

WHEN TEMPERATURE MATTERS

COMPANY PROFILE



CHRONICLE OF SUCCESS

- 2003** Foundation of the Optris GmbH
- 2004** Development of the first stationary IR thermometer
- 2005** Launch of the first portable thermometer (optris LS) with patented crosshair laser sighting
- 2006** Launch of miniaturized pyrometer series CS and CSmicro
- 2007** Winner of industry innovation award for the pyrometer optris CTlaser
- 2008** More than 10,000 CTs were sold within one year/ Launch of first IR imager PI 160
- 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
- 2013** Fully radiometric aerial thermography with the PI LightWeight
- 2014** PI 640 VGA infrared camera
- 2015** PI 1M camera for the metal industry
- 2016** Over 100 employees; PI 640 G7 – first VGA infrared camera for the glass industry
- 2017** Optris IR sensing starts its business in Portsmouth/ USA
- 2018** Launch of the compact spot finder IR cameras Xi 80/ 400 & IRmobile app for Android; Xi 80 honored with messtec + sensor masters award
- 2019** Compact infrared camera for laser machining processes PI 08M
- 2020** New ratio pyrometer optris CTratio 1M and 2M; Fever Screening System for detection of elevated skin temperatures
- 2021** New high-speed pyrometer CT 4M for very fast processes; New compact infrared camera Xi 410 with Fast Ethernet + autonomous operation



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

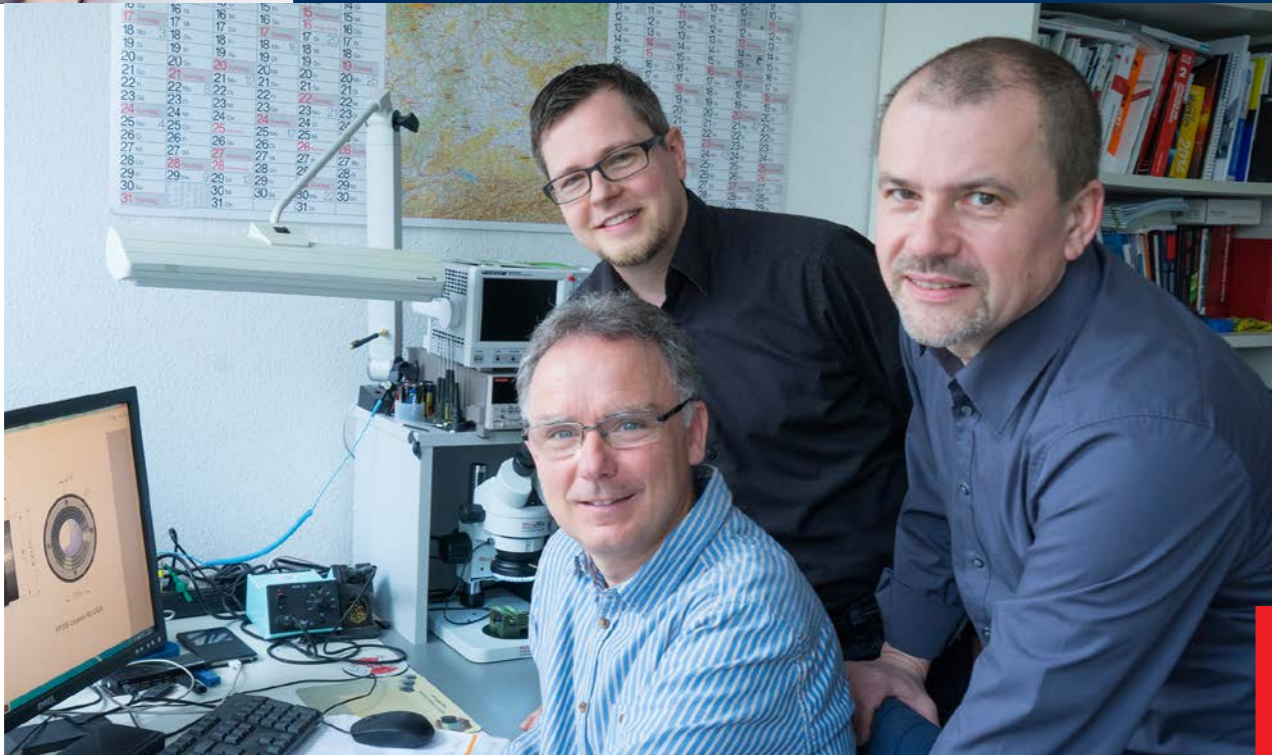
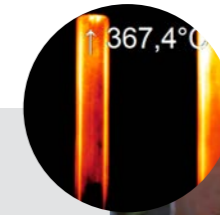
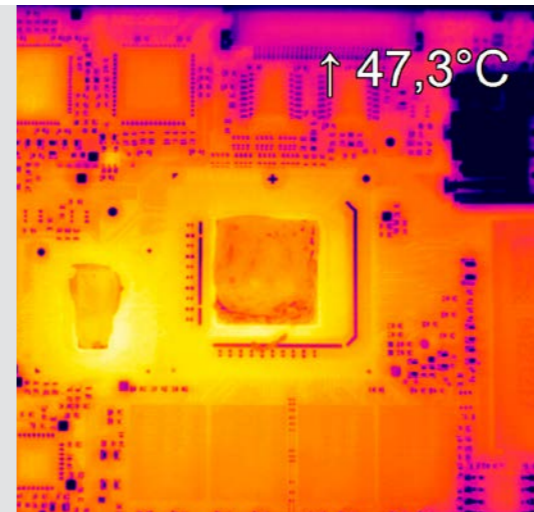
PROCESS OPTIMIZATION VIA TEMPERATURE MONITORING

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.



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.

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

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.

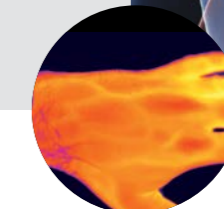
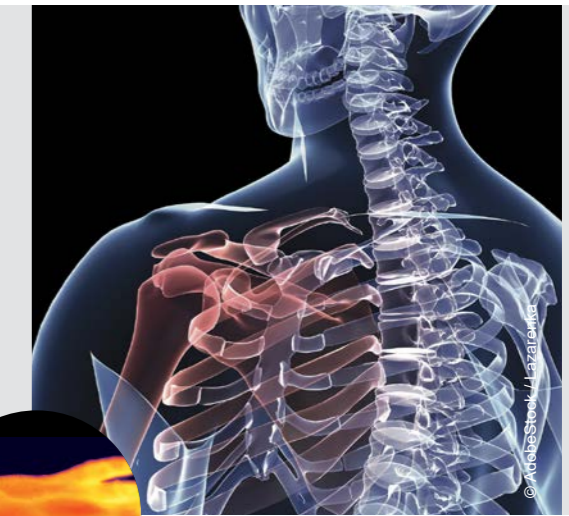
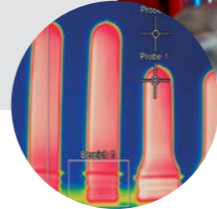
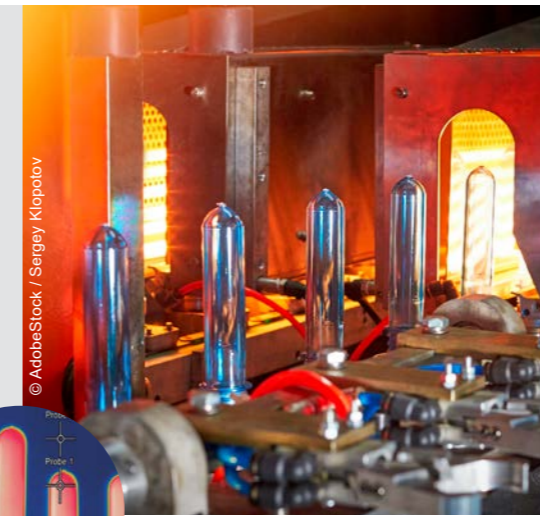
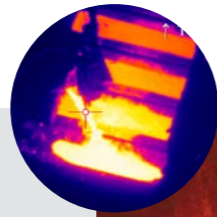
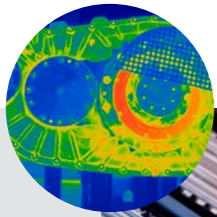


PLASTICS PROCESSING

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.



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.

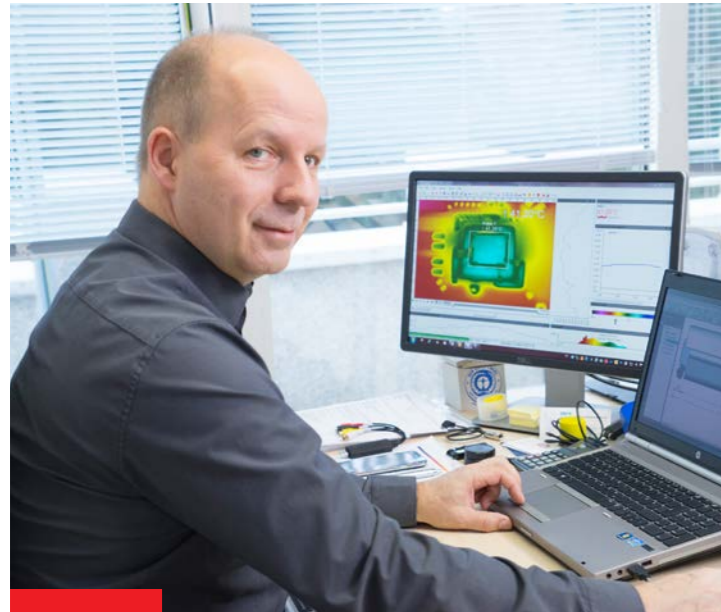
A very pleasant working environment with a flat hierarchical structure and an extremely amicable group of employees.

Mario Michel, Manufacturing Engineering



PRODUCT RANGE

TEMPERATURE SENSORS & INFRARED CAMERAS



We can be proud that we increased our number of employees to 110 in only eighteen years!
Torsten Czech, 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 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:

CS | CSmicro series

Compact size, Smart features for very limited installation space

CT series

Small head, Separate control box for comfortable use with display and programming keys

CSlaser | CTlaser series

Double laser, Several optics for large distances or small objects

CSvideo | CTvideo series

Vario focus, Laser and Video sighting for any distance and difficult viewing conditions

CTratio series

Ratio pyrometers for small, obscured or moving objects

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.

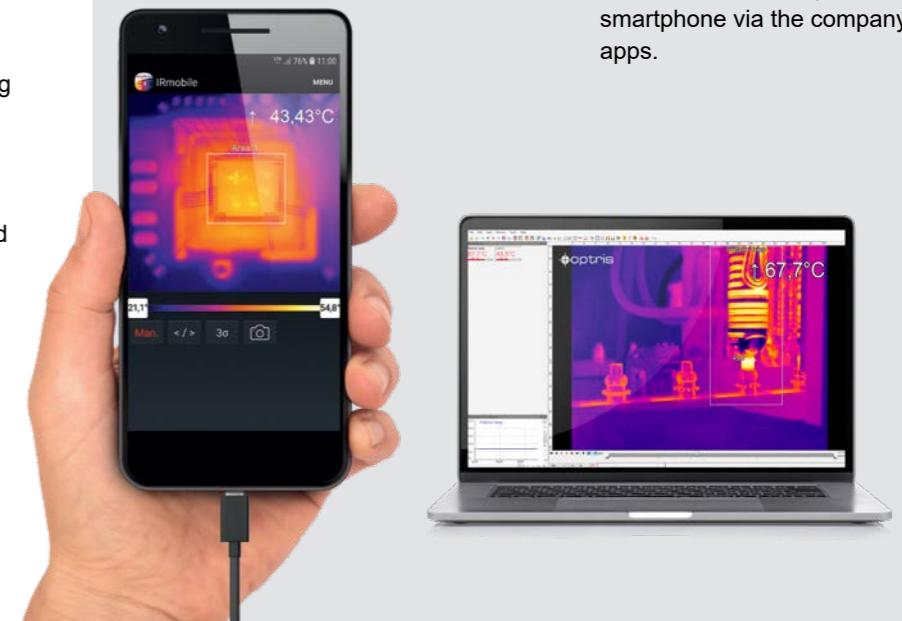
The USB 2.0 interface offers a universal connection to PCs for high-definition thermal images, analysis of surface measurements and storage of temperature curves via the optris PIX Connect thermography software.



SOFTWARE & APPs

In addition to its temperature measurement instruments, Optris also offers a wide range of software solutions, which can be designed to meet the customer's requirements.

Especially the Optris software PIX Connect is used worldwide in various applications to display, evaluate and analyze measurement data. Optris also offers mobile solutions such as the IR mobile app. Measurements and evaluations can be carried out quickly and easily on a smartphone via the company's own apps.



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.
Michael Mehlitz, Purchasing

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

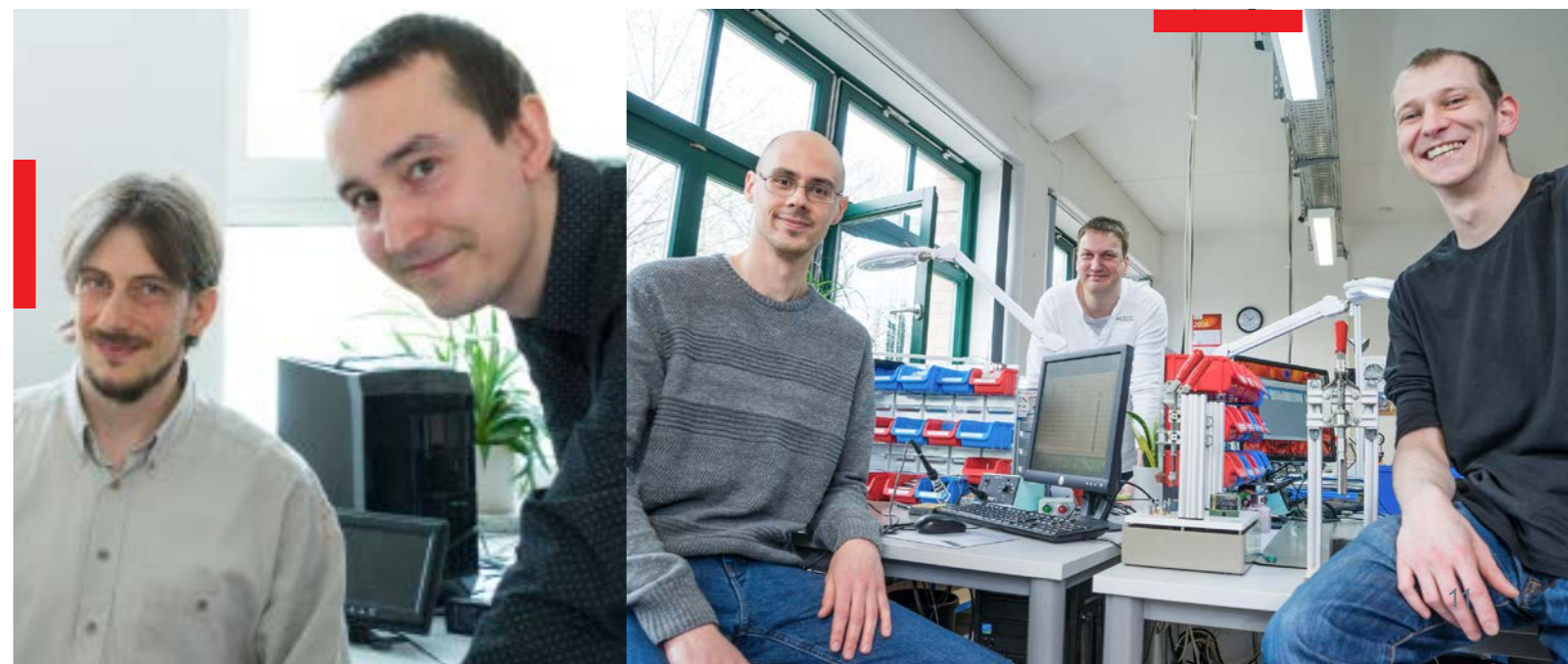
To guarantee the consistently high quality of our products, all Optris in-house processes are certified according to DIN EN ISO 9001:2015. This ensures smooth product manufacturing processes.



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

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.



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.



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, International Sales

Christian Langner, Order Processing

New distributors take part in a technical training where Constantin König explains current optris exhibition models.

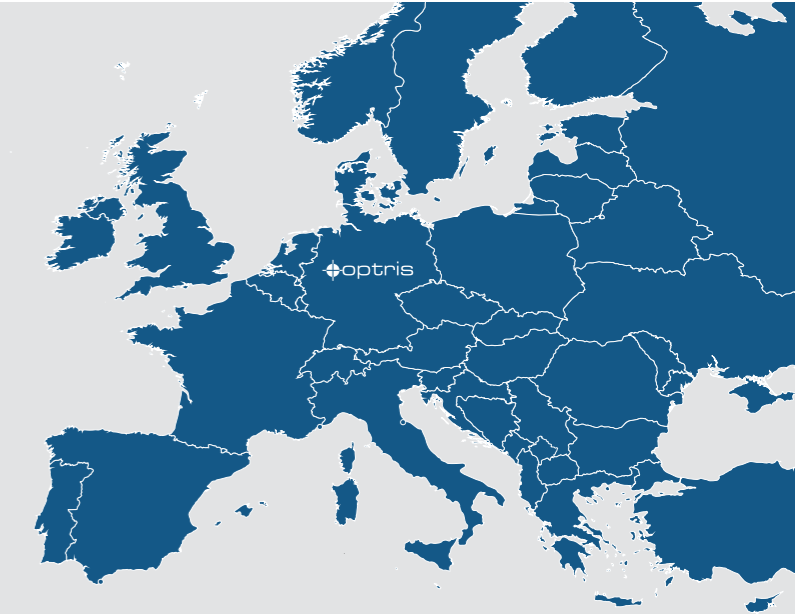
Constantin König, Loan Units / Exhibition Models



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



OPTRIS WORLDWIDE OUR INTERNATIONAL SALES PARTNERS



AMERICAS

- Argentina
- Brazil
- Canada
- Chile
- Columbia
- Mexico
- Peru
- USA (Optris USA)

ASIA PACIFIC

- Australia
- China (Optris China)
- India
- Indonesia
- Israel
- Japan
- New Zealand
- Singapore
- South Korea
- Taiwan
- Thailand
- Vietnam

AFRICA

- Algeria
- South Africa

EUROPE

• Albania	• Italy	• Slovenia
• Austria	• Kosovo	• Spain
• Belgium	• Lithuania	• Sweden
• Bulgaria	• Luxembourg	• Switzerland
• Croatia	• Netherlands	• Turkey
• Cyprus	• Norway	• Ukraine
• Czech Republic	• North Macedonia	• United Kingdom
• Denmark	• Poland	
• Finland	• Portugal	
• France	• Romania	
• Germany (Headquarters)	• Russia	
• Greece	• Serbia	
• Hungary	• Slovakia	

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.global/sales-support




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