

Small, but getting more important in ever more products in the most diverse areas: Optics. Zühlke has experienced optics experts, who supplement your development team or develop your product according to your ideas.



Consulting Development Integration

Optics

Optics are Everywhere

Many technical products these days are no longer conceivable without optical modules. Examples are: simple display lighting, the light arrangement for an optical sensor, or a complete picture display system. Although the optics usually constitutes a very small part of the development and manufacturing costs, it is frequent at the core of the innovation. The remaining system is built "around it".

Broad knowledge essential

Optical systems should be efficient or supply a high resolution, take up little space, and be able to be manufactured at low cost. The central function often results in various complex interfaces to mechanics, electronics, software and the users.

Use Experts for a Limited Time

In many projects the optics portion is small. Therefore, employing or training your own specialist is hardly worthwhile. Temporarily pulling in an external engineer is more efficient and faster. Apart from optics knowledge, Zühlke's experts bring



along knowledge in system integration and so ensure the optimisation of the overall system.

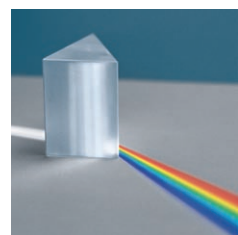
Implementation of Prototypes

Our workshop manufactures prototypes (lenses, light guidance structures) from various plastics of optical quality. These prototypes can be tested promptly so that designs can be optimised immediately. For transfer into production we select a suitable supplier with you and support you with the implementation into mainstream production.

Your Benefits

- Custom-made support for your overall project by experienced optics experts.
- Access to optics knowledge from diverse projects.
- Rapid conversion from draft to prototype and transfer into production.

For challenging optics, Zühlke is your partner. Talk to us to turn your idea in to a project. We look forward to your contacting us.



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