

Tech Brief

Wafer-Level Camera (WLC), CMOS Image Sensor

We Provide Complete Solutions

SUSS MicroOptics, SUSS MicroTec and its partners offer complete solutions for

- **Wafer-Level Camera (WLC) Technology**
- **Wafer-Level Packaging (WLP) of Opto-Wafers**
- **CMOS Imager Fill-Factor Enhancement**
- **Thin Wafer Handling, 3D Integration**
- **Microlens Imprint Lithography (SMILE)**
- **Nano-Imprint Lithography (SCIL)**

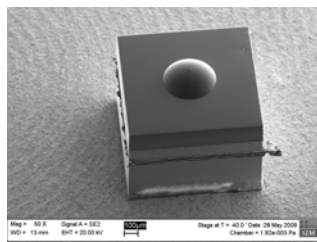
Our competence and capabilities comprise

- **Consulting, Optical Design, Engineering**
- **Lens Mastering, Stamp Manufacturing**
- **Lens Testing and Process Analysis**
- **Know-How and Process Transfer, Training**
- **Equipment for Research, Development and Production**

We give you a head start to the challenging imager and camera market and remain your partner for the development of next generation devices and yield improvement in production.

Partnership for Research, Ramp-Up and Production

SUSS MicroOptics is a pioneer in Wafer-Level Packaging (WLP) of Micro-Optics Imaging and Camera systems. We manufacture high-quality micro-optics in 8" wafer technology since 1999. Our key scientists have more than 20 years experience in micro-optics and optical system design and will help you to find the appropriate solution for your device.



*Wafer-Level Camera
(BMBF-VDI COMIKA)*

SUSS MicroOptics is part of the SUSS MicroTec group, one of the world's leading suppliers of process and testing solutions for markets as Advanced Packaging, MEMS, Compound Semiconductor, Silicon-On-Insulator and 3D Interconnect. The unique combination of profound design and process know-how, 8" wafer manufacturing and packaging capability; and the supply of all necessary equipment qualifies the

SUSS MicroTec group as your preferred partner for all CMOS Imager and WLC activities.



SUSS Mask Aligner MA/BA8 Gen3



*Microlens Master (left) and replicated
8" Lens Wafer (right)*



*Electrostatics Chuck for
Thin Wafer Handling*

Contact

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