

Polarizer

Polarizer is widely used in polarizing application. Unifibre provide following polarizers with -BBO, Calcite or YVO4 material to suit for wide spectrum and high polarization purity application.

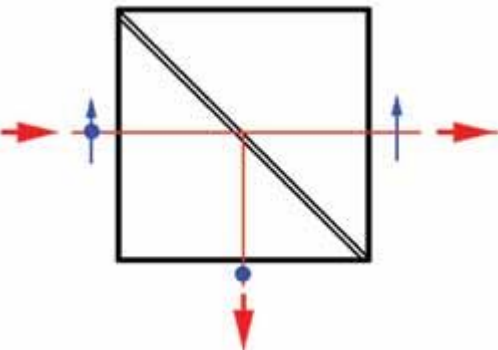
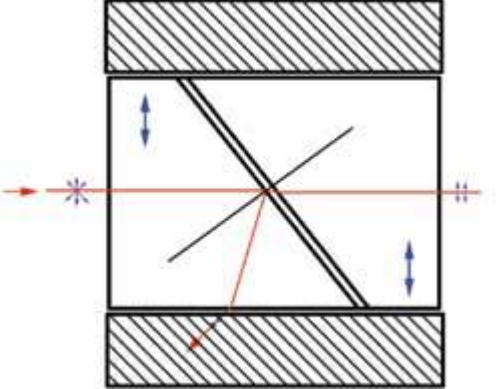
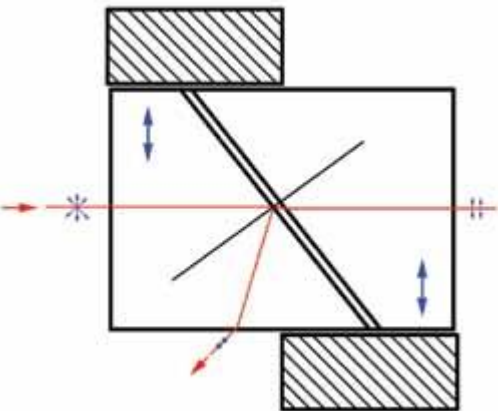
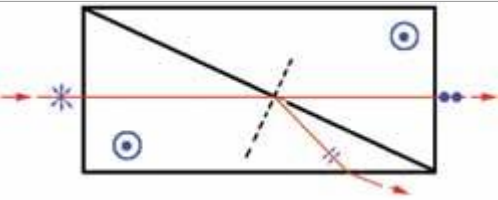
Material Transmission range:

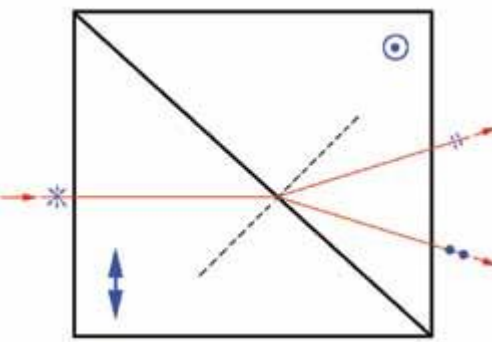
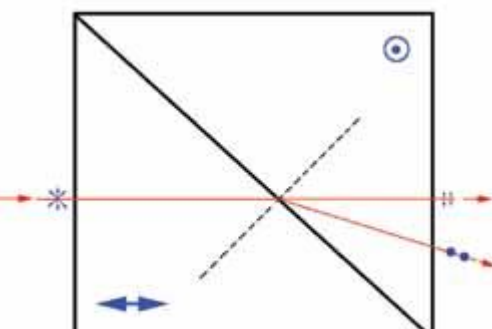
a-BBO: 190-3500nm

Calcite: 350-2300nm

YVO4: 450-5000nm



Polarizer	Illustration	Properties and Application
Polarization Beamsplitter		Material: BK7 glass Special polarizing coating for Single wavelength. Broadband wavelength.
Glan-Taylor Polarizer		Air-spaced Cutting angle close to Brewster's Angle. The extraordinary ray passes through with little deviation. Sealed mount without escape windows is suitable for low to medium power application where the rejected beam is not required.
Glan-Laser Polarizer		Cutting angle close to Brewster's angle Mounted with escape windows. Therefore, it is suitable for high power applications.
Glan-Thompson Polarizer		Cemented. Suitable for low power applications. Special design for the ratio of L/A (length/aperture) guarantees the wide acceptance angle.

Wollastom Polarizer		Cemented. Both ordinary and extraordinary beams are deviated. Suitable for low power application and where the large deviations are required.
Rochon Polarizer		Split the ordinary and extraordinary ray, but only extraordinary beam is deviated. Wide wavelength range