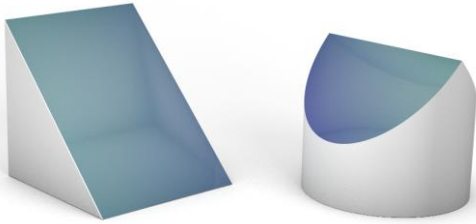


Optical Prisms



- Material from DUV to IR
- Custom dimensions and shapes
- A wide range of optical prism types
- Diameter from 0.5 to 100 mm
- Clear aperture: Central 90% of diameter
- Flatness: $\lambda/10@632.8\text{nm}$
- Surface quality: 10-5 S/D
- Angular tolerance : $<15''$
- Standard and custom coating options available
- High laser damage threshold

CASTECH offers a wide range of prism types in a variety of designs, substrates materials, or coatings such as Penta Prisms, Right Angle Prisms, Dove Prisms, Roof Prisms, Porro Prisms, Retro-Reflectors, Anamorphic Prism Pairs, Pellin Broca Prisms, Equilateral Dispersive Prisms and so on.

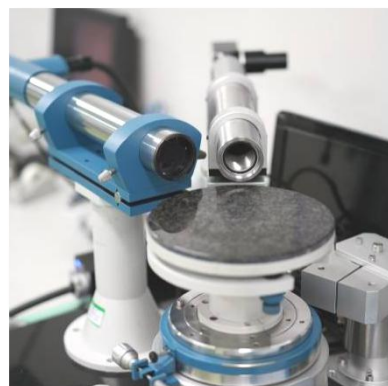
We employ different processing methods such as conventional polishing, continuous polishing, or ion beam figure (IBF) as well as top metrology equipment, tailored to deliver high precision optical prisms for the most demanding requirements in high power laser, scientific and industrial applications.

Metrology

CASTECH equips with not only ZYGO interferometer and 4D interferometer to guarantee high surface flatness, but also Trioptics PrismMaster and microscope to promise high precision angle tolerance and surface quality to meet your needs.



ZYGO Interferometer for high accuracy measurement of wave front & flatness & parallelism
With $\lambda/50$ accuracy
Parallelism measure accuracy: $0.5''$



Trioptics PrismMaster for high-precision optical angle measurement with angular accuracy: $0.75''$