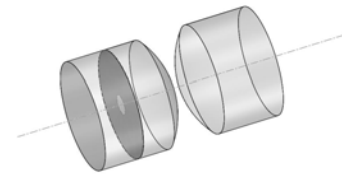


MICRO LENSES

With 30 years experience in the optics industry, we have developed capabilities to produce lenses as small as 0.37mm for use in micro optical systems including endoscope objectives with field of view as large as 120°. Our specially trained optics designers and technicians developed new processes and techniques for production of micro lenses. Products and systems requiring optical surfaces < 2mm in diameter often result in a tradeoff involving quality, price, or supply. At Precision Optics we can produce lenses to sizes as small as 0.37mm in diameter by using our proprietary microprecision™ technology with the quality of precision ground and polished lenses approaching the cost of gradient index (GRIN) lenses. New techniques in spinal surgery, neuro surgery, thoracic surgery, cardiac surgery/ cardiology, pulmonology, and other specialties demand precise visualization in very small spaces. Precision Optics Corporation can design, develop, and manufacture micro lenses to meet the rapidly increasing demands of minimally invasive/micro surgery or any situation where high quality micro lenses are needed.



Typical Micro Objective Lens

We provide complete objectives for both flexible and rigid endoscopes, including the smallest diameter endoscopes. In addition, we welcome the challenge to quote your most complex and demanding lens design. Please send your specifications to info@poci.com.

We carry select sizes of micro objectives as catalog items for convenient ordering.

POC Part Number	Lens Diameter	Image Diameter	Lens Length	Field of View	Depth of Focus
5262-750	0.37 mm	0.33 mm	1 mm	70°	3 mm-50 mm
5301-750	0.37 mm	0.33 mm	0.8 mm	90°	3 mm-50 mm
5262-751	0.57 mm	0.45 mm	1.4 mm	70°	3 mm-50 mm
5310-750	0.7 mm	0.58 mm	1.4 mm	100°	3 mm-50 mm
5262-752	0.83 mm	0.73 mm	1.6 mm	70°	3 mm-50 mm
5337-750	1.25 mm	0.80 mm	2.3 mm	95°	2 mm-50 mm