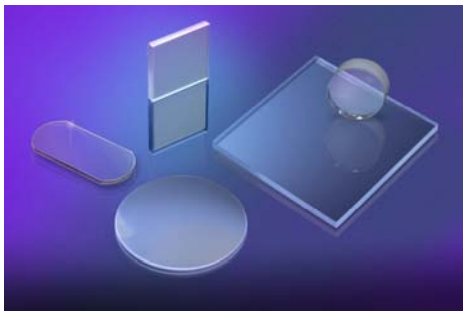
PG&O
Precision Glass & Optics

Turnkey Optical Solutions

Precision Glass & Optics provides complete optical solutions that operate in ranges from the mid-ultraviolet (mid-UV) into the visible and out to the infrared wavelength regions. Reliable and cost-effective optics include precision glass substrates, optical thin film coatings, and complete fabrication and assembly services for use in mission-critical military and defense, aerospace, biomedical, astronomy, imaging, laser, digital cinema, solar applications, and more. From simple optics and plano optical components to complex shapes, precision and multilayer thin films, intricate assemblies, and custom optical design solutions, PG&O is your key supplier.

NEW from PG&O!

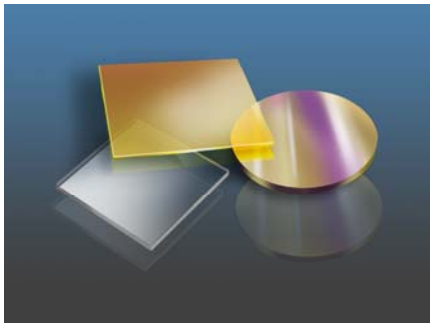


Sapphire Optics

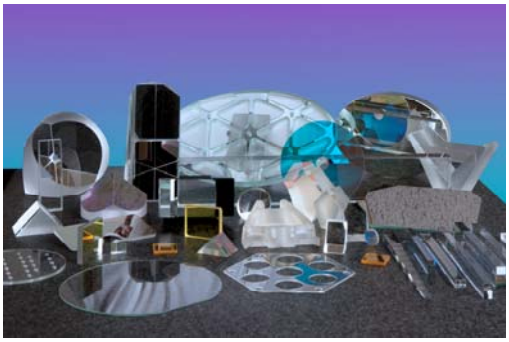
The company recently introduced exceptionally durable, thermal- and scratch-resistant **sapphire optics** which are specially designed for broad-spectrum tasks. Available in a variety of windows and complex geometries, the new sapphire optics operate from the visible out to infrared (IR) wavelengths. These cost-effective optics can withstand extreme environmental conditions and temperature variations and are ideal for use in lasers, LEDs, imaging, and fiber optics.

3600 W. Moore Ave. / Santa Ana, CA 92704 / 714-540-0126 / info@pgo.com / www.pgo.com

Finished Infrared Optics



PG&O also provides precision, **finished infrared (IR) optics** on a variety of substrates that operate from 0.75 µm, the near-infrared (NIR), out to 15 µm, the long-wave-infrared (LWIR) spectrum. The handpicked infrared materials produce high-performance results. These include calcium fluoride (CaF_2), magnesium fluoride (MgF_2), silicon (Si), germanium (Ge), zinc selenide (ZnSe), and zinc sulfide (ZnS). Ask how PG&O's durable IR optics can work for your applications in night vision, thermal imaging, homeland security, surveillance, and other defense, biomedical, or industrial tasks.



Fabrication Services

PG&O has an extensive inventory of glass products and a full optical fabrication shop to deliver advanced optical thin film coatings as well as large mirror blanks. One recent innovation includes a beamsplitter cube with a 200:1 extinction ratio for high-power-laser applications.

Fabrication services include CNC machining, polishing, slicing, sawing, scribing, grinding, edging, assembly, and more. With three large coating chambers, and an expert, in-house engineering staff, our turnkey optical solutions, thin films, and reliable optics are made for diverse and essential applications.

Target Markets Include:

- Biomedical
- Military/Defense
- Astronomy
- Night Vision
- Imaging
- Industrial Instrumentation
- Display
- Surveillance
- Automotive
- Thermal Imaging
- Spectroscopy
- Lasers
- Fire Control
- SWIR Imaging
- Avionics
- LADAR
- Cinema

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