



- [Home](#)
- [About US](#)
- [Contact US](#)
- [RFQ](#)

[Show Menu](#)



- Services
 - [Micro & Miniature Optics](#)
 - [Miniature Mechanical Fabrication and Machining](#)
 - [Micro & Miniature-Optical System Assemblies](#)
 - [Medical Instrumentation Design & Assembly](#)
- [Recent Projects](#)
 - [Aerospace](#)
 - [GlobalMed](#)
 - [Industrial](#)
 - [Military](#)
 - [National Labs](#)
- [Custom Microscope Objectives](#)
- [Custom Components](#)
 - [Endoscopy Replacement Parts](#)
 - [Borescope Replacement Parts](#)
 - [Otoscope Replacement Parts](#)
 - [Laser Collimator Replacement Parts](#)
- [Recognitions & Awards](#)
- [Blog](#)

Micro & Miniature-Optical System Assemblies



At **Optics Technology, Inc.**, we are a major provider of micro and miniature-sized optical system assemblies serving the sophisticated needs of technically advanced industries. We provide integrated solutions for customized, critically dimensioned optics on the miniature or micro-scale level. We partner with you from the concept stage to develop designs that optimize the functionality, usability, fabrication, and assembly of your optical systems and promote your technical strengths in a very competitive industrial marketplace.

Our multi-disciplined engineering team includes industry thought-leaders responsible for ground-breaking advancements in micro-optical technologies. With our 30-year long history in the field of miniature optics, we have pioneered new and innovative processes for manufacturing high-quality optical assemblies for products such as micro imaging systems, high numerical aperture camera systems, and others.



We leverage our design engineering and micro manufacturing capabilities to advance your product through the prototyping process and on to low- to mid-volume production levels.

The design, development, fabrication, and assembly of micro and miniature optical systems is one of our core competencies. We have worked with leading universities, government agencies, and well-known research laboratories to promote scientific discovery and advance the field of optics and photonics. In addition to our strong presence in the medical industry, our precision micro-optical and mechanical systems and assemblies are also used in military systems, aerospace applications, and many others.

We have the resources to react quickly to your needs and can turn projects in as little as a week. We provide full, end-to-end services that include full optical and mechanical component fabrication, but also accept customer supplied components for integration into your custom optical assembly.

[Contact us](#) today to learn more about our capabilities or to discuss your next project.

[Request for Quote](#)

Micro & Miniature-Optical System Assemblies Specifications

Capabilities

- Opto-Mechanical
- Miniature Fiber-Optic
- Miniature Medical

- Miniature Mechanical Devices
- Miniature Prototype
- Fiber Splicing

Materials

- Titanium
- Stainless Steels
- Plastics

Process

- Customer Supplied Component Assembly
- In House Component Manufacturing and Assembly

Wall Spacer Thickness

- 100 microns

Features

- Optical Metrology and System Testing

Turnaround

- 1 Week

Additional Information

Industry Focus

Aerospace
Industrial
Medical
Military

National Laboratories
Photographic
Sensory Technologies
Universities

Intended Applications

Biomedical Research
Endoscopes
Microimaging Systems

Microscope Objectives
Pediatric Oscopes
Very High Numerical Aperture Camera Systems (High NA Camera Systems)

File Formats

Zemax
Code 5

SolidWorks
MasterCam

[Click Here to Request a Quote](#)

Optics Technology, Inc.

3800 Monroe Avenue, Ste 3, Pittsford, NY 14534

P: [585.586.0950](tel:585.586.0950) F: 585.248.2371

Email: sales@opticstechnology.com [Privacy](#) | [Sitemap](#)

Copyright © 2020 [Optics Technology, Inc.](#) All Rights Reserved. Site Created by [Thomas Web Solutions](#)

[^](#)