

## About this organisation

### Machine translation

This organisation has been machine-translated based on data provided in German.

Since its foundation in 2003, Optris GmbH has developed into one of the leading and most innovative companies in the field of non-contact temperature measurement worldwide. The product portfolio includes stationary infrared thermometers and online infrared cameras as well as accompanying accessories and software for industrial applications and research and development.

Thermal imaging cameras reduce waste in the thermoforming process for automotive exterior parts. Before the plastic sheets can be moulded into perfect trim parts, they have to be heated. This is done by top and bottom heating in a radiator field of the thermoforming machine. After heating, the fibre composite sheets are pressed into the shape of the cladding part in the machine and then cooled. The handling time between heating and forming is minimised. In addition to the forming process, functional groups (e.g. air inlet nozzles) are moulded at the same time. In a further step, the cladding part is trimmed and shaped by a laser before it is passed on to the end customer for assembly. Process optimisation through non-contact temperature measurement technology is the ultimate goal.

Ferdinand-Buisson-Str. 14  
13127 Berlin  
Berlin  
Germany  
[www.optris.de](http://www.optris.de)

**Main areas covered** Thermal imaging cameras

### Infrastructure

**Certifications** DIN EN ISO 9001:2015

**Keywords** Compact thermal imaging cameras, Small infrared thermometers

**Memberships** AMA Association for Sensor Technology



### Organisation type

Small or medium-sized enterprise

### Sectors



### Employees

50 up to 249

### Turnover

€10m - €50m

### Funding

n/a

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<b>Products</b> Software & databases, Systems and end products		✓	✓
<b>Services &amp; consulting</b> Distribution			✓
<b>Field of technology</b>			
<i>Design &amp; layout</i>			
<b>Functional integration</b> Sensor technology		✓	✓
<b>Measuring and testing technology</b> Others (Non-contact temperature measurement)		✓	✓
<i>Modelling and simulation</i>			
<i>Plant construction &amp; automation</i>			
<i>Recycling technologies</i>			

## Overview of lightweighting expertise

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Research    Development    **Manufacturing  
& Supply**

#### Manufacturing process

*Additive manufacturing*

*Coating (surface engineering)*

*Fibre composite technology*

*Forming*

*Joining*

*Material property alteration*

*Primary forming*

*Processing and separating*

*Textile technology*

#### Material

*Biogenic materials*

*Cellular materials (foam materials)*

*Composites*

*Fibres*

*Functional materials*

*Metals*

*Plastics*

*Structural ceramics*

*(Technical) textiles*

## Contacts

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