



## Company Profile

Established: 1981  
Employees: 170  
Certified since 2001: ISO9001:2015

### WHO WE ARE

Mikrop is a globally operating technology leader in the area of the miniaturisation of high-precision optics starting at  $\varnothing$  0.3mm and objectives starting at  $\varnothing$  0.6mm.

On behalf of our customers we develop, produce and assemble highly complex optical systems for multiple or single-use applications.

### CUSTOMERS / MARKETS

- Endoscopy
- Medical and Dental Applications
- Automotive
- Machine Vision
- Micro Sensors
- Micro Camera Systems

### CUSTOMER ADVANTAGE

- Reliable quality for demanding parts and assemblies
- „One-stop-shop“ from idea of product to the volume production and testing of parts
- Highest diligence for on-time delivery in top Swiss quality
- Competitive price-performance ratio due to international production sites

### CONTACT

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## PRODUCTS AND SERVICES

### OBJECTIVES AND IMAGING SYSTEMS

- Fully configured camera objectives with diameter from 0.6mm to 5mm
- Camera objectives for 1/4 , 1/6 , 1/10 , 1/18 inch imagers

### COMPONENTS AND ASSEMBLIES

- Optical lenses, spherical
- Achromats, apochromats
- Rod-lenses, radius-rods, plano-rods
- Optical assemblies (glass-glass cemented)
- Windows, plano elements
- Mounted optical assemblies
- plastic objectives

### SERVICE PORTFOLIO

- Optical Design (Zemax)
- Radius catalogue ( >700 radii in Zemax)
- Opto-mechanical design (Inventor 3D)
- Sub-assemblies: design & fabrication
- AR-, HR-, chromium- thin film coating
- functional testing (e.g. MTF)
- Prototyping with “fast lane” option

### PRODUCTION PARAMETERS

- Diameter from 0.3mm up to 15mm ( $\pm$  0.001mm)
- Center thickness from 0.1mm ( $\pm$  0.001mm)
- Convex radii from 0.2mm to infinite
- Concave radii from 0.5 mm to infinite
- Centering accuracy up to 0.001mm
- Surface accuracy 3/ 0.2 (N/10)
- Surface texture 5/ 1 x 0.01

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