contact with our global sales partners and ensure that every customer project can be realized locally using the best-suited technology. Our international distributors are not only familiar with Optris products – they also know their country-specific attributes.



I am proud of Optris's pioneering technology. We have a market niche that distinguishes us from many other companies. As international sales engineers we understand other cultures.

Teresa Maya, Internal Sales (International)

Christian Langner, Internal Sales (International)

Our cooperative attitude to work is based on reliability and mutual trust.

Constantin König, Internal Sales (National)

At Optris I like the unmistakable team spirit and the great personal commitment of every individual.

Patrick Mattheß, Internal Sales (National)

Flat hierarchical structures and the associated short decision making processes result in optimal workflows. Optris gives me enough freedom to introduce new ideas.

Maik Lippe, Internal Sales Manager



OPTRIS WORLDWIDE

OUR INTERNATIONAL SALES PARTNERS



*I am fascinated by the possibilities of IR technology
and Optris is the cheetah in this field.*
Bülent Franke, Internal Sales (International)



ASIA

- China
- India
- Israel
- Japan
- Korea
- Singapore
- Thailand

AFRICA

- Algeria
- South Africa

AUSTRALIA

NEW ZEALAND



EUROPE

- | | |
|---------------|------------------|
| • Belgium | • Poland |
| • Bulgaria | • Portugal |
| • Denmark | • Romania |
| • Germany | • Russia |
| • Finland | • Sweden |
| • France | • Switzerland |
| • Greece | • Slovakia |
| • UK | • Slovenia |
| • Italy | • Spain |
| • Croatia | • Czech Republic |
| • Lithuania | • Turkey |
| • Netherlands | • Ukraine |
| • Norway | • Hungary |
| • Austria | • Cyprus |

YOU CAN FIND US HERE

Our capable local distributors can help you to choose the most suitable devices for your individual applications.

Find the right contact here:
www.optris.com/sales-support

Optris GmbH
Ferdinand-Buisson-Str. 14
13127 Berlin · Germany
Phone: +49 (0)30 500 197-0
Fax: +49 (0)30 500 197-10
Email: info@optris.com
www.optris.com

