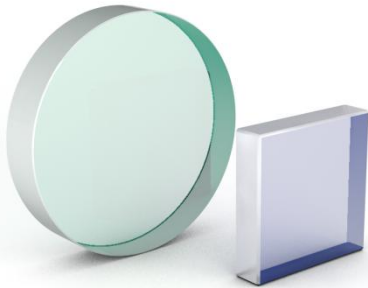


# Optical Windows



- Material from DUV to FIR
- Custom dimensions and shapes
- Diameter from 0.5 to 600 mm
- Clear aperture: Central 90% of diameter
- Flatness:  $\lambda/20@632.8\text{nm}$  ( $\lambda/40$  by IBF)
- Surface quality: 10-5 S/D
- Parallelism:  $<3''$
- Standard and custom AR coating options available
- High laser damage threshold

CASTECH offers windows either in substrates made from multitude of Optical glass, Fused Silica, Calcium Fluoride(CaF<sub>2</sub>), Barium Fluoride(BaF<sub>2</sub>), Germanium (Ge), Silicon (Si), Zinc Selenide (ZnSe) or coated parts with multiple anti-reflection coating options covering wavelength range of Ultraviolet (UV), visible, or Infrared (IR).

Millions of stock and custom precision windows are manufactured by different processing methods such as double-sided polishing, conventional polishing and ion beam figure (IBF) to guaranty high surface figure, low scatter, and high laser damage threshold to satisfy even the most demanding requirements.

## Metrology

CASTECH equipped with state-of-the-art optical metrology, including ZYGO interferometer, 4D interferometer, Taylor Hobson LuphoScan 260, Microscope and so on to ensure consistent high-quality performance of optical windows for challenging applications of laser, thermal imaging, medical and spectroscopy.



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



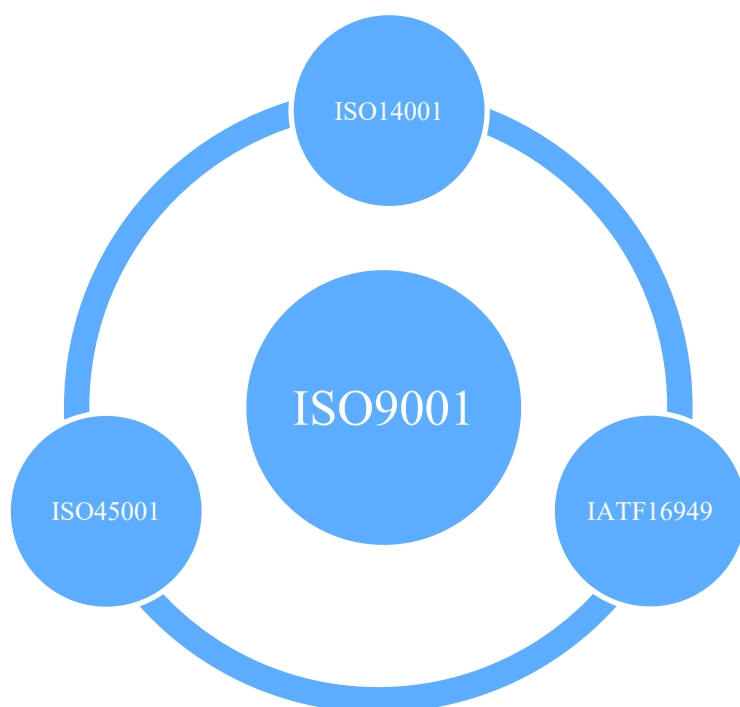
4D Interferometer (FizCam 2000) for high accuracy measurement of flatness



# CASTECH<sup>®</sup>

福晶科技

- CASTECH was founded in 1990 by FIRSM (Fujian Institute of Research on the Structure of Matter, Chinese Academy of Sciences, a world famous institute on material research).
- A public company (2008, Shenzhen, China, Stock Code: 002222)
- Sales Revenue US\$80 Millions
- More than 1000 Employees
- 40,000 M<sup>2</sup> Facility
- Sales 50% China and 50% International



CASTECH is a pioneer and global leader in nonlinear optical crystals, laser crystals, precision optics and laser components for laser, optical communication, biomedical and LiDAR applications. Based on more than 30 years of worldwide known expertise and unique technologies of crystal growing, precision polishing and high LIDT coating, CASTECH has built a wide selection of high performance precision optics category and solutions including Aspherical/Spherical Lenses, Flats, Prisms, Waveplates, Gratings, polarization components, as well as featured products for most commanding applications like ultrafast lasers, to assist with our customers from prototype to mass production stage.