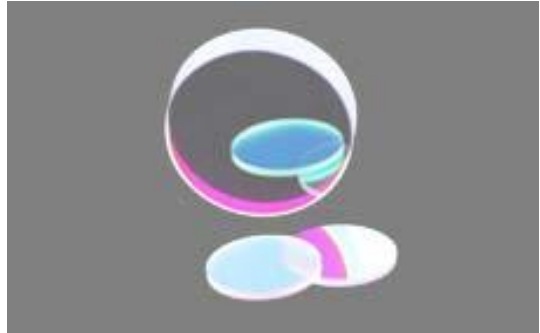


Mirrors

Front surface mirrors are coated with aluminum or dielectrics for maximum reflection. Unifibre provides both kinds of front surface mirrors: Metal coated mirror and Dielectric coated mirror.



Substrate:

1. Commercial quality flat window or precision window. Please refer to the optical window page. Unpolished back surface is also available.
2. Plano concave substrate. After HR coated on the concave face, it's a concave mirror.

Metal Coated Mirror

Standard items are supplied front surface-coated with metal (Aluminium, Silver or Gold) overcoated with silicon monoxide (SiO₂) or magnesium fluoride (MgF₂).

Dielectric Coated High Reflection Mirror (Laser mirror)

After dielectric HR coating, the mirror has the very high reflection for specified single wavelength or broadband wavelength. For laser application, the mirror surface has been coated with very high reflection (general >99.8%) at the laser wavelength.

Dichroic Mirror / Beamsplitter

With special designed multi layer dielectric coating, the mirror reflects some wavelength and transmits other wavelength at the same time.

It can be used to split or combine different wavelengths.

It can be also used in SHG laser system as Harmonic Separators.

Concave Mirror

After metal or dielectric high reflection coating on the concave substrates, it's a concave mirror.

Concave mirror can focus the light beam or imaging as a lens. The focal length of concave mirror is half of the curvature radius.