



M. Throl Optische Systeme GmbH

Short description:

The company Manfred Throl Optische Systeme GmbH was founded in 1996. Its core business is the customized development and calculation of optical systems and components.

The range of services also comprises the fabrication, mounting and testing of prototypes and series components.

The company has been certified according to DIN EN ISO 9001 since 1997.

Core competences:

Design and calculation of imaging optical systems and lighting optics.

The programs ZEMAX from ZEMAX Development Corporation, SIGMA2100 from Kidger Ltd, WinLens Plus from Linos Photonics GmbH and our own software are available for optical calculations. Drawings are prepared by AutoCad LT.

The in-house MTF measuring system is used for testing lenses and assemblies.

Developments:

Examples of developments are:

- endoscope systems for medical and technical applications, dental systems
- telecentric measuring lenses and compact lenses for image processing
- rain detectors and motion detectors for sensor technology
- condensers and fibre collimators in light engineering
- UV optics in microscopy

Products:

- compact lenses für CCD cameras
- CCTV and video lenses
- optical components (lenses, achromats, prisms, mirrors, filters, windows)

MANFRED THROL
OPTISCHE SYSTEME



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