

Shandong Yuying Optical Instrument Co.,Ltd

Enterprise Profile / Product Introduction

Sakura

Email: sakura@yuyingfresnel.com

Phone/Whatsapp +86 13826507576

CONTENTS



ABOUT US



PRODUCT DISPLAY



CORPORATE CULTURE



ENTERPRISE ADVANTAGES



CONTACT US



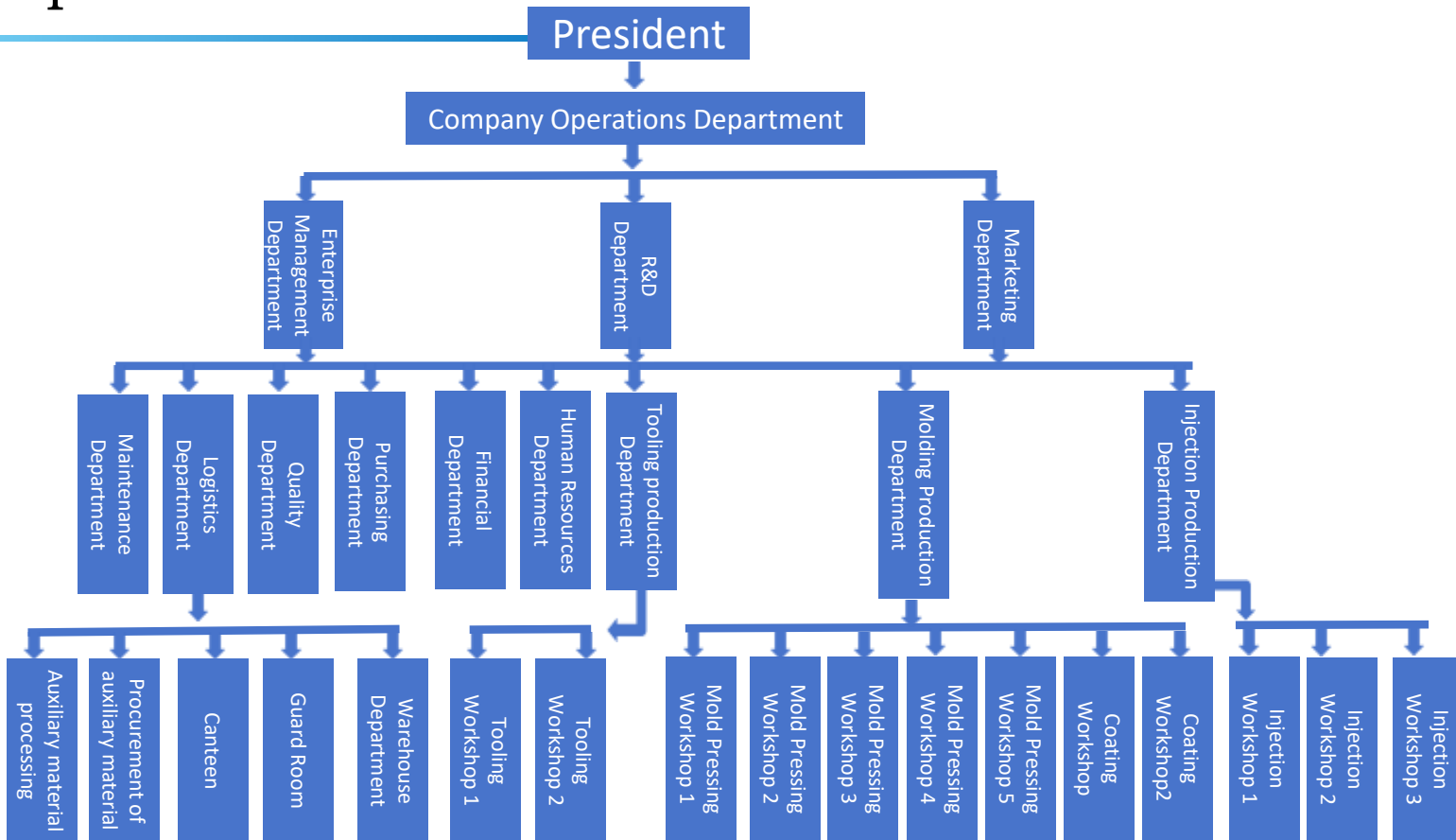
Company Profile



Shandong Yuying Optical Instrument Co., Ltd. is a high-tech enterprise focusing on the research and development, design, manufacturing and sales of Fresnel lenses. The company was founded in 1970. Its predecessor was Linyi Radio Parts Factory. It began to produce Fresnel lenses in 1976. After the enterprise restructuring in 1992, it was officially renamed Shandong Yuying Optical Instrument Co., Ltd. and gradually grew into a leading enterprise in the field of Fresnel lenses in China. Yuying has a registered capital of 100 million yuan, covers an area of more than 200 acres, and a building area of more than 60,000 square meters. There are more than 600 employees and more than 80 technical R&D personnel. We have complete mold manufacturing, injection molding, molding, coating, testing and assembly capabilities, and produce more than 160 million pieces of various Fresnel lenses annually.

After more than 50 years of focus and deep cultivation, Yuying Optics has accumulated more than 10,000 customers worldwide. As one of the few companies in the industry that has mastered the full process of "independent design + mold manufacturing + mass production", we always insist on technology innovation-driven development, continue to increase R&D investment, and are committed to providing customers with customized, differentiated, and high value-added optical solutions.

Enterprise Structure



Development History

1968-1992

The state-owned Linyi Luobei Optical Instrument Factory independently developed the first automated lathe in China that specializes in manufacturing Fresnel lenses.



2000

The newly built factory covers an area of more than 30,000 square meters. Cooperating with 3M of USA and ACCO of UK, we supply lenses for teaching projectors



2002

Established an injection mold workshop , developed and produced human infrared sensing lenses , enter the LCD projector market simultaneously.



2004

A photovoltaic lens R&D team was formed, PMMA array photovoltaic lenses and silicone gel tempered glass lenses were developed.



2019

The construction of the NEW factory building started, and the mass production of laser TV anti-glare screens has been realized.



2021

Entered the 3D printing field and supplied Lixiang Auto HUD lenses in batches.
Focused on expanding the projection, infrared, LED lighting, automotive HUD markets, etc.
The coating workshop was established and put into use.



2016

We produce and sell nearly 100 million human infrared sensing lenses and have passed ISO9001,ISO14001 and ISO45001 certification.



2023

Won the title of "Little Giant of Specialization and Innovation" in Shandong Province, and passed the automotive quality management system certification. We attach importance to R&D investment, continuously expand the application of Fresnel lenses, and provide timely and efficient services to customers.



2011

Four CPV lens production workshops were put into use, becoming a major supplier of CPV lenses at home and abroad.



2024

The coating process is mature and has begun to be applied in various fields. Obtained SA8000 social responsibility management system certification.





Enterprise Strength

Fresnel Tooling Manufacturing

The maximum diameter of the mold that can be produced is 2.2m. There are several high-precision Fresnel mold special machine tools, several linear Fresnel mold special machine tools (the maximum processing size is 1500*2500mm), and several ultra-precision single-point diamond lathes. The minimum pitch is 0.02mm, the tooth tip is less than 0.003mm, the surface roughness $Ra < 2nm$, and the surface accuracy $PV < 0.2\mu m$.

Mold Pressing Workshop

Our company has a large molding production line, producing 50,000 to 100,000 molded lenses per day on average. We also have a thousand-level cleanroom to meet the needs of high-end customers.



Injection mold

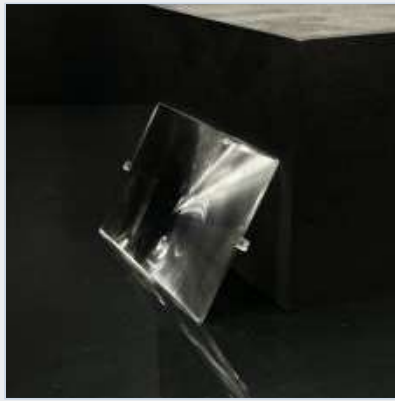
Our company has more than 50 high-precision injection mold processing equipment and produces more than 300 pairs of various injection molds annually.

Injection workshop

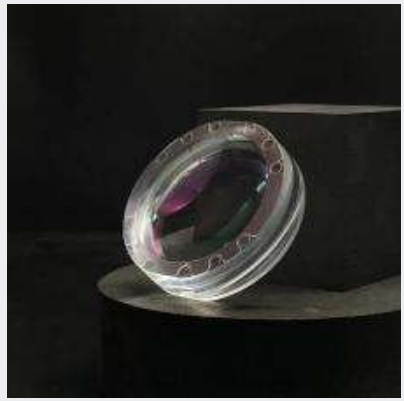
We have more than 100 imported high-precision electric injection molding machines, large-tonnage vertical and horizontal injection molding machines, which can ensure the quality and timeliness of our customers.

For Projector

Projector Fresnel



Projector Lens



The Fresnel lens used in the projector can improve the resolution, clarity, brightness, etc. of the projector image. The Fresnel lens is divided into front and rear Fresnel lenses in the projector, which improves the efficiency of light utilization.





Projector Fresnel

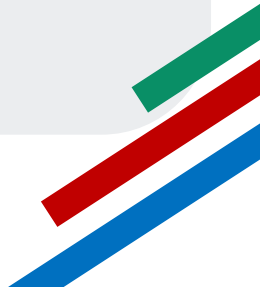


Our company has rationalized the thread pitch and tooth shape, and in order to raise the picture and increase the range of trapezoidal correction, we have adopted an eccentric lens focusing objective lens, so that the projector can achieve a good viewing effect whether it is suspended or placed on a desktop.

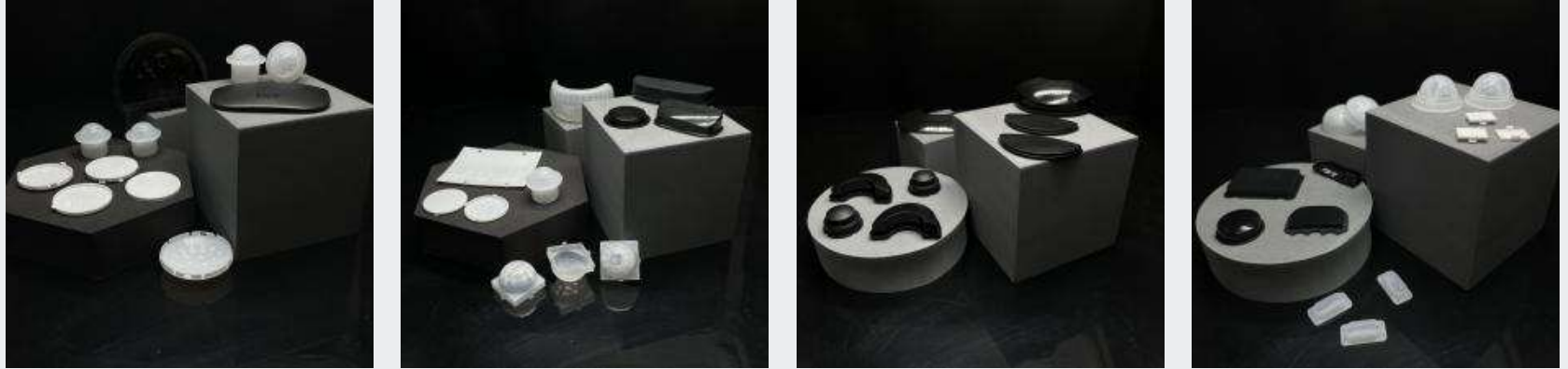


Projector Fresnel

Application



PIR Lens



The molds of all our products are original , retaining the most authentic and accurate design.
(Design evaluation - mold production - production test - MP are all completed within our company)

PIR Lens



Smart home



Outdoor camera



Security monitoring



Induction lighting

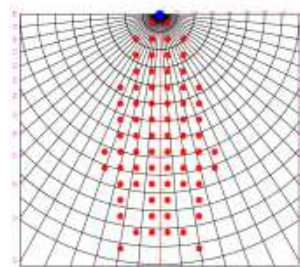
Application



Tooling



Dot test chart

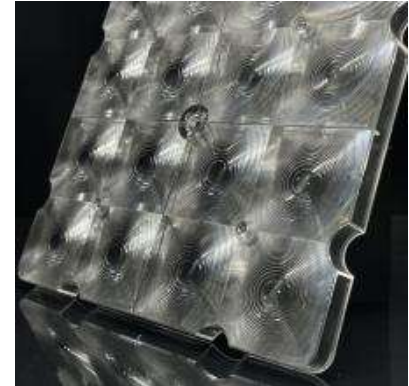


Injection molding machine

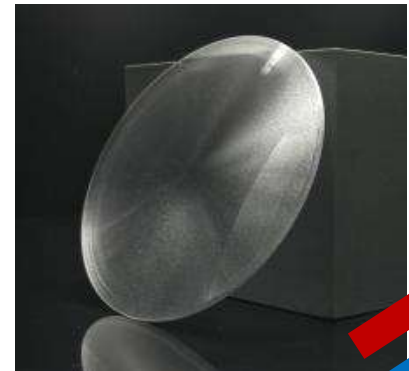
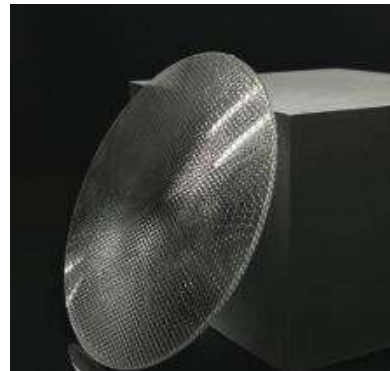
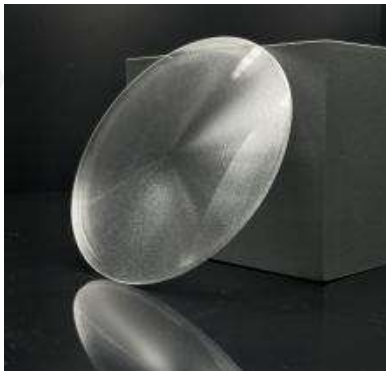
Test production

LED Lens

LED Lens



Compound eyes,
Frosted



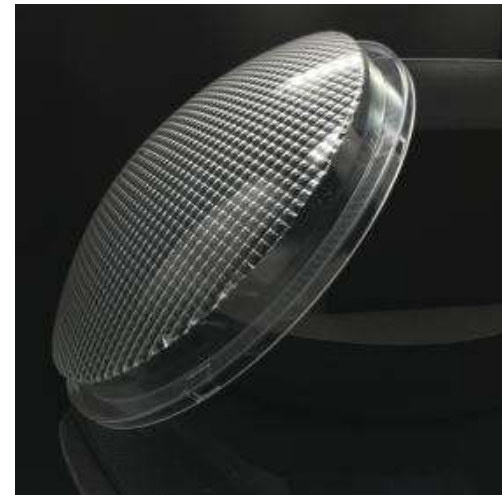
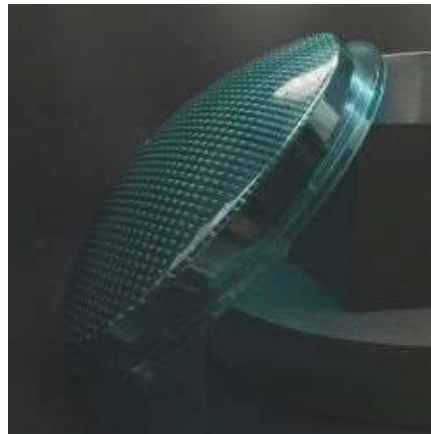
LED透镜



Fresnel lens lampshade is used for LED light distribution, which can increase the light effect and brightness. Compared with the same lens and LED lamp, the focal length and distance are different, and the angle of the emitted light can be set arbitrarily. Single lamp or multiple array LED lamps can be designed according to needs. It is now widely used in various lamps such as LED floodlights, stage lights, lighting, landscape lights, traffic lights, etc.

It can process micro-array lenses with a roughness of less than 0.015um, and can produce the largest micro-array lens of 1000mm*800mm.

❧ Traffic signal light 【Lens+ cover】



The Fresnel lens is specially used for high-power traffic lights, which has a penetrating power in foggy and smoggy weather that is twice that of conventional traffic lights and can reach 400 meters.

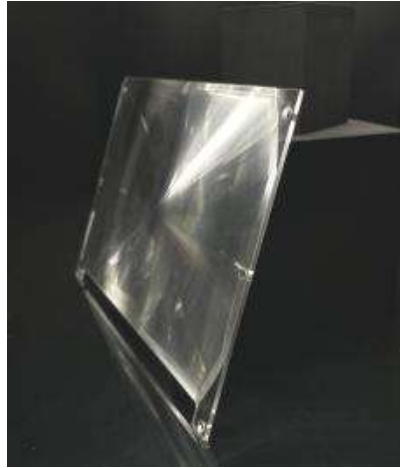
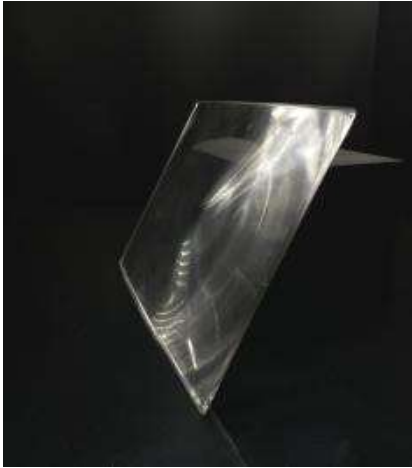
Traffic signal light

Application

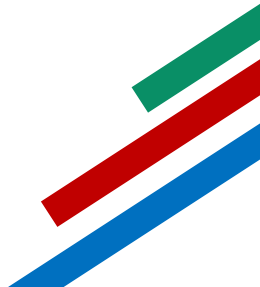


At present, the traffic signal light series lenses produced by YY are widely used in urban roads such as Guangzhou and Shanghai.

3D Printing Lens



3D printing lenses can improve the verticality of light, thereby improving the surface light intensity and printing accuracy of the molding, making the printed products more delicate.





3D Printing Lens

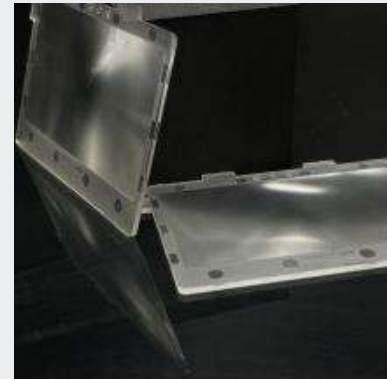
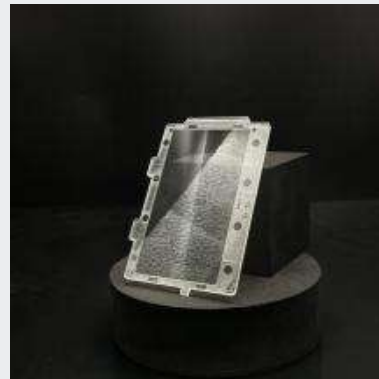
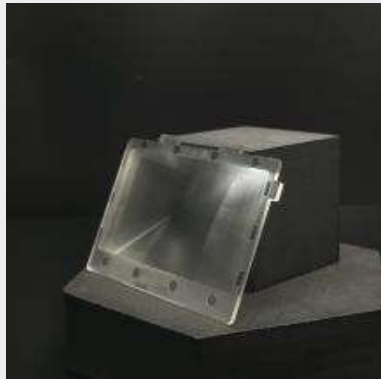
Application

Fresnel lens can change the optical angle in 3D printers to make the model surface more beautiful. It can be customized according to customer needs and used in anime figures, jewelry design, education and learning, medical dentistry and other fields.

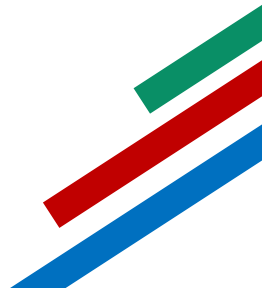




HUD Lens



HUD lens is the core component of the HUD system and is widely used in automobile, aviation and other fields.



HUD Lens

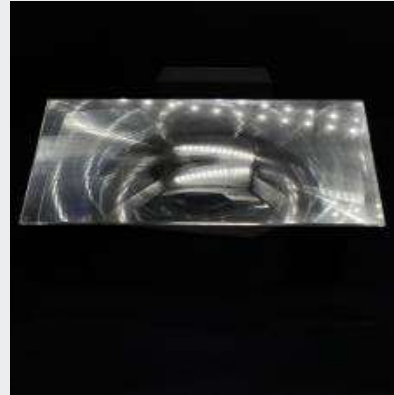
Application



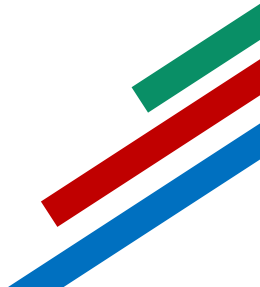
The function of the HUD lens is to project driving information such as speed and navigation onto the windshield in front of the driver, so that the driver can keep his eyes forward as much as possible.



Wide-angle Lens



A coating process is used on the basis of the Fresnel lens to achieve the reflection effect and avoid chromatic aberration problems.



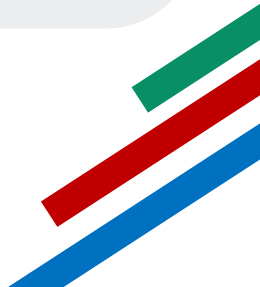


Wide-angle Lens

Application



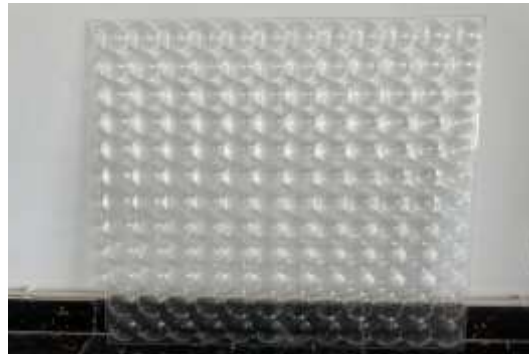
Wide-angle lens are widely used in ATM machines



Solar lens



SOG Lens



Fresnel SOG lens uses the characteristics of SOG material and selects ultra-white tempered glass as the substrate. Combined with the design of Fresnel lens, it realizes light and thin, more efficient application functions.



Solar lens



PMMA Solar Concentrator Fresnel Lens



Yuying can produce large Fresnel lenses with a diameter of 2.2m, and can produce different focal lengths according to customer needs. It can also produce linear Fresnel lenses, with perfect molding technology to ensure maximum focusing efficiency. Fresnel lenses overcome the disadvantage of ordinary lenses being heavy and have a simple application structure.

Solar lens

Application



Solar Power

Solar Power

Solar cooker

Physics Experiment

Fresnel magnifier



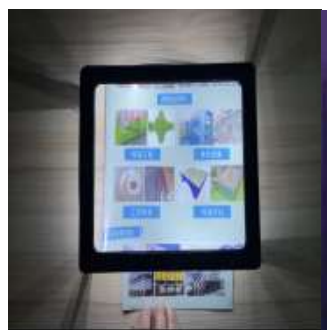
Screen magnifier



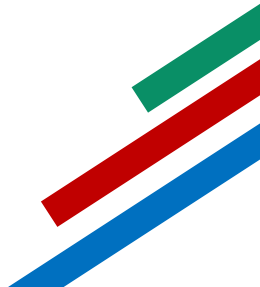
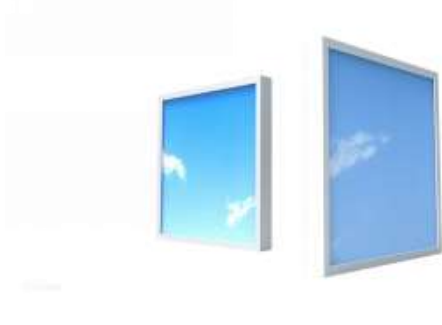
PVC bookmark magnifier



Bracket magnifying glass



Clear sky light lens



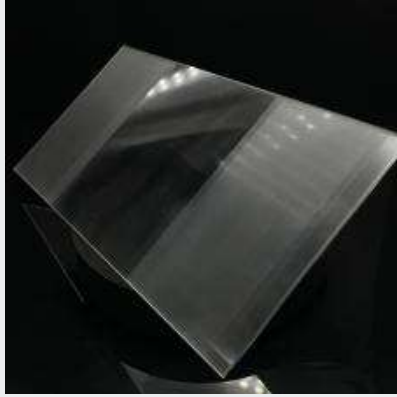
Clear sky light lens

Application



It is mainly used in smart skylights, which can ensure high light transmittance of the skylight, reduce optical distortion and provide a clear view.

Other Products



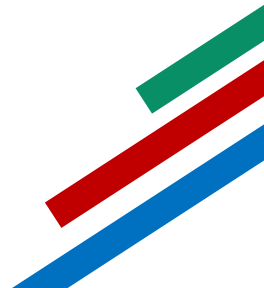
Polarized lens



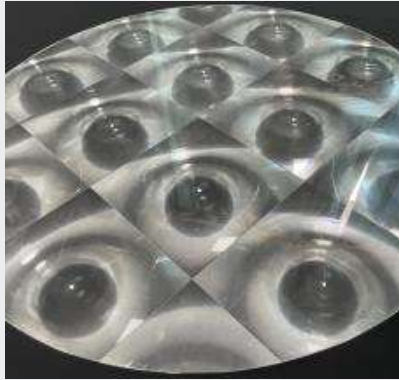
Linear Fresnel lens



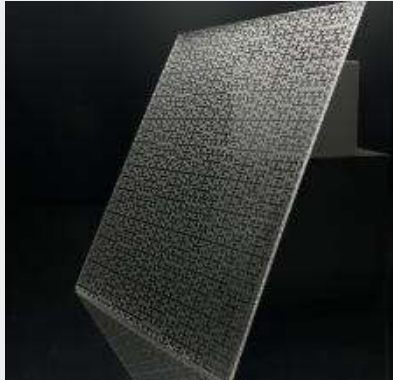
Cylindrical lens



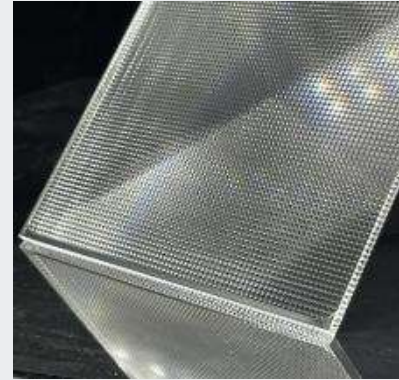
Other Products



Indoor light diffuser



Lens array



Reflective prism



Enterprise image



Office building front desk



Production workshop



Office building



Workshop corridor



Company Canteen



Sales Office



Enterprise image

At present, our company has ten production workshops, with professional optical designers, mold designers, process engineers, quality engineers, testing teams and skilled and professional front-line teams in each link to ensure that every product meets customer needs. Serving customers is our unchanging pursuit





Enterprise image

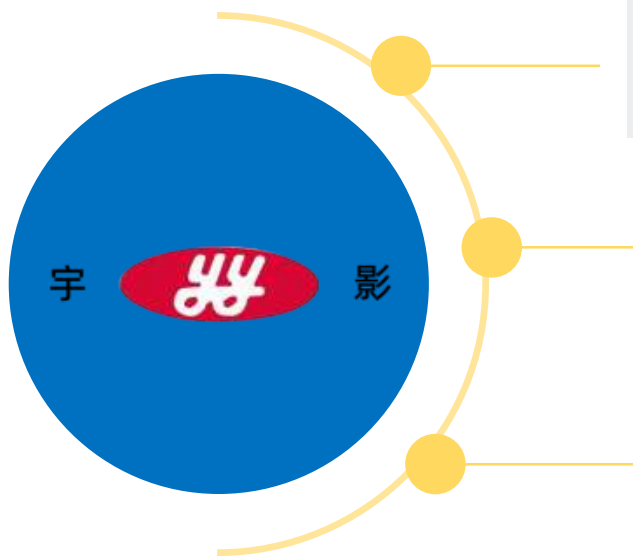
Multiple special lathes, wire-cutting machines, mirror spark machines and other mold processing equipment to meet high-precision mold processing requirements for different needs.



Enterprise image (Part of testing equipment and venue)



Enterprise Culture

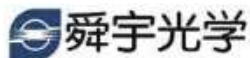


Yuying respects the growth of every employee. Everyone is a member of the team. Only when individuals continue to improve can the team improve.

Yuying always believes that only an excellent team can make an enterprise forever rejuvenated and continuously achieve victory.

Create value for customers, future for employees, and prosperity for society.

Partners



Enterprise vision



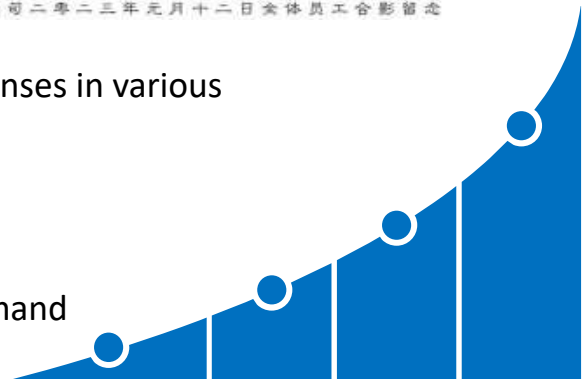
山东宇影光学仪器有限公司二零二三年元月十二日全体员工合影留念



Leading the application of Fresnel lenses in various industries



Develop various new Fresnel lenses to meet market demand



Future plans

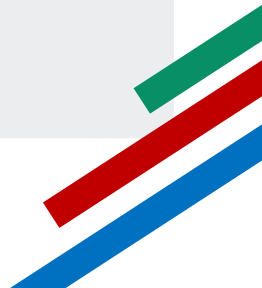




Enterprise honor



SA8000、ISO9001、ISO14001、ISO14005、IATF16949 and other certifications.



Enterprise honor



Yuying has successively won the honorary titles of National High-tech Enterprise, National Little Giant Enterprise, Shandong Province Specialized and New Little Giant Enterprise, Provincial Excellent Enterprise for Integration of Industrialization and Informationization, "Good Products Shandong", and "Qilu Boutique".



Enterprise honor

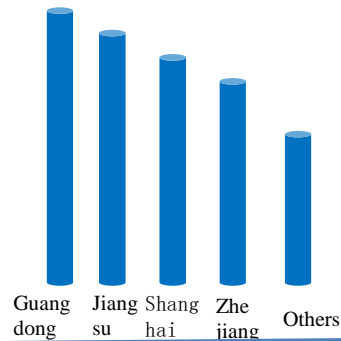


Multiple invention patents, utility model patents, etc.

Business Distribution



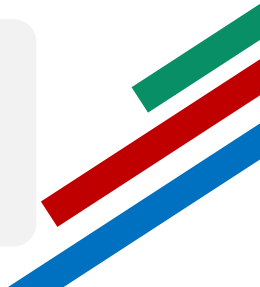
Domestic business coverage



It is mainly distributed in Jiangsu, Zhejiang, Shanghai, Guangdong and other regions.

International business coverage

Our products are sold in many countries around the world, mainly to the United States, Europe, India, Japan, South Korea, Vietnam and other countries and regions.





Contact us



Address : No.167,Huayuan Street,Linyi County,Dezhou City,Shandong Province,China

Email : sakura@yuyingfresnel.com

Phone/WA/Wechat : +86 13826507576

Website: www.yuyingfresnel.com

Shenzhen
Branch

Room 901, Tower A, Building 1, Renheng Centrium,
Xinqiao Subdistrict, Bao'an District, Shenzhen, China

Professional Fresnel Optical Lens Solutions Provider Since 1992

Thank you for watching, and we look forward to
working with you!