

General Optics Co., Ltd.

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major business	Manufacture of Optical components and module/Optical design/Precision processing and coating/Precision assembly and alignment		

General Optics Co., Ltd. established in 2015, is a specialized optical manufacturer operated by about 40 years experienced manager, skilled workers, and competent and energetic young employees. As a company specializing in small quantity batch production, we provide one-stop services from optical design to precision processing, coating, assembly, and alignment, and we have a variety of equipment necessary for this. Based on this, we are currently supplying high-performance optical products to the fields of defense industry, semiconductor, display, automobile, and bio. Also, we are actively communicating with many customers, challenging new areas, and constantly striving for localization of core modules with continuing technological development.

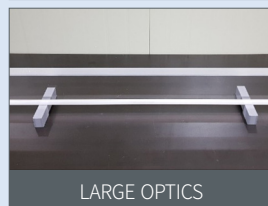
Products



Description Laser optics are widely used in various industries such as semiconductors, displays, automobiles, BIO, and batteries, and products include lenses and mirrors, F-theta lenses, Beam expanders, and collimators. General Optics' laser optics have a high LIDT(laser induced damage threshold), so it can be applied to high-power lasers and have excellent repeatability



Description Infrared optical system use materials such as ZnSe(zinc selenide), ZnS(zinc sulfide), Ge(germanium), and Fused silica in consideration of transmittance and refractive index according to wavelength characteristics. General Optics' IR optics can be precisely processed and coated with the above materials, and provide durable products what passed military standard(MIL-C-48497,MIL-C-675) abrasion/adhesion, temperature/humidity, salt spray test, etc

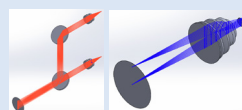


Description General Optics Co., Ltd. supplies large optical components. Currently, the major selling large optics is an annealing window for ELA(excimer laser annealing) in the display industry, with a length of 0.8 m to 1.8 m. The irregularity is possible that the quality of $\lambda/10$ per inch based on 632.8 nm, and the coating uniformity is very high



Description The homogenizer is an optical system that transforms the shape of a laser beam with Gaussian properties into a uniform(approx. 85 to 98 %) irradiance. It is used in various industries, among which the demand for reflow equipment is the highest. Recently, we have completed the development of not only a fixed type but also a motor-equipped Variable zoom homogenizer

Technical Capacity



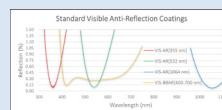
» Optical design



» Precision optics shaping



» Optical coating



» Accurate assembly and alignment