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Indirizzo	<b>Docter Optics SE</b> Headquarter Mittelweg 29 07806 Neustadt a. d. Orla
Nazione	Germania
Telefono	0049 36481 27 0
Fax	0049 36481 27 270
Internet	www.docteroptics.com
Dipendente	> 550
Anno di fondazione	1984

## REFERENTE

Contact 1.                      Sig. Enenkel  
Geschäftsführer

## PRODOTTI O MACCHINARI

Docter Optics developed several patented processes for the industrial large scale production of multifunctional free-form components made of our own special glass as well as a multi-layer process for polymer optics and offers nowadays even ready molded precision optics for latest HD-Pixel and µPixel systems for automotive head lighting. Additional Docter Optics is successful in design and manufacturing of complex optical and optoelectronic systems, therefore the company additionally address business fields like DIAGNOSTIC and ANALYTICS (e.g. fluorescence microscopes), SAFETY and SECURITY (e.g. fingerprint scanners) and INDUSTRIAL SENSORS (e.g. optics for machine vision applications).

Last but not least delivers Docter Optics semi-finished technical glasses (special/quarz/filter glass & glass ceramic) with the help of a modern, self-developed 5 Axis-CNC-Center.

## STORIA

Docter Optics looks back to more than 30 years of experience in the manufacture and development of customized optical components, optomechanical and optoelectronic systems and has excellent references in various industries such as automotive, illumination optics, digital projection, biometrics, printing, security/surveillance, machine vision and medical devices.

The modular structure of our five competence centers (Automotive, Optical Systems, Express Glass Services, Precision Components and Polymer Optics) offers – regardless from the material - an exceptional deep value chain. This includes all development services, i.e. optical design, verification, prototyping, testing, qualification, tool and mold construction as well as the corresponding documentation.

Our team of specialists understand the physics of the materials we work with, has know-how in the design of optical components up to complex systems and especially excellent experience in process engineering. The successful, economical and high-quality series production of optics is based on various process technologies that Docter Optics is able to offer and on the knowledge of how the design of the tool must be arranged in order to guarantee the required optical functionality.

An example is the introduction of our patented glass molding process that uses glass gobs for high precision moulded aspheres and free-form lenses with finished optical surfaces on both sides in fully automated operation. This represented a milestone not only in terms of economic large-scale production, but also in terms of lens design, stability and quality.

#### Company Profile of **Docter Optics SE**

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