



N 百纳
B E N A

Leading in optics with cutting-edge technology

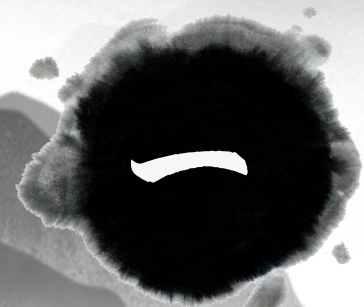
[CONTENT]

The background is a traditional East Asian ink wash painting style illustration. It depicts a misty mountain landscape with layered peaks, some birds in flight, and a small boat with a person on the water in the lower right. There are also some dark ink splatters and a cluster of reeds in the top right corner.

● About Bena Optics

● Capabilities of Bena Optics

● Products of Bena Optics



About Bena Optics



Bena Optics, established in 2014, is dedicated to the production of ultra-high precision optical components. Over the years, the company has continuously upgraded its processing equipment and enhanced its technological capabilities, positioning itself as a leading figure in the optical components industry in China. The 2,500 square meter facility houses a team of approximately 30 professionals, including technical engineers, skilled processing personnel, and assembly and testing experts, all working together to ensure the highest quality standards. Bena Optics boasts state-of-the-art equipment, including Ion Beam Figuring (IBF), Magnetorheological Finishing (MRF), large CNC machines, ring polishing machines with diameters ranging from 1.2m to 2m, and Computer Controlled Optical Surfacing (CCOS). The company also utilizes advanced measurement tools such as laser interferometers, a Coordinate Measuring Machine (CMM), and a LupoScan420HD high-precision non-contact 3D optical profiler.

Bena Optics serves a diverse range of prestigious clients, including the Changchun Institute of Optics, Fine Mechanics and Physics (CIOPMA), Beijing Institute of Technology (BIT), and Stanford University.

Bena Optics' products are utilized by customers in over 60 countries, spanning fields such as scientific research, medical instruments, aerospace, national defense, weather monitoring, geology, and oil exploration. Bena Optics offers a comprehensive product range that includes spherical lenses, aspherical lenses, cylindrical lenses, optical windows, prisms, mirrors, and filters. These products are crafted from materials such as ultraviolet quartz, fused silica, visible glass, infrared silicon metal, sapphire, ZnSe, ZnS, and SiC. Committed to delivering the highest quality optical components through continuous innovation and technological advancement, Bena Optics has established itself as a trusted partner in the global optical components industry. The company looks forward to collaborating with clients on their next projects.



1 Core values

Team spirit brings about brilliance, innovation paves the way for the future, responsibility fulfills dreams.
 Integrity-based trust, exceptional quality earns respect, win-win concept shapes the future.
 Hand in hand, we achieve brilliance; Forging ahead, innovation guides the future.

2 Mission

Whether the client requires commercial optical lenses, ultra-high precision optical components, or engineering expertise via consulting, Bena Optics' vision is to offer effective and economical solutions without compromising on quality. Meanwhile, provide excellence in the highest quality custom optical solutions, and exceed client expectations.

3 Vision

Driven by innovation and oriented towards quality, Bena Optics aspires to establish an outstanding brand that will propel the progress of optoelectronics and render the world of optoelectronics even more thrilling due to Bena.

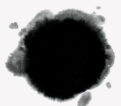


A large, dark, circular watermark with a white '二' (number 2) inside, positioned on the left side of the slide.

二

Capabilities of Bena Optics

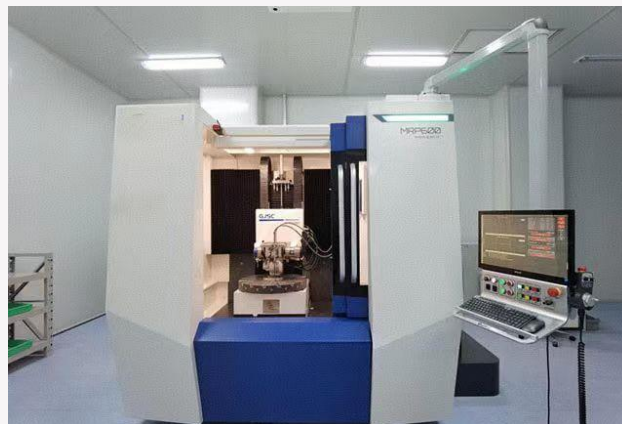




State-of-the-art process equipment



Ring polishing machine



MRF (Magnetorheological Finishing)



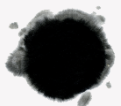
CCOS (Computer Controlled Optical Surface)

IBF(Ion Beam Figuring)

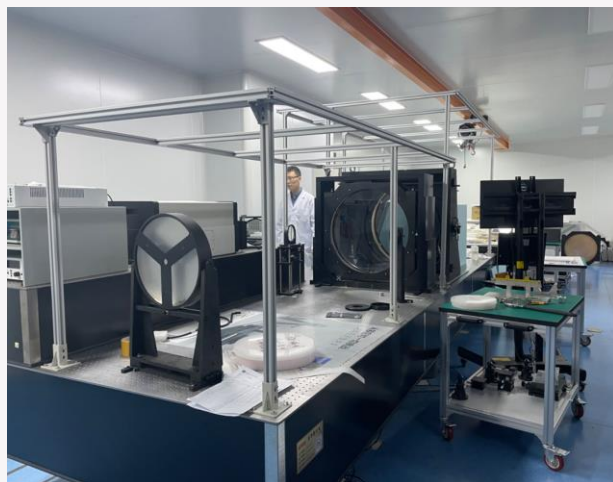
CNC (Computer Numerical Control)

High precision coating machine





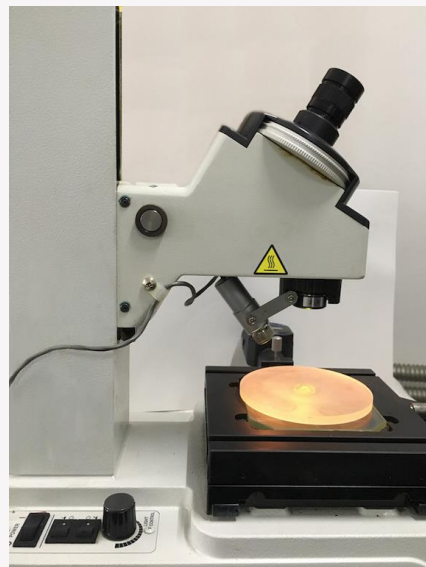
Laser interferometer



CMM (Coordinate Measuring Machine)



Centering instrument

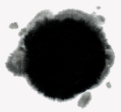


Lupho Scan 420HD Surface profile



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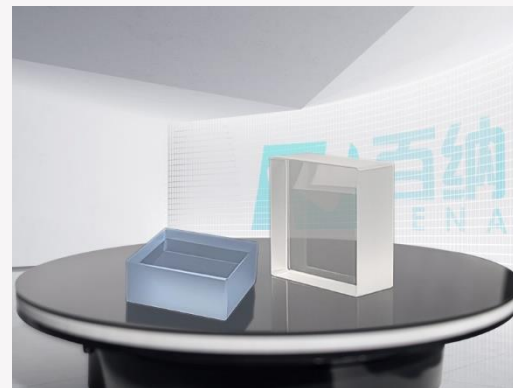
Products of Bena Optics



Spherical lens



Optical dome



Optical window



Optical mirror



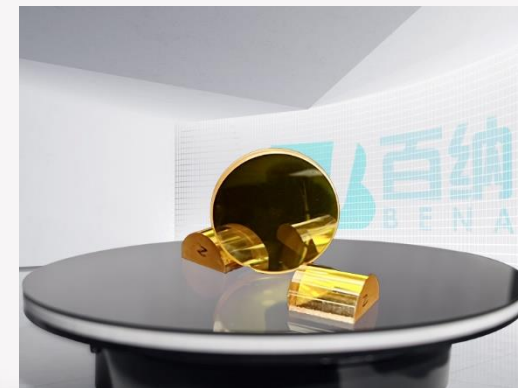
Cylindrical lens



Optical prism

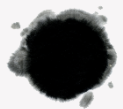


Optical filter



Infrared Optics





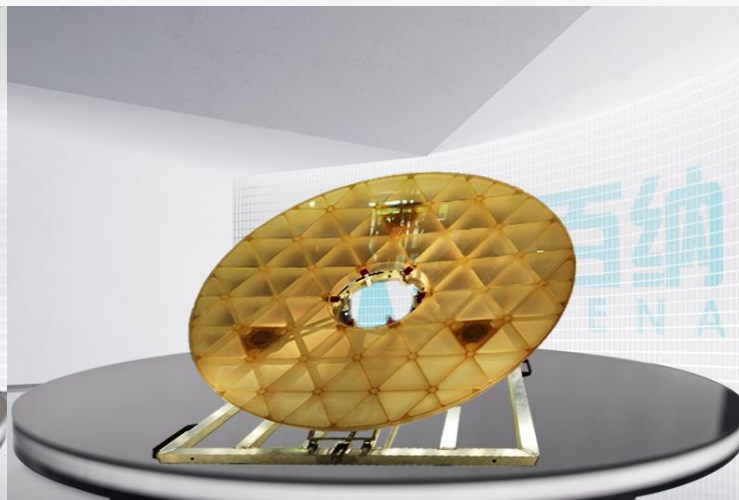
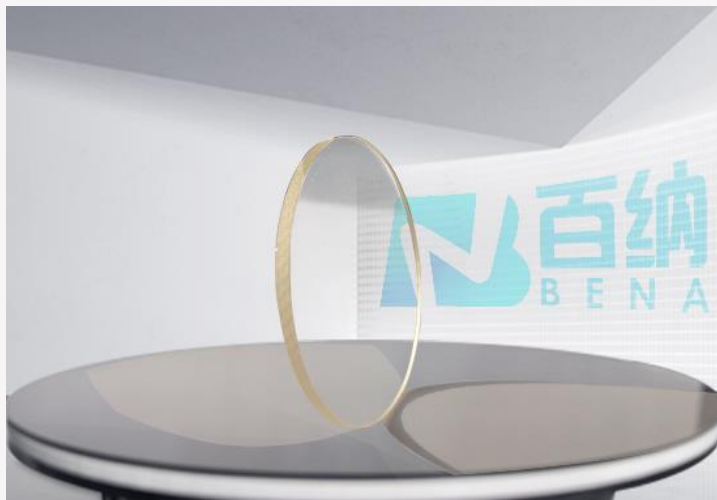
Ultra-high precision optics

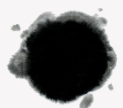


Fused silica

Zerodur

Silicon Carbide

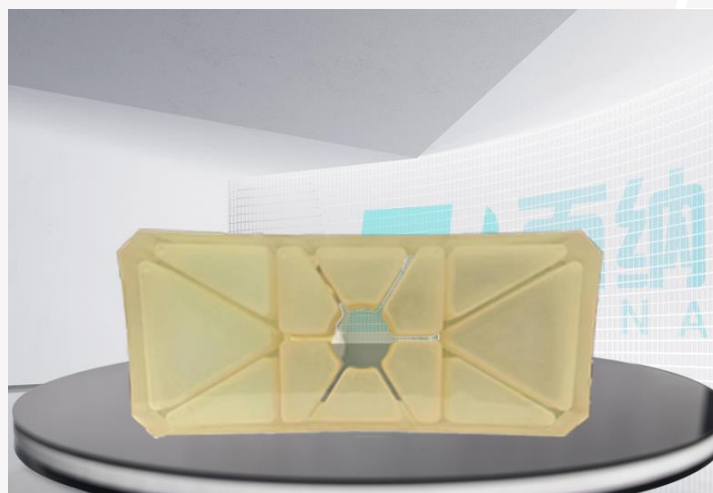
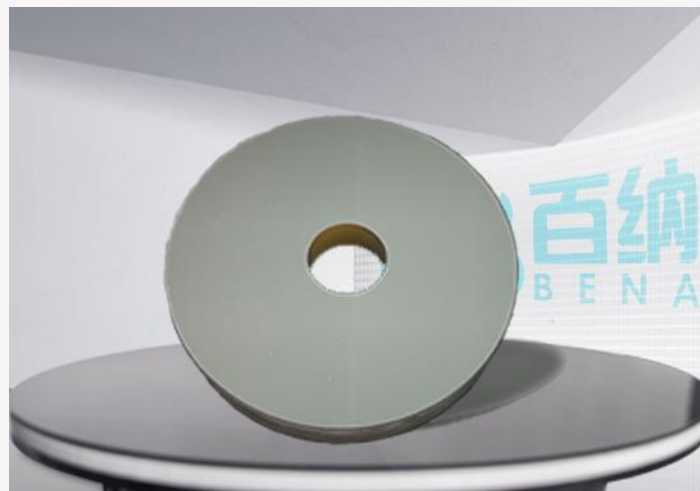




Ultra-high precision optics



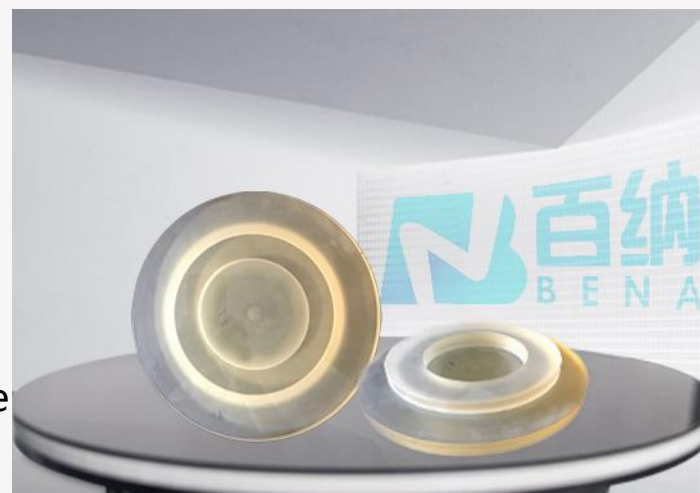
Aspheric surface processing

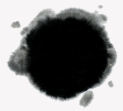


Coaxial aspheric

Off-axis aspheric

Free form surface

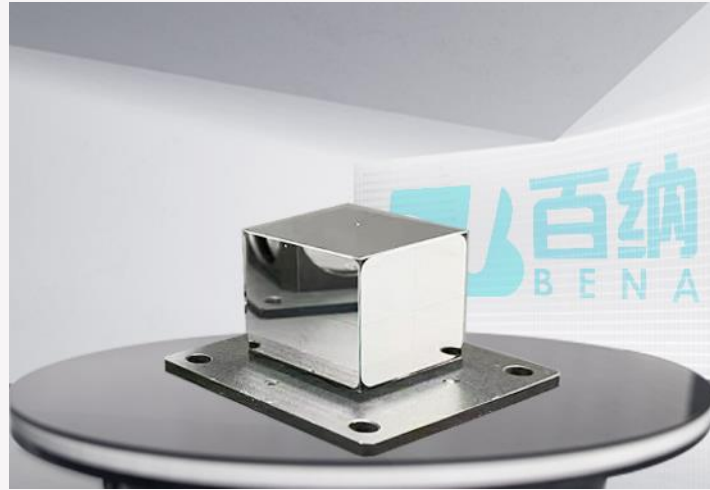
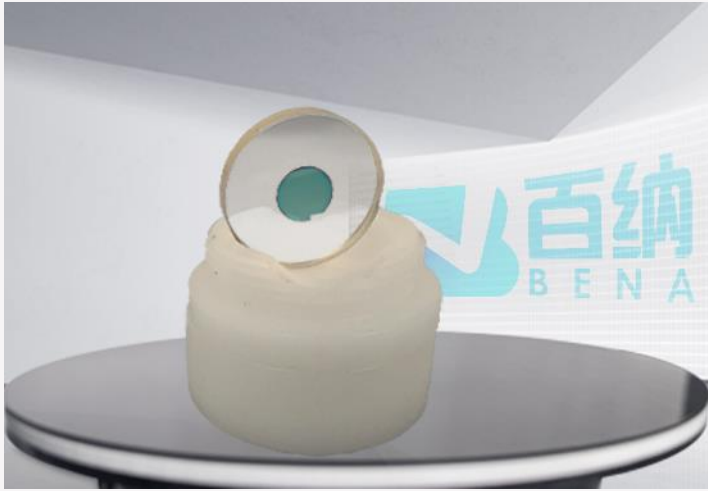




Ultra-high precision optics



Super smooth and super high reflectivity mirror



Alignment Cube





Bena Optics hold that a company should be as tolerant / encompassing as the vast ocean which admits hundreds of rivers and should draw upon other's strengths.