



Discover how we can improve your
instrumentation and supply chain
experience today!

KO | BRINGING QUALITY INTO FOCUS

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Knight Optical's Mirrors for Laser Applications

Due to high intensity light from the laser, mirrors used with a laser application require a high damage threshold, and high reflectivity. Knight Optical can help!

Laser mirrors are used to reflect or redirect the laser. This manipulation of the beam means it is great for laser applications where there is limited space, as the beam can be steered multiple times.

We manufacture mirrors used in the UV/VIS/NIR and infrared. We provide a number of mirrors from [stock](#) with coatings at infrared wavelengths such as:

- ✓ [Dielectric \(98% NIR\)](#)
- ✓ [Protected Silver \(96% VIS/NIR\)](#)
- ✓ [Protected Gold \(97%@750-FAR IR\)](#)

These are available to purchase from [stock](#) in a wide ranges of sizes from 6.3 mm in diameter to a 300mm x 300mm square and various different thicknesses. They are also available with varying flatness specifications with [λ/10](#) also available for immediate shipment and for you to achieve the highest performance. Contact our experienced technical sales team to find the most suitable mirror for your laser application. However, we are also able to provide [custom high power grade laser mirrors](#) such as:

- ✓ Argon-ion laser mirror
- ✓ Excimer Laser Mirrors
- ✓ Diode and Broadband (Ti:sapphire) laser mirrors
- ✓ YAG Mirrors

Our capabilities are endless with coating available from deep in the UV at 200nm up to IR wavelengths of 40μm, with specific angle of incidence and bespoke shapes and sizes. We are also able to provide a wide range of materials for the substrate of the mirror including Zinc Selenide and UV Fused Silica depending on what is best for your application.

All our mirrors are fully inspected on their quality in our ISO 9001:2015 certified, state-of-the-art Metrology laboratory, using our Varian Cary 5000 with UMA attachment for measuring coating reflectivity and our Starrett AV300 Video Imaging Device for dimensions. This allows us to work to the highest [QA standards](#) and meet the tolerance specifications on these precision components.

[Contact our technical sales team](#) to discover how Knight Optical's high quality mirrors bring quality into focus.

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- View our [QA and metrology information](#)
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