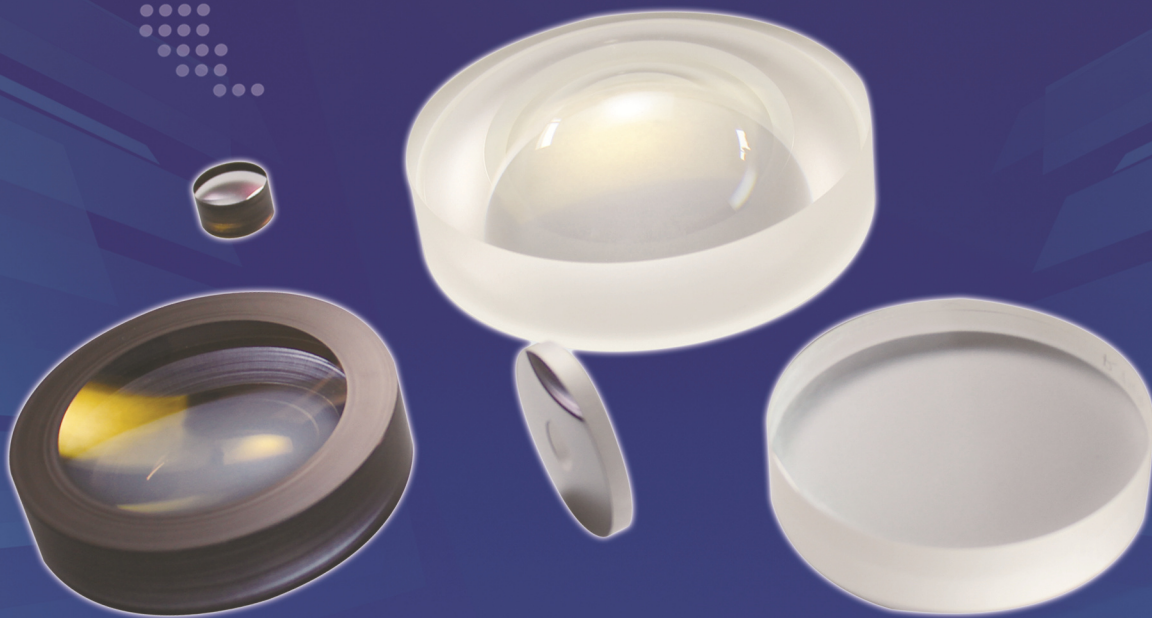




www.clzoptics.com

LEADER IN PRECISION OPTICAL COMPONENTS



CLZ Precision Optics is one of China's leading optical manufacturing companies. We manufacture a wide range of optical components for many different fields like Medical, Life Sciences, Defense and Aerospace and R&D. We were established in early 2012 in China's Optical Manufacturing hub of Changchun.

CLZ was founded by 4 people who have a combined 60 years of optical experience and training at Qioptiq in Singapore. After returning to their homeland, they employed their technical knowledge into optical processing. With the principles of an innovative spirit, scientific attitude, team work and honesty, the founders of CLZ have been able to grow their business quickly and successfully.

In 2018 CLZ improved our capabilities with the purchase of ZYGO Verifire Interferometer - 4", it is a full-featured interferometer that can provide non-contact measurements of flat or spherical surfaces of optical components, and more staffed join our dedicated team, whose passion and drive for supplying the highest quality optical components has allowed our company to flourish into the respected organization we are today. We like to think that the initial order is just the first step in a long and successful partnership, and look forward to hearing from you with developing an extensive cooperation in the future.

- Changchun Long Ze Precision Optics Co., Ltd.
- No.1636 Jinchuan Street, Changchun, JiLin, China
- Tel: +86 181-8688-0270

- Website: www.clzoptics.com
- E-mail: info@clzoptics.com
- sales@clzoptics.com



- ▶ Optical Domes
- ▶ Silicon Lenses
- ▶ Optical Lenses
- ▶ Custom Lenses
- ▶ Achromatic Doublets
- ▶ Windows
- ▶ Pressing Blank Material
- ▶ Cutting Blank Material

Products Introduction ▶

CLZ Precision Optics manufactures custom optical components with or without coating. Our main product line is spherical lenses, optical windows, optical blank material and optical dome lenses. We use standard optical glass mainly from CDGM but can get Ohara or Schott Glass on request. We also work with Fused Silica and Silicon. Our products are widely used in display systems, projection systems, laser measurement, optical imaging, etc.

- Spherical lenses – including Plano Convex Lenses, Plano Concave Lenses, Bi-convex Lenses, Bi-Concave Lenses, Meniscus Lenses, Spherical Mirrors and Achromatic Doublets.
- Optical windows – including optical glass windows, such as N-BK7, H-K9L. UV Fused Silica windows, Silicon (Si) windows and many are available either with or without AR coatings.
- Optical dome lenses – including Optical Glass Domes, Fused Silica Domes, Silicon Domes and Small size sapphire domes(Diameter less than 50mm). We use the material according to customer design, Our domes are widely used in Solar Instruments and underwater optical imaging.
- Optical blank material made of CDGM optical glass – including cutting blank material and pressing blank material.

Spherical Lenses Manufacturing Specifications

	Commercial	Precision	High Precision
Diameter	10 – 200mm	10 – 200mm	10-150mm
Diameter Tolerance	+0/-0.100mm	+0/-0.025mm	+0/-0.018mm
Thickness	±0.100mm	±0.050mm	±0.020mm
Sag Height	±0.050mm	±0.025mm	±0.010mm
Clear Aperture	80%	90%	90%
Radius	±0.3%	±0.1%	Fix to Test Plate
Power (PV)	3.0λ	1.5λ	λ/2
Irregularity (PV)	1.0λ	λ/4	λ/20
Centering (Beam Deviation)	3 arcmin	1 arcmin	0.5 arcmin
Surface Quality	80-50	40-20	10-5