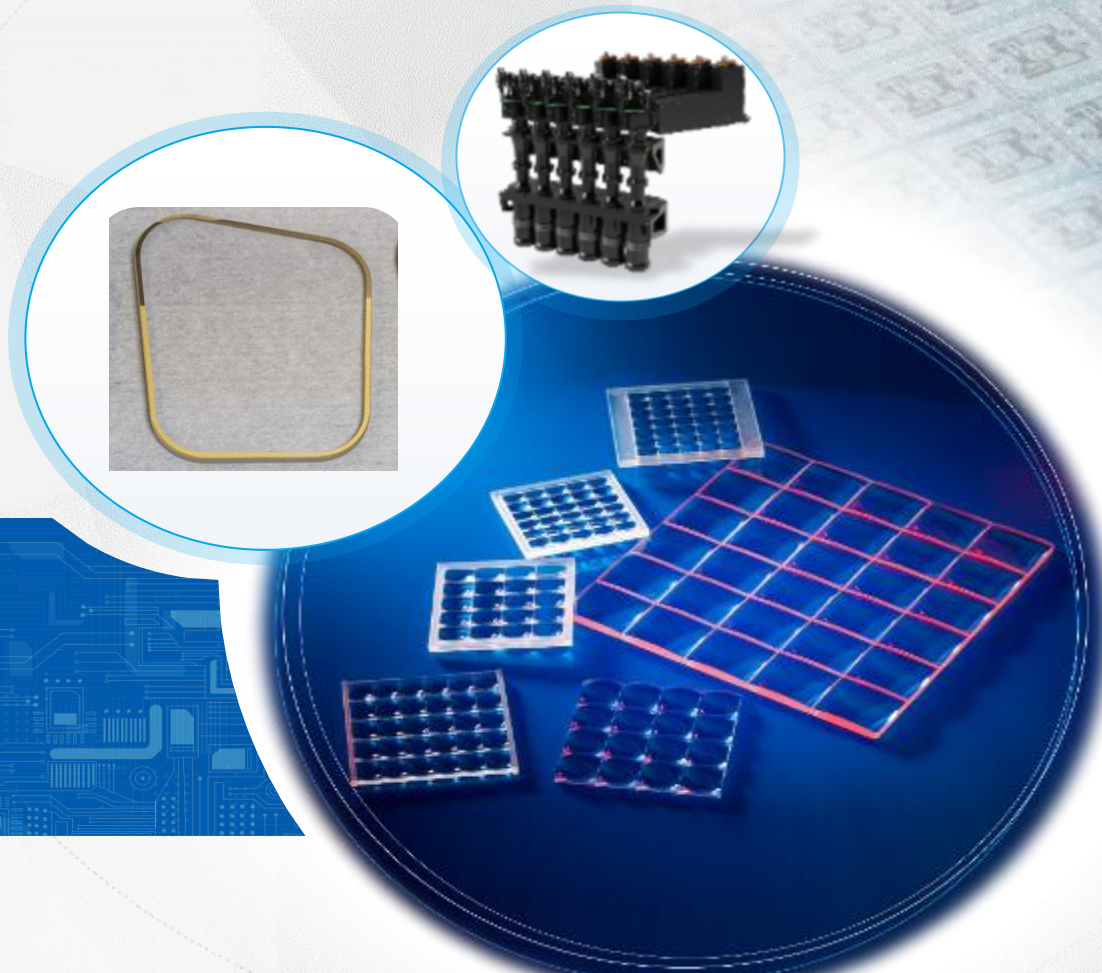


Devoted to import substitution of optical systems, and technology innovators



Optical grating glass profile

XINXIANG CITY BAIHE O.E. CO., LTD.



- ❖ With military technology background, and our core team has nearly 40 years experience in optical components processing and coating.
- ❖ Products are exported to Europe, Africa, Asia, etc. more than 28 countries and regions.
- ❖ Focus on the development, production and sales of high-precision optical components, ultraviolet light sources and lenses, and new display systems

Research and production capability

- ❖ BHOE has a complete set of processing and testing equipment for optical components such as Optical grating glass, spherical, planar, aspherical and free-form mirror, and the core components are controllable
- ❖ BHOE can meet the development and batch delivery capabilities of grating glass, I-line products and large-size optical parts, and the design, assembly and debugging capabilities of optical systems



Headquarter base

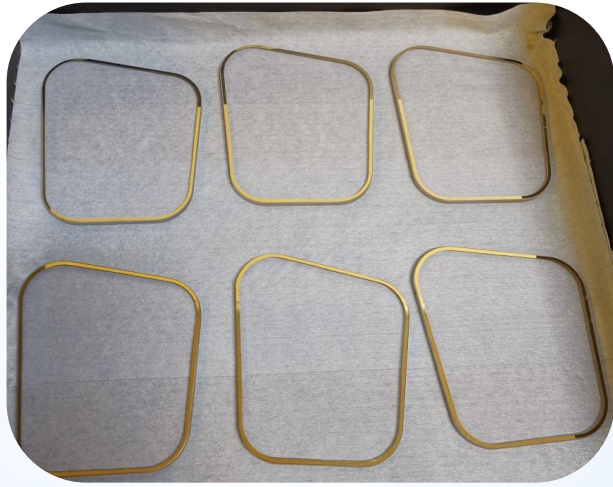


Baihe optical

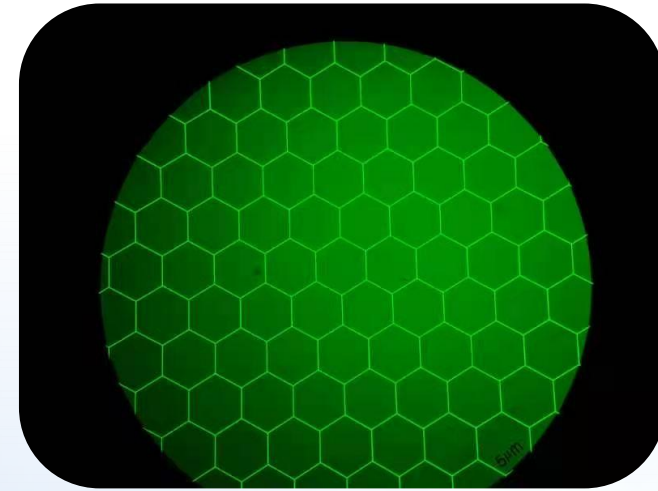


Shenzhen office

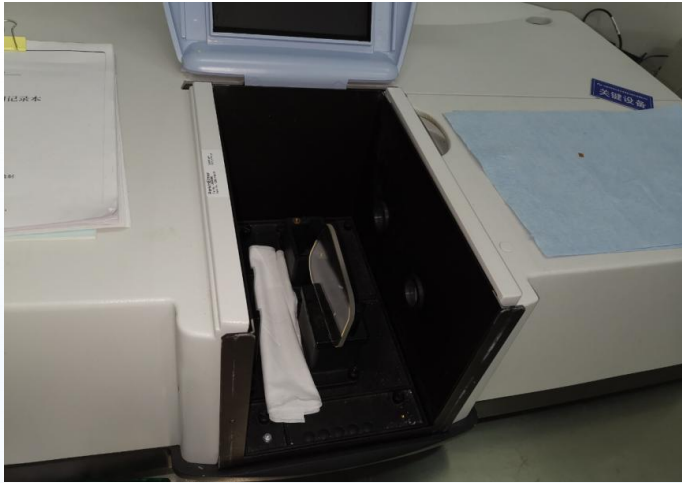
Optical grating glass



- ◆ The product is a double-sided anti-reflection film on the glass substrate, a single-sided metal grid, the whole electrode, where the electrode broadband $\leq 2\text{mm}$. Real product photo as shown on the left.

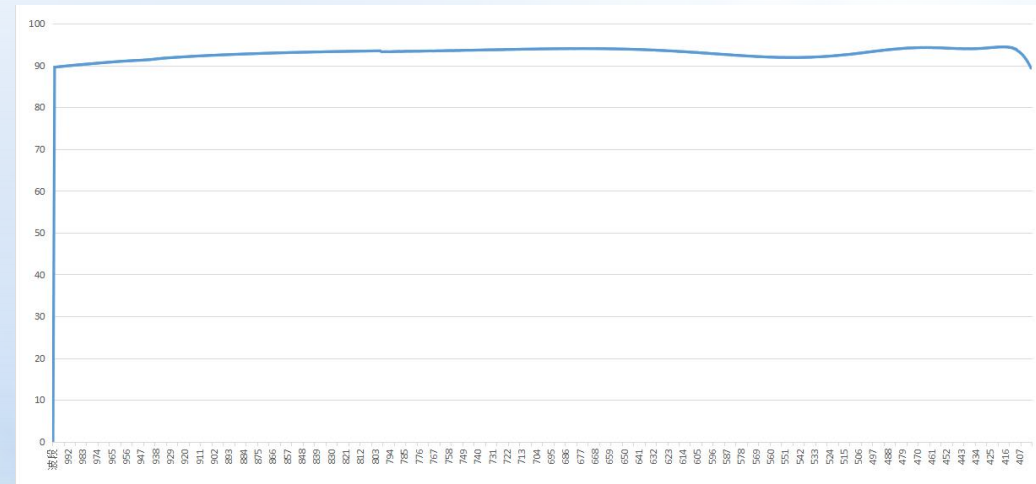
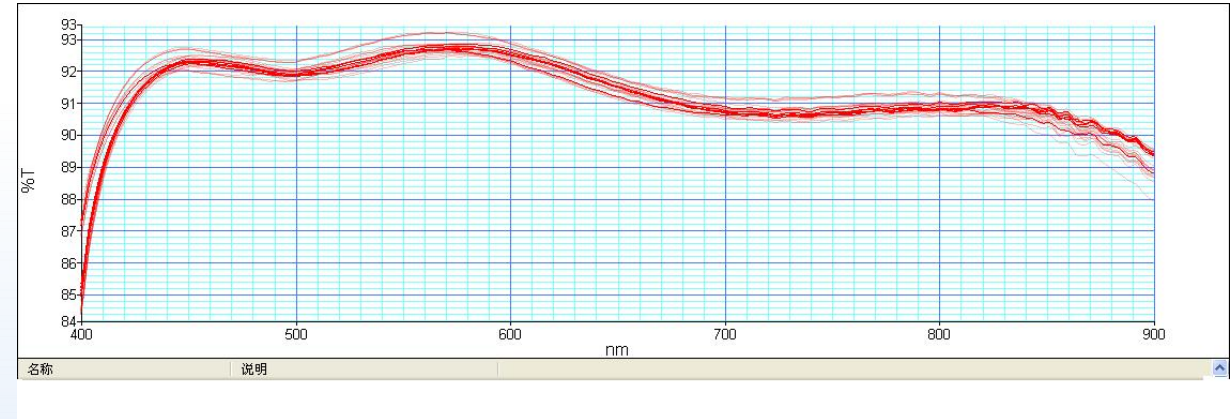


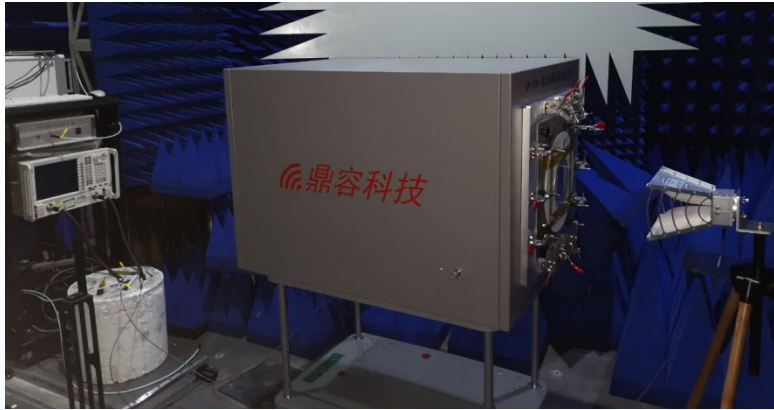
The wire width of the metal grid on the surface of the product is $6\pm 0.3\mu\text{m}$, and the side length is $132.7\pm 0.3\mu\text{m}$. Photo of metal mesh morphology as shown on the left.



Lambda 900 spectrophotometer

Measurement results of transmittance in visible and near infrared bands of the product as shown on the right.





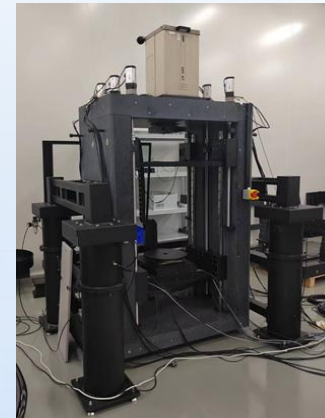
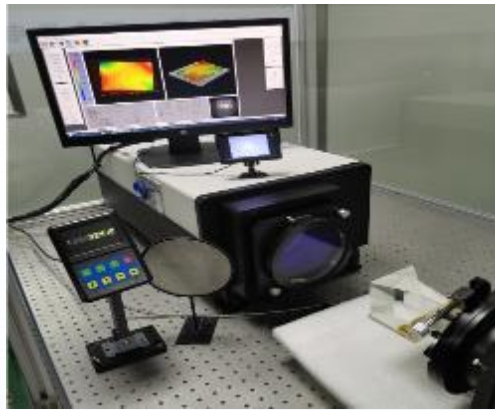
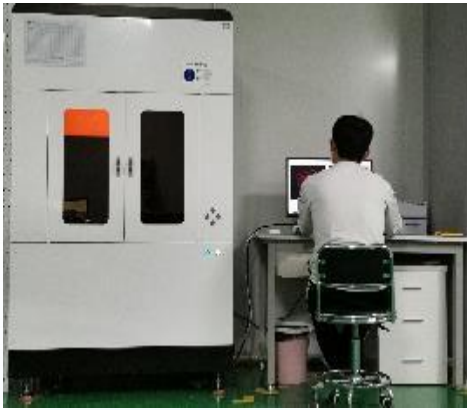
Test status, according to GJB 6190-2008 "Electromagnetic shielding Material shielding effectiveness measurement method". The average electromagnetic shielding efficiency of the product is $SE = -23.6\text{dB}$ in the range of 1~18GHz. Considering the size of the test product and the test interference, the electromagnetic shielding efficiency can meet the requirements of less than -20dB in the range of 1~8GHz.





- ◆ **Coating machine (20 sets)**、 Ion beam polishing machine, robot polishing, small grinding head polishing, three-station hot bending equipment, centering car, double-sided polishing and other processing equipment.
- ◆ With glass molding, cutting, grinding, polishing, chemical tempering, ultrasonic cleaning, screen printing, optical gluing, nano-imprint, UV exposure machine, etc., with a diameter of 3m lens processing and coating capabilities, with a full set of technology and processing flow.

Testing equipment



- ◆ Profilometer, laser interferometer, coordinate measuring instrument, spectrophotometer, center deflection measuring instrument, centering car, free-form surface profile detection, laser confocal, white light interferometer, spectrometer, ellipsometer, film stress tester and other high-precision measuring instruments.

Thank you !

Mission: Devoted to import substitution of optical systems, and technology innovators

Vision: Serving the Country through Industrial development. , Change your life with light

Values: Integrity, progress, cooperation and innovation

Lynne Lee

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