



UQG Optics At A Glance Guide

Custom | Stock | Services
CAMBRIDGE, UK

www.uqgoptics.com



► Company Overview



UQG Optics is a trusted supplier of precision optical components to industries and research institutions worldwide with 70 years of expertise.

We supply high grade stock and custom optics to universities, laboratories and wide range of industries including defence and aerospace, electronics, automotive, medical, oil and gas, medical, engineering, manufacturing and scientific research.

Our Team

We are here to help with your enquiries at all times!

Our expert team offers a personal service, so please contact us for advice or about any problems and talk direct to our sales or production team. We will be pleased to provide you with a competitive quotation and assist with all your enquiries.



KELVIN BIGGS



RAY HARRIS



Carolyn Dockerty



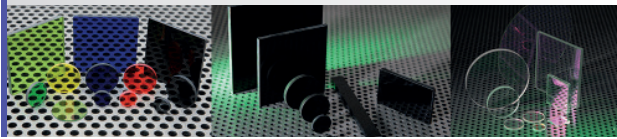
Hayley Cattini

Stock and Custom Optics

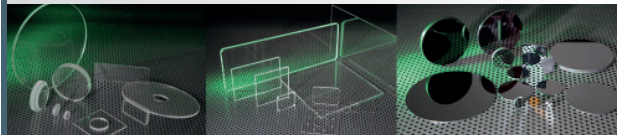
UQG Optics maintains an extensive stock of ready-to-ship, high precision optics including:

**BUY FROM
STOCK ONLINE
OR SEND US
A CUSTOM
ENQUIRY**

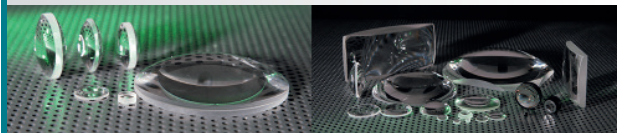
► Optical filters



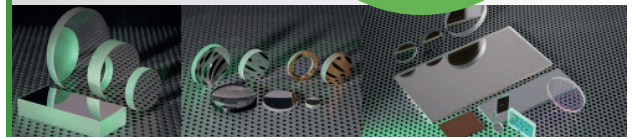
► Optical windows



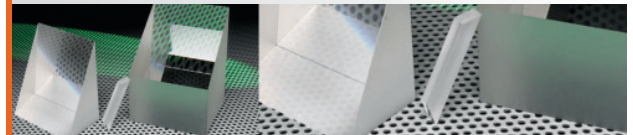
► Optical lenses



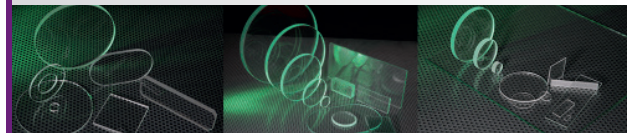
► Optical mirrors



► Optical prisms



► Technical and laboratory glasses



All optical products can be supplied to custom requirements in specific sizes, coatings or materials.

Optical Materials Offered

A broad selection of materials is available for various optical applications such as durability, clarity and ability to perform under different conditions, including:

- **Germanium:** Extremely hard and ultra-sensitive to heat when it becomes opaque.
- **Fused Quartz:** Thermal high temperature stability and excellent transmission across UV to near-IR wavelengths.
- **Sapphire:** Extremely hard, resistant to scratching, excellent transmission in UV, visible and near IR spectrum.
- **Borosilicate Glass:** Resistant to thermal shock, excellent durability and chemical resistance.
- **BK7 Glass:** High-quality optical glass known for excellent transmission in the visible spectrum.
- **Schott Optical Glass:** Range of optical glasses offering high transmission, ideal for precision optics.
- **UV and IR Materials:** Ideal for applications requiring sensitivity to these wavelengths.
- **Technical Glasses:** Available in borosilicate, float glasses, low iron glass, ceramic glasses and toughened glass, can be polished, etched, ground, AR coated and laminated.

Services and Processes



- **Dicing Services:** Using vision alignment systems and high-resolution closed loop linear positioning encoders. Express Service available.
- **Coating Services:** Anti-reflective, high-reflective and other custom coatings as required.
- **Polishing Services:** Precision polishing services to achieve exact surface finish requirements.
- **Edge Grinding and Shaping:** Ensuring precise dimensions and fit for complex optical systems.
- **Cleaning and Inspection:** Pre-shipment cleaning and inspection process for exacting quality (provided as standard on all products).

Popular Products

- **Optical Windows:** Available in various materials, including sapphire, germanium, fused quartz and borosilicate.
- **Right-Angle Prisms:** Essential for redirecting light in a system or performing beam splitting with precision.
- **Lenses:** Optical lenses offered include plano-convex and biconvex, ideal for focusing or diverging light in optical setups.
- **Optical Filters:** Longpass filters, neutral density filters and customised solutions from UV to IR in optical glass from Schott and Hoya.
- **Thin Glass Windows and Plates:** Used in precision instruments and applications where thickness is critical.

Why Choose UQG Optics?



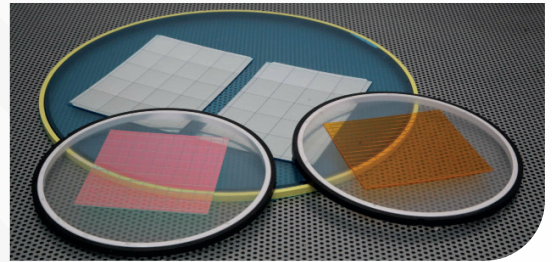
UQG is a preferred supplier for OEM companies, universities, laboratories and industries worldwide, with a deserved reputation for innovation and excellence.

Choose UQG Optics for custom-designed components and high-grade stock optics or plus the personal service, expertise, materials and finishing services you need in your precision optical products.

We offer in-house production equipment and can supply across the world via a supply chain network of certified suppliers.

UQG Optics is committed to delivering:

- Quality
- Precision
- Reliability
- Consistency
- Customer satisfaction.



Contact Us

We are ready to provide a quote, to answer any questions about your custom optics requirements and to assist you with any other aspect of your needs such as material selection.

Speak to us today or order online!

www.uqgoptics.com

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Please visit our website
www.uqgoptics.com for:

- Custom made range
- Stock Catalogue
- Product Range
- Material Data
- Services

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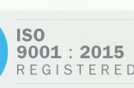
Scan the QR Code to find out more information.

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OSA

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