



Laser Optics have been specially designed and fabricated to withstand intense energy and heat created by high-power lasers without damage. They are critical to ensure the performance, efficiency, and lifetime of a laser system.

Utilising our partnership with Torrent Photonics, Knight Optical can offer Laser Optics manufactured in dedicated facilities where the performance of our laser damage threshold is regularly certified.

BENEFITS

- Prevent system failure and equipment downtime
- Enhance performance
- Ensure system safety
- Cost efficiency due to a longer lifespan
- Environmental resistance – ability to withstand extreme environments e.g. heat, radiation, or vacuum

SPECIALISED PROCESSES

- Class 1000/100 clean rooms, assembly cells, and sub-cells
- Automated ultrasonic clean line with a HEPA filtered drying booth
- Proprietary aqueous cleaning process
- IAD e-beam and IBS coating chambers for high LDT coatings

OPTICS

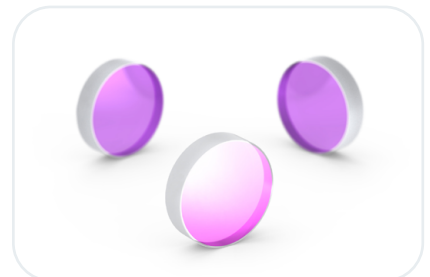
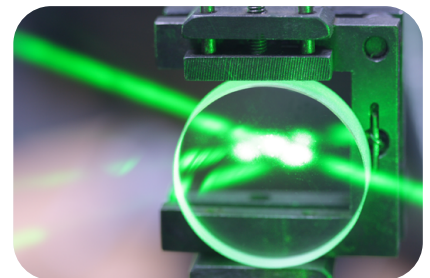
- Lenses
- Laserline reflectors
- Harmonic separators
- Beamsplitters and many more

INDUSTRIES

- Industrial
- Defence
- Aerospace
- Scientific

APPLICATIONS

- Industrial laser systems
- Military systems
- Space-borne lasers
- Medical lasers
- Scientific research



Contact our technical sales team to learn more about how our laser optics can meet your custom specifications.