

Optical Engineering Service



Optical engineering is the application of optical theory to practice, requiring the use of light to achieve specific purposes, involving microscopes, telescopes, ultraviolet optical instruments, infrared equipment, laser optical equipment, sensors, and fiber optic communications. We need to understand the nature of light, understand the technology, materials, costs and design schemes, cooperate with optical instruments and system equipment, and apply it to a wide range of fields. Alfa Chemistry provides professional optical engineering services and has rich experience in optomechanical engineering, optical product development and optical design. We cooperate with customers around the world to provide them with optical system application and design, testing, prototyping and inspection. The optical engineering services we provide can promote innovation in a wide range of industries, including consumer products, biopharmaceuticals, healthcare, materials science, semiconductor industries, and other industries. We insist on taking the needs of customers as the center, relying on advanced optical technology and technology, insist on continuous innovation, and strive to change the precision and quality of optical devices.

Our Services

Alfa Chemistry has top optics experts and advanced equipment. From the initial design, to cost analysis, to rapid prototyping and product development, we can provide professional support and assistance. We can provide professional optical engineering services, including but not limited to:

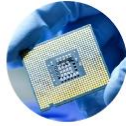
- [Optical engineering services](#)

- Optical design and analysis
- Optical manufacturing
- Optical coating design, analysis and manufacturing
- Optical system equipment design
- High precision optics and assembly
- Optical machine design and assembly

Whether it is designing optical components and equipment, or planning to mass-produce consumer products, our optical engineering services are partners for customers' product development and design. In the future, we will continue to improve and innovate to provide customers with satisfactory optical services.

Optical engineering services are widely used in various fields

- **Semiconductor equipment:** chip optics and optical systems
- **Optical metrology and machine vision:** image processing objectives, sensors and digital microscope cameras
- **Defense and security:** optical and optoelectronic systems and modules for security protection
- **Health care/life science:** optics and optical systems for prevention, diagnosis and treatment
- **Laser material processing:** optics and optical systems for processing materials
- **Digital imaging:** calculating, measuring and inspecting objects, image projection and making seemingly invisible things visible
- **Lighting and energy:** LED optical components and modules
- **Automotive industry and mobility:** optical components for complex images, laser-based driver assistance systems and sensors, and mobile interior and exterior lighting



Semiconductor equipment

chip optics and optical systems



Optical metrology and machine vision

image processing objectives, sensors and digital microscope cameras



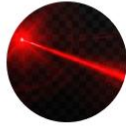
Defense and security

optical and optoelectronic systems and modules for security protection



Health care/life science

optics and optical systems for prevention, diagnosis and treatment



Laser material processing

optics and optical systems for processing materials



Digital imaging

calculating, measuring and inspecting objects, image projection



Lighting and energy

LED optical components and modules



Automotive industry and mobility

optical components for complex images, laser-based driver assistance systems

Advanced service, satisfy customer needs

We have a professional optical technology team with extensive professional knowledge and diverse skills, and can provide various types of optical services. We support the design and development of optical components, as well as the integration of optical components into existing optical systems. We provide customers with standard and customized metering services to meet customer needs in a fast and efficient manner.

Alfa Chemistry provides professional optical engineering services aimed at improving quality and providing high-quality components. If you want to know more about services, please [contact us](#) immediately.

[Our products and services are for research use only and cannot be used for any clinical purpose.](#)