





Discover the capabilities, knowledge, equipment and technology of Qioptiq...







The key to photonic innovation

Qioptiq designs and manufactures photonic products and solutions that serve a wide variety of markets and applications.

Through a series of acquisitions, Qioptiq benefits from a rich and impressive history and pedigree. We are proud to integrate the knowledge and experience of LINOS, Point Source, Spindler & Hoyer, Gsänger, Optem, Avimo, Pilkington and others.

After several years of working as an international network of companies, our teams across North America, Europe and Asia are now collaborating even more closely together under one name and one logo. Far beyond just a new brand identity, this new Qioptiq will allow our customers to more easily benefit from an even larger set of capabilities, knowledge, equipment and technology.

When companies need the highest-quality off-the-shelf components, products and instruments, they come to Qioptiq. When they need custom modules and assemblies to be integrated into their systems, they come to Qioptiq. When they need unparalleled excellence, leading-edge innovation, precision optical manufacturing and responsive global resourcing, they come to Qioptiq.

We are pleased to put our expertise and our extensive manufacturing capabilities to work exceeding the expectations of our customers around the globe.

Qioptiq is the key to photonic innovation.

Qioptiq has unequaled expertise in the design and manufacture of optical components, modules and solutions.

Qioptiq doesn't just have some solutions for every market sector; we have almost every solution any customer could demand. Our strength is our broad offer.

A broad offer – we have both the expertise and the capability to manufacture optical components, using our virtually unlimited portfolio of standard tools or according to your specific needs. We offer all component types, made from a vast range of materials. Our 70 state-of-the-art coating chambers offer all modern coatings. **Built to print** – Qioptiq offers very broad capabilities to design, manufacture and assemble "built to print" products perfectly suited to your specific needs.

Lasers – Qioptiq offers a full set of services and products for lasers, laser material processing, laser-based machinery and laser-enhanced metrology and process checking systems.

Micro-optics – Qioptiq offers a unique capability for micro optical components and systems. Our products are widely used in endoscopes and ophthalmic systems; and in industrial inspection and other tasks where their small size and their renowned high-quality optical imaging is so important.

Polymer optics – Qioptiq's offer includes polymer optics for any application. From prototyping to mass manufacturing, we offer custom design support to produce close tolerance components using the full range of available polymers and coatings. Our expertise in the industrial manufacturing sector makes us the perfect partner and supplier for you.

Qioptiq in Industrial Manufacturing

Companies around the world count on Qioptiq to plan, design, develop and produce the most demanding optical systems exactly to their specifications.

Machine Vision – We are known for our premium standardized products and customized solutions for machine vision.

Lasers – Our offer includes electro- and magneto-optics, laser optics, laser material processing, fiber optics, diode lasers and a whole range of lasers for metrology and illumination. **Semiconductors** – For lithographic production, wafer inspection, chip bonding and packaging, our teams of experts can deliver the wavelength, resolution performance, precision and size you need.

Photography and Cinematography -

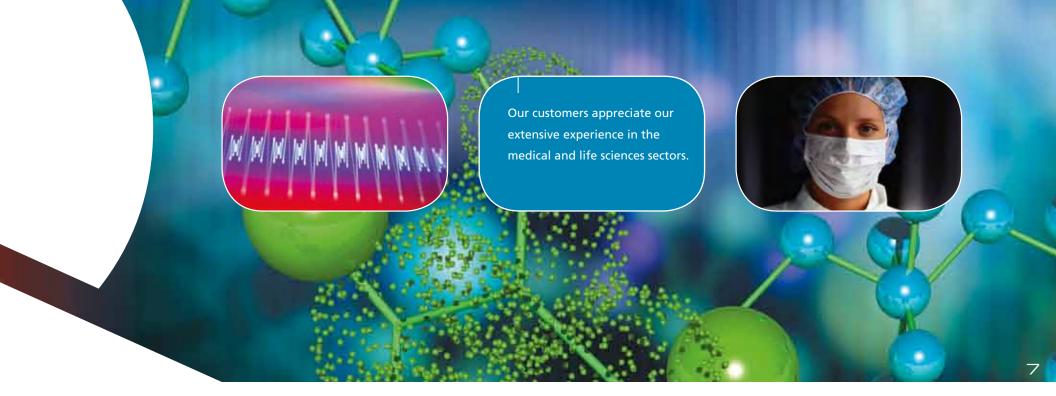
Qioptiq is proud to have Rodenstock Photo Optics camera lenses and precision-optical lens elements and components as part of its global offer.

Projection and Prepress – We design rugged optics and complex assemblies for

high-end projection systems, and provide standard and customer-specific optical solutions for high-quality printing plate production, web inspection and quality assurance.

Head-Up Displays – Building upon our experience in head-up displays for aircraft, we have developed head-up driver assistance systems for passenger cars.

Qioptiq also has services and products for nearly every other industrial application using optics or lasers.



Qioptiq in Medical & Life Sciences

Qioptiq is your optics expert for a large variety of medical and life sciences disciplines: Dental imaging, x-ray systems, ophthalmic diagnostic instruments, and solutions for laser surgery, microscopy, endoscopy, DNA sequencing, flow cytometry and more. Our worldwide customer base includes both large international firms and small specialist companies.

Unparalleled experience – Our experts will provide you with outstanding solutions for almost all tasks in photonics including

illumination, imaging, laser beam delivery, display, detection, scanning and many more.

Customized optics solutions – We can develop tailored solutions for your diagnostic or surgical instruments involving optics. From simple components, consumables, and small assemblies through micro-optics parts for point-of-care solutions, sophisticated objective lenses and complete camera modules to complex diagnostic devices or laser surgical systems, Qioptiq helps you to create your customized optical system. Life sciences – Qioptiq enables new solution paths in the diagnosis of hereditary diseases, virus detection and the development of pharmacological substances.

Molecular biology research – Among many other satisfied clients, we're particularly proud of our contribution to the development of a series of very successful measuring systems for fluorescence detection, an important contribution to basic molecular biology research.



Qioptiq in Research & Development

High quality, off-the-shelf products

Qioptiq's world-renowned LINOS catalog and online Q-Shop store have a wide selection of very high quality lab equipment and accessories for customers operating in scientific research and industry laboratories. More than 4,000 items are available for immediate purchase.

Premium optics – Our precision optics present a noticeably superior performance. Our offer includes LINOS achromates, singlets, lens systems, F-Theta lenses, laser diode modules, mirrors, polarization optics, zoom and microscope optics, thin film coatings, LINOS Faraday isolators, laser modulators and Pockels cells and more.

Premium mechanics – Qioptiq has a wide variety of precision opto-mechanics including LINOS Microbench[™], nanobench, tube mounting system, positioning systems, mirror mounts, profile and rail systems, optical tables, spectrometers and more. **Premium instruments** – We have light sources and instruments for the most demanding applications.

Do you have a specific application or require a customized assembly? Qioptiq is the perfect partner to develop a tailored solution to your unique requirements. Our teams can help you from conception of your instruments through product development to serial production. We have a complete offer of components, modules, technology and equipment for defense and aerospace applications.



Qioptiq in Defense & Aerospace

A first-tier supplier – Leading the world in expertise and facilities, Qioptiq is a recognized, first-tier supplier to many of the defense and aerospace sector's leading companies.

Complex optical components – Qioptiq components meet the requirements of aerospace and defense applications, across the full spectrum of infrared, visible and ultraviolet light. We are known for our air, land and vehicle-based systems. Qioptiq is also a specialist in radiation stable micro-sheet glass for the space industry including solar cell cover glasses and optical solar reflectors.

A complete offer in modules – We are your partner in the design and manufacture of modules for airborne, land, naval and missile applications. You can be certain that our complete line of optical sub-assemblies, including objectives, cells and magnifiers, will meet your most stringent requirements.

Technical expertise – Our world-class team can design, develop, manufacture and coat

state-of-the-art optical assemblies and optronic modules to meet all of your cost, quality and performance targets.

High quality equipment – Both our military-standard night vision weapon sights and our surveillance equipment benefit from our expertise in visible image intensifying and uncooled thermal imaging technology. We are proud to work with defense departments and homeland security and counterterrorism divisions around the globe.





Qioptiq has the best-in-class people and the state-of-the-art equipment to get the job done right.

The people and places of Qioptiq

Qioptiq has project managers, R&D teams, sales advisors, and manufacturing and assembly capabilities in the United States, western Europe, eastern Europe and Asia. That means we can always find the right way, the right speed and the right price to respond to your needs.

The experience needed – Qioptiq brings more than a century of experience in optics and photonics to every customer. With our extensive relationships with universities and research facilities in many countries, our perfect understanding of manufacturing and our worldwide customer base in multiple market sectors, our best-in-class teams have no equals.

The right equipment – Our renowned high quality is achieved in part thanks to our state-of-the-art manufacturing and assembly sites, equipped with the most modern machinery and the latest capabilities. Three sites are of very recent vintage: operations began at our new Munich site in fall 2009, at our new Singapore site in summer 2008 and in Regen, Germany in 2006. Two of our sites have extensive clean room technology. And of course, all of our manufacturing capabilities benefit from ISO certifications.

One or millions – Our expertise spans from fast and cost-effective prototyping to consistent and reliable mass manufacturing – if necessary up to millions of components over short periods of time.

Custom design support – With over 200 highly skilled technical experts on three continents, Qioptiq can provide you with fully customized system and design support.

Engage our **expertise**. Put our **capabilities** to the test. Allow us to **exceed** your expectations.



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