

# Vision with foresight

At SensoPart we already anticipate the future of automation



“Our standard is not what is possible today, but the vision of what will be achievable in future” – this has been our credo since the founding of SensoPart in 1994. Our aim is to remain one step ahead and be able to offer our customers the most innovative products on the market.

When we have identified a path as correct we follow it consistently. As a family-run German company we can act independently

and as we see fit – a major prerequisite for the extremely successful development that SensoPart has achieved since its start.

Successful products, now considered indispensable for modern factory automation, have been created from the many future-oriented ideas of earlier days. But we do not simply rest on our laurels – because we still have many ideas for the future.



### “Dependability, responsibility and trust”

SensoPart is a family-run German company and this also influences our attitude towards work: we believe that dependability is important, we take responsibility for our activities, and we value close and trusting relations within the company as well as with our customers and business partners.

Dr. Theodor Wanner,  
Founder and Managing Director of SensoPart

### Milestones in the company's history



# Innovations made in Germany

Future-oriented solutions are created at SensoPart – and developed and produced at our Gottenheim and Wieden sites














Those entering the new SensoPart buildings in Gottenheim near Freiburg immediately notice that this is an innovative, open company. This first impression of order and transparency is confirmed by a glance at our production facilities: everything is in the right place here and everyone knows what they are doing. The result is the famous quality “made in Germany”, of which we at SensoPart are particularly proud.

Less obvious, but nevertheless decisive for the whole, is our development department. We do everything to give new ideas and innovations space here. Regardless of whether the optimisation of a product’s functional detail is involved or whether it is necessary to come up with a completely new product family, our development engineers are committed with a lot of energy and great expertise. Numerous Innovation Prizes in recent years document this: with success!

*At SensoPart we follow the principle of lean production – characterised by maximum flexibility and efficiency, as well as the economical use of resources.*

## Milestones of product development

										
<b>1994</b> FMH 18: the first proximity sensor in a cylindrical housing with very precisely adjustable background suppression, achieved via a 12-step potentiometer	<b>1995</b> FT 50: scanner with adjustable background suppression and analogue switching point indicator, with rotatable plug	<b>1996/1997</b> FT 20: smallest photoelectric proximity sensor with LED or laser light, adjustable background suppression and teach-in	<b>1998</b> FT 50 C: the world's smallest colour sensor with white light LED and spectral colour separation with innovative tube prism system	<b>1999</b> F 90: laser distance sensor with long range, light time-of-flight measurement and an adjustment laser that can be switched off	<b>2003</b> FT 50 RLA: laser distance sensor (triangulation process) with excellent measurement properties and many supplementary functions	<b>2006/2008</b> FA 45/46: vision sensors in compact industry-oriented housings (IP 67) with built-in lenses and integrated illumination	<b>2009</b> FT 55: family with laser photoelectric proximity sensors with highly precise, adjustable background suppression, in plastic or stainless steel housings (IP 69K)	<b>2010</b> FT 10: the world's smallest laser proximity sensor with highly precise, adjustable background suppression, and suppression of interference	<b>2011</b> F 25: variant-rich series of powerful and robust miniature sensors with highly precise, adjustable background suppression	<b>2011</b> VISOR®: user-friendly vision sensor with particularly powerful image processing and expanded functionality

# From practical experience, for practical use

We are near our customers – all over the world



Innovative, flexible and practical – this is SensoPart. We have already brought many innovative solutions to fruition in collaboration with our customers in Germany and abroad. Our sensor specialists know exactly what industry needs and maintain close personal exchanges with users. This allows the creation of consistently practical products and solutions that compete successfully on the market.

It is indeed true that selection of the right sensor, the optimum illumination and the appropriate configuration can sometimes be a science in itself. So it is all the more important that our customers can rely on our expertise and active support. Because only practical use shows the value of a good and partnership-based collaboration.

## What our customers say about us ...

“Products from SensoPart are very easy to integrate and configure.”

“SensoPart is always a good contact when tasks are tricky.”

“SensoPart has practical people.”

“We always get rapid and competent support from SensoPart.”

“SensoPart understands us and knows what we need.”

## Sectors and applications



# More than sensors

Customer service is a matter of course at SensoPart



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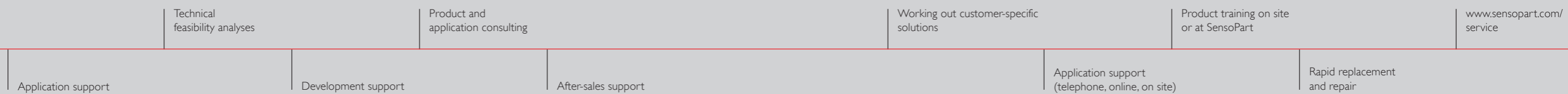
SensoPart not only sells sensors, but is also available for its customers before and after delivery of the product. We listen and are pleased to offer our comprehensive specialist knowledge and experience in industrial automation. For every customer requirement, however specialised, we find an effective and practical solution together.

Another advantage for our customers is that, at SensoPart, one hand knows what the other is doing. As a medium-sized company, we are sufficiently large to be able to achieve a lot but also flexible enough to react quickly. Thus our customers can always find a contact who knows exactly what is going on and can deal with their enquiry – as a matter of course.



*Technology is important, but people are what matter for creating a successful business partnership. This is why we place great value on a personal, trusting relationship with our customers. Our personnel always have a sympathetic ear for questions and problems, and are delighted to be able to help with words and deeds.*

## Range of services for our customers





Forward-looking thinking and action are self-evident at SensoPart because they are the prerequisites for success – not just today, but also in the future. On the one hand, this involves environmentally friendly manufacturing techniques in line with the principle of lean production: all our processes are characterised by maximum efficiency, the responsible use of resources, and the consistent recycling of production waste.

Sustainability, on the other hand, means that we do everything possible to maintain our innovative capability. This is why we invest double the sector average on research and development. And we ensure that we will also have good personnel in future: about one-tenth of our workforce are trainees and students from the Baden-Württemberg Cooperative State University (DHBW). Some of them will, we are certain, make a lasting impression on the future of industrial sensors.



*We take environmental protection seriously: solar collectors on the roof of our buildings in Gottenheim generate, on average, more electricity than is required by our production plants.*

# It's set up!

VISOR®. The vision sensor with which you can immediately get going.



**Unpack, set up and get going** – never before have vision sensors been so powerful and so easily and intuitively operated. The VISOR® is ready for operation in just ten minutes with a few mouse clicks. With VISOR® technology from SensoPart there is now a simple and effective solution for even the most difficult of automation tasks. Whether objects with a complex shape, data matrix codes, self-lighting display elements or edge defects on solar cells – our application-specific vision sensors reliably detect all relevant object features.



## Unmasked!

Regardless of whether black, white or brightly coloured – our sensors miss nothing.

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**Who can see the tiger?** Distinguishing object from background can sometimes be a real art. Photoelectric proximity sensors from SensoPart master this art with ultimate perfection. Thanks to their excellent background suppression they see precisely what matters: the object itself – and nothing else!



### Reliable object detection

- Independent of the target object's size, shape, colour, material and surface properties
- Detection according to the principle of distance measurement: precise and reliable



### High process stability

- Reliable suppression of unwanted reflections and ambient light
- Suppression of moving parts in the background (e.g. the transport belt, machine parts, persons)
- Reliable detection of target objects even at low distances to the background

### The economical solution

- Applicable for all task areas
- Rapid commissioning via simple teach-in
- Long machine running times thanks to quality sensors from SensoPart, made in Germany