



## **MEMS Optical, Inc. Integrated Design and Assembly Solutions**

A growing number of products and systems in a wide range of industries now require reliable MEMS and microoptical systems. MEMS Optical, Inc., not only has the capability to fabricate microoptical components but also offers complete and integrated solutions of bulk-optics, microoptics, mechanical packaging, and micro-electro-mechanical-systems (MEMS) devices. We are committed to provide high quality microoptical components and assemblies that are smaller, lighter, more efficient, and offer improved performance.

MEMS Optical offers a one-stop-shop for precision, integrated solutions, allowing for optimization across the delivery chain leading to lower costs and improved performance, and more specific services at all stages of the design, fabrication, and assembly process.

Our optical and mechanical design services provide guidance to our customers early on during concept development using an efficient co-design approach, leading to highly customized solutions and shorter development cycles. Our engineering team can help with the design, analysis and optimization of optical and MEMS systems, and is committed to working closely with our customers during the development stages.

Our in-house MEMS and microoptics fabrication capabilities combined with a qualified manufacturing team allows us to offer Precision Optical Assembly and Alignment services for Microoptical and Opto-Mechanical Systems. We can assemble and align optical solutions that incorporate refractive and diffractive microoptical components as well as traditional optics.

The combination of the customer's application expertise with our microoptical and MEMS design, fabrication, and assembly knowledge leads to more optimized and elegant solutions that fit the initial need more closely than ever before. MEMS Optical delivers design and assembly solutions for customers in telecommunications, biomedical, military, semiconductor, and industrial markets.

**About MEMS Optical, Inc. ([www.memsoptical.com](http://www.memsoptical.com))**

MEMS Optical, Inc., founded in 1997 and located in Huntsville, Alabama, USA, is a leading supplier and manufacturer of high performance refractive and diffractive microoptics and MEMS devices, providing solutions in diverse markets such as fiber optic communications, military and aerospace, industrial and semiconductor equipment, and biomedical devices. The company continues to develop and improve microoptics applications through the use of Grayscale technology and other proprietary processes. MEMS Optical is a wholly owned subsidiary of JENOPTIK Laser, Optik, Systeme GmbH (Jena, Germany). MEMS Optical is ISO 9001:2000 registered.

**About JENOPTIK Laser, Optik, Systeme GmbH. ([www.jenoptik-los.de](http://www.jenoptik-los.de))**

JENOPTIK Laser, Optik Systeme GmbH was founded in 1995 and is a wholly owned subsidiary of the JENOPTIK AG technology group of Jena, Germany (ISIN DE0006229107). The company develops, produces and distributes laser sources, optical components, modules and system solutions as well as the technologies used in the precise measurement, imaging, structuring and analysis of a variety of materials. The company's success is anchored in its use of the latest in technology and its custom-designed applications.