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Next, you will have an in-depth understanding of our company from the following four aspects

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Company Profile

2

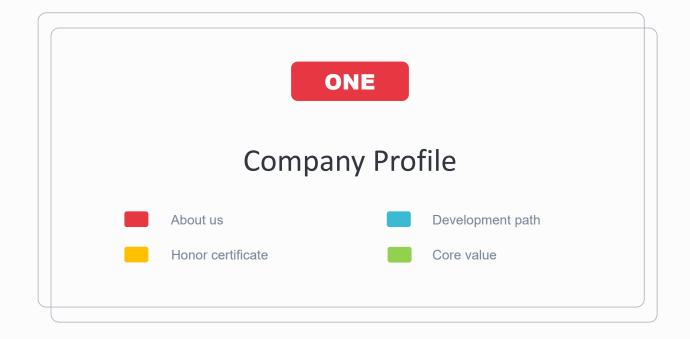
Our Products

3

Manufacturing and QA Assurance

4

Our Objectives



About us

1 History

✓ Over10-years of professional experience in manufacturing optical components since 2021.
 Located in the city of Changchun "The optics culture base of China"

2 Scale of company

✓ Area of 2000 square meters, supported by 82 people in our company, including 8 optical engineers, 46 Techniciens and 12 Sales team etc.

3 Business scope

✓ R&D,Manufacturing &Sales



About us

Factory real shot







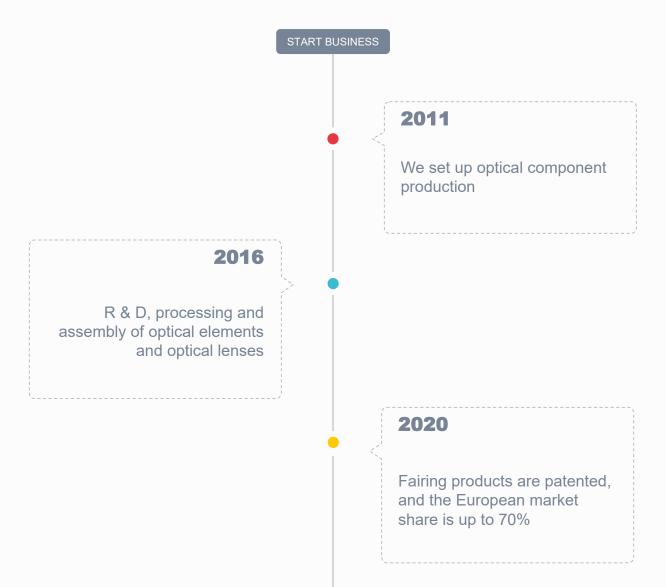








Development path

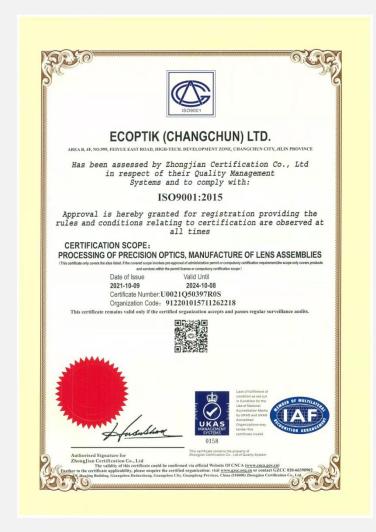




This concludes the timeline from 2011 to 2021

In the future, we will continue to expand our company and further improve and make breakthroughs in scientific research and technology

Honor certificate







Core value

Quality

Providing quality products and service. Customers satisfaction first.



Team work

Consistent goals and joint efforts to achieve set targets

Responsibility

"Responsibility is the cost of the noble and great" -- Churchill

Quality → Awareness → Profitability



ONE









Spherical lens















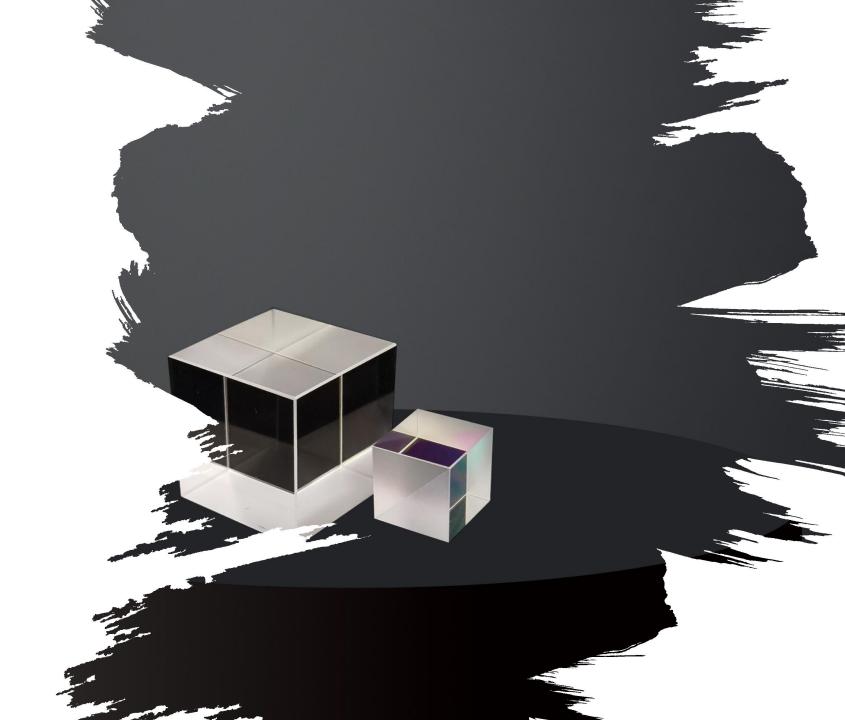


Prism

















Dome

















Cylindrical lens

















Reticles

















Infrared optics

















Micro optics

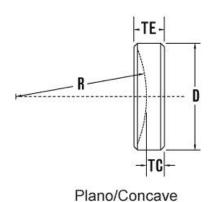


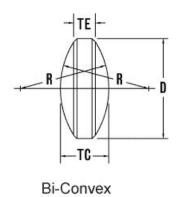


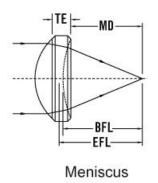


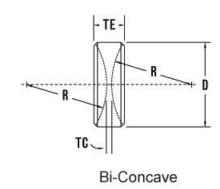


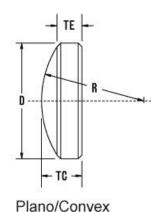
Spherical lens











Double convex

Plano concave

Plano convex

Double concave

Meniscus

Achromatic cemented doublet

Achromatic cemented triple

Prism



Right angle prism Dove prism

Equilateral prism Powell prism

Foursquare prism Paul prism

Penta Prism Rhomboid prism

Wedge prism Trapezium prism

Cube prism Corner prism

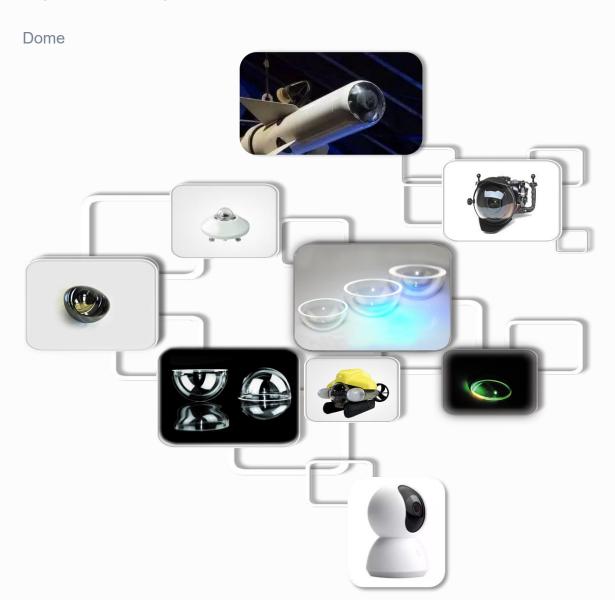
Roof prism







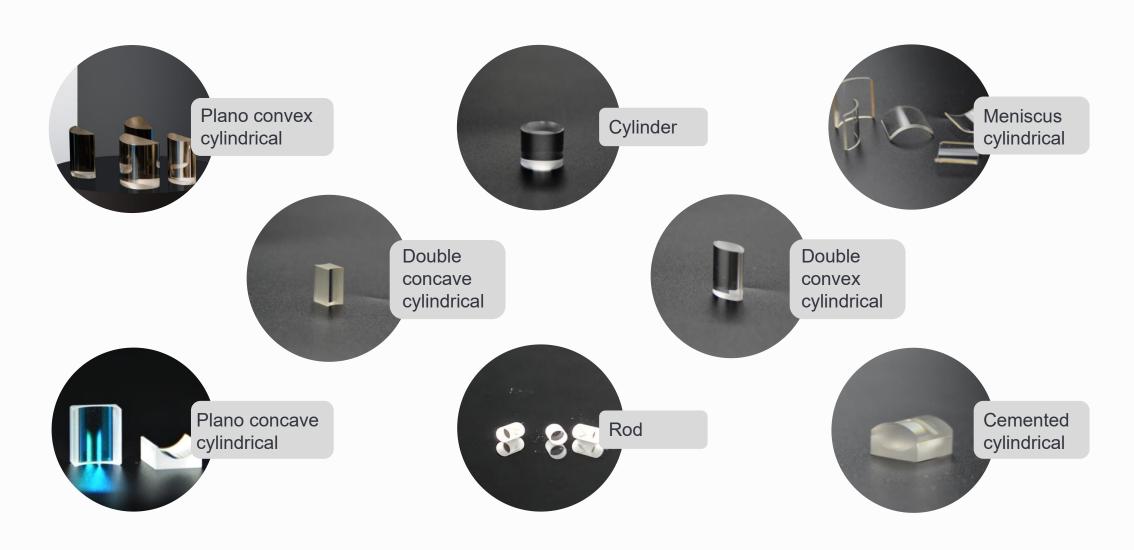




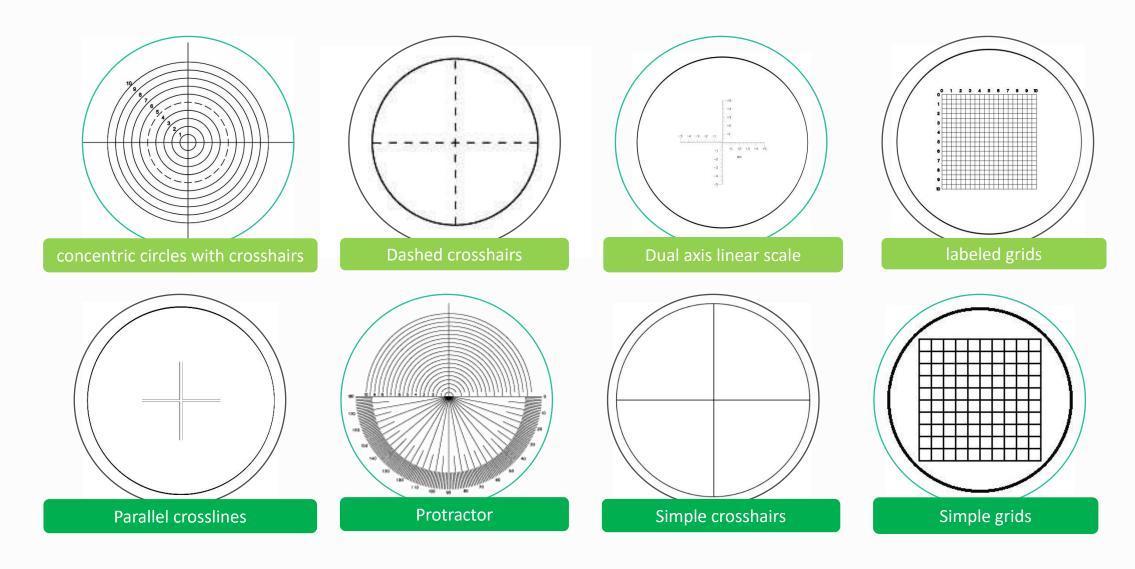
- ✓ High numerical aperture (NA) optical domes from ECOPTIK is produced
 with a high optical technology of optical grinding and polishing.
- An optical dome is essentially a window: two parallel surfaces, curved.

 The dome protects and isolates critical sensors and electronics from the environment with minimal disruption to the optical path.
- ✓ ECOPTIK Optical's domes are hemisphere, hyper-hemisphere with a customized design to respond to our customers need whether the material is visible, UV or IR. Our qualified engineers are confident with controlling a parallel surfaces tolerance of ±2μm.
- ECOPTIK Optical's domes are used in submersibles, underwater camera systems, defense technology, weather monitoring and optical imaging systems. Our domes are designed to withstand sea salt, spray, and other challenging environmental conditions, by applying Diamond-like coatings in order to improve its performance in the field.

Cylindrical lens



Reticles



Infrared optics





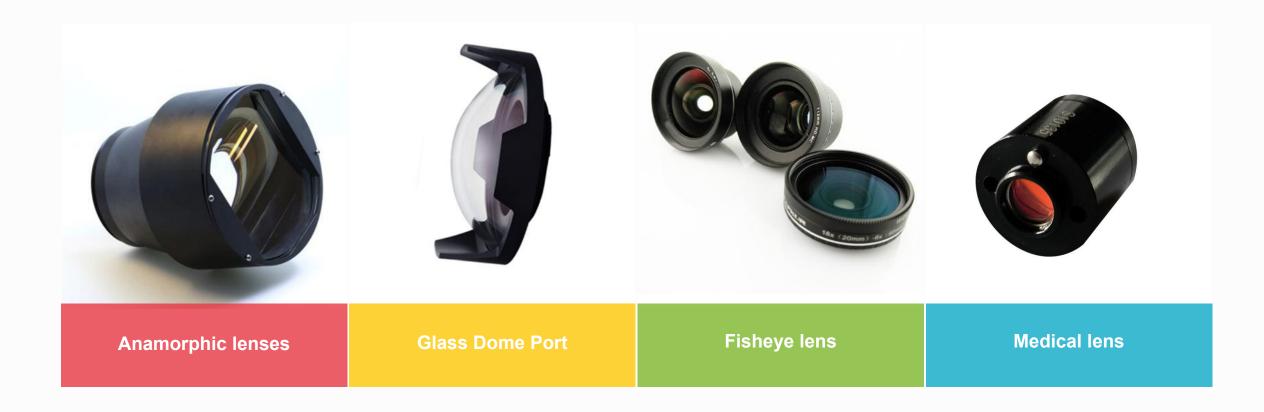




- Sapphire
- Germanium (Ge)
- Zinc selenide
- Silicon (Si)



Optical Assemblies

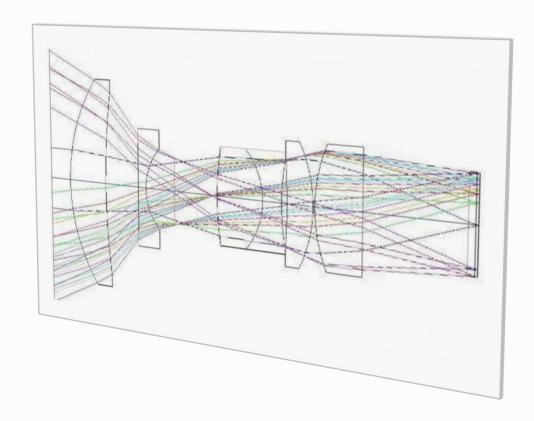


Our optical assemblies are manufactured according to our customers requirements

Optical Design service

Dome

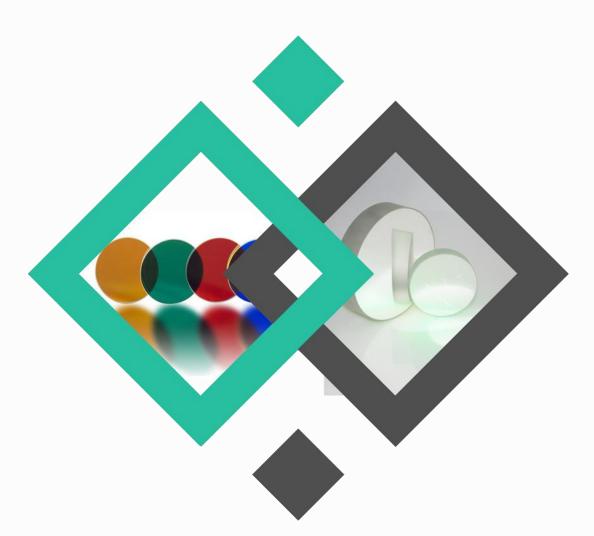
- ✓ ECOPTIK is not only an optical components manufacturer, but also a professional optical service designer.
- ✓ We provide a professional optical consultancy services including:
 - ✓ Imaging optical design (mobile lens, scanning lens, vehicle lens, monitoring lens, infrared lens, projection lens, other imaging optical system)
 - ✓ Lighting system design
 - ✓ Laser system design (laser system)
 - ✓ Laser rangefinder lens
 - ✓ Medical optical lens
 - √ Solar collector optical path design
 - ✓ Coating system design



Optical thin firm coating service

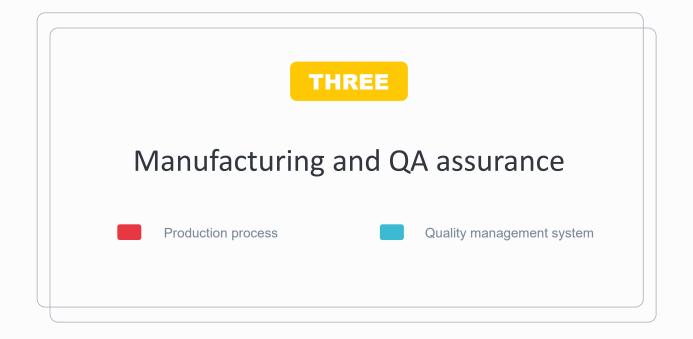
Filters

- Band pass filter
- Long pass filter
- Short pass filter
- Notch filter
- Neutral density filter
- Dichroic beam splitter

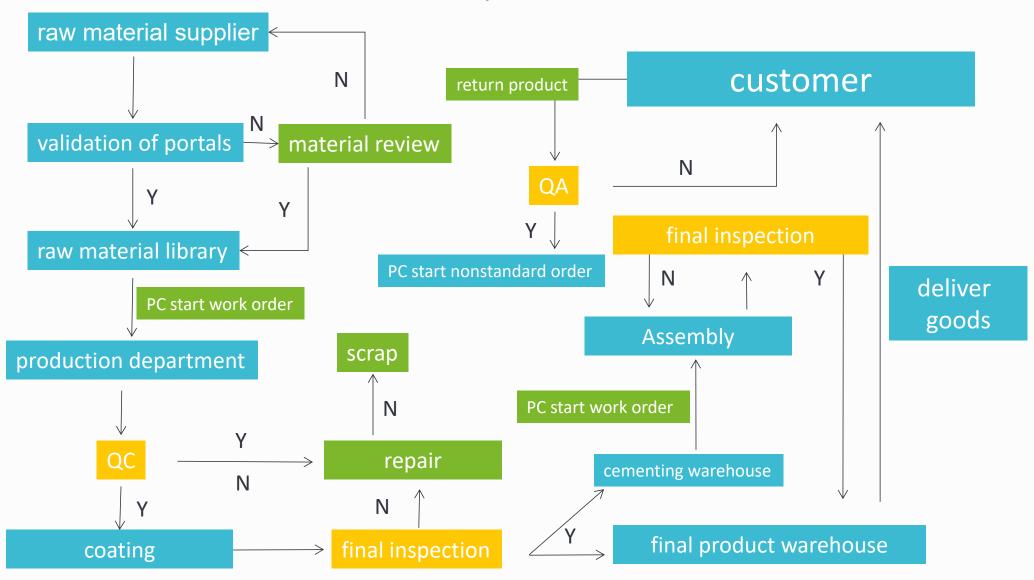


Coating Service

- Anti-Reflection Coating (AR)
- High Reflective Metal Coatings
- High Reflective Coatings
- Partial Reflective Coatings
- Beam Splitter coatings



NE THREE FOUR



Substrates





Grinding & Polishing







Cemented

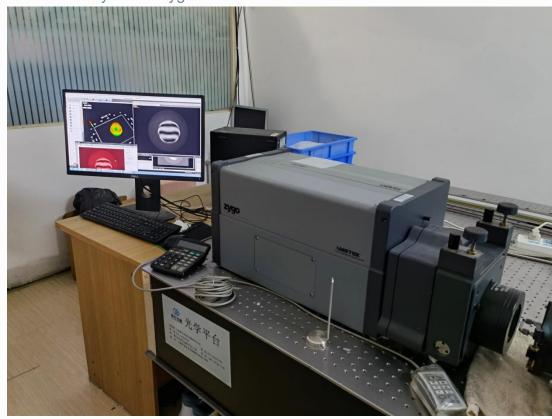




Coating



Surface Accuracy — Zygo Laser Interferometer



As we know ZYGO continues to maintain the leadership role in surface form metrology using laser interferometry. It main measure radius of curvature, surface fringe and transmission wave front distortion. Meanwhile, it can improve the accuracy and repeatability of the inspection process. Mainly for the flat surface, sphere, cylinder and so on.

Assuring the high surface accuracy, arrived λ/20

Dimension — Video Measuring Machine



Be able to measure the dimensions, angles and positions of various workpieces efficiently. The geometrical parameters of cutter, measuring tool and measuring tool.

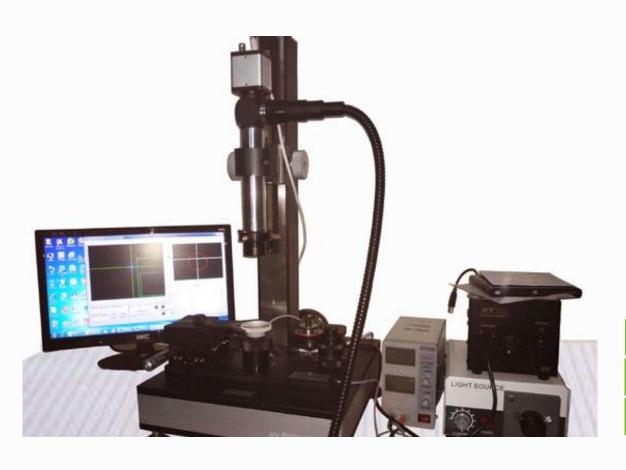
| Travel(mm)XxYxZ | 250x150x100 |
|------------------------|----------------------------|
| Measurement resolution | 0.5µm |
| Measurement accuracy | X,Y accuracy: (3+L/200) μm |
| Repeatability | 2µm |
| Optical magnification | 0.7x - 4.5x |
| Image magnification | 28x - 108x |

Centration / Radius — Opticentric



- Single lens center deviation measurement.
- Cemented lens center deviation measurement.
- Single lens curvature radius measurement.
- Cylindrical lens center deviation measurement.
- Adjustment of visible light optical system

Focal length — DIGITAL FOCOMETER



Main measure the focal length and centration. Automatic measurement, high efficiency of measurement; High accuracy, powerful function, wide range of measurement.

| | Effort Focal Length (EFL) | Centration |
|-----------------------|---------------------------|-------------|
| Measurement range(mm) | ±5 ~ ±450 | -450 ~ +450 |
| Measurement accuracy | 0.03% ~ 0.3% | 0.2µm |

Angle — Absolute Goniometer



Measuring all kinds of angles, more accurate than comparison goniometer, which is composed of self-aligning light tube, dial and reading head

Applications

- ✓ Any prism angle
- ✓ Optical wedge angle
- ✓ The parallelism of the plate
- ✓ Pentaprism angle
- √ 90° right angle prism



Coating — Spectrophotometer (UV-VIS-IR)



Main application fields: spectral performance research and content determination in ultraviolet/visible/near-red/external spectral region suitable for various materials, polymers, petrochemical products, medicines, tobacco, food and crops, etc.

The key technical indexes

| | U-4100 Solid sample testing system |
|---------------------------------|------------------------------------|
| Spectroscopic system | Prism-grating |
| Sample compartment | Standard |
| Identification wavelength range | 240-2600nm |
| Detector | Standard integrating sphere |

It is very suitable for transmission, reflection and diffuse reflection measurement of solid samples. Different test accessories may be selected for different test purposes, and rich accessories can make the system meet the work requirements better.

| | U-4100 Liquid sample testing system | |
|---------------------------------|---|--|
| Spectroscopic system | Prism-grating | |
| Sample compartment | 10mm angle liquid pool | |
| Identification wavelength range | 185-3300nm | |
| Detector | Photomultiplier tube (UV-VIS) and cold PbS(NIR) | |

Used for measuring absorbance of liquid samples. The measure wavelength range is widened by directly inject that light beam into the detector. A standard 10mm angle liquid cell is equipped to measure the transmittance and absorbance of liquid samples. Integral sphere accessories can also be used for testing solid samples.

Quality inspection

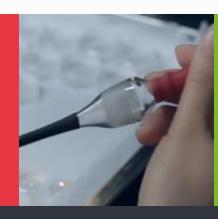




Inspection:

We use a S/D master

Optics are examined in T% with a 60W bulb on a black background



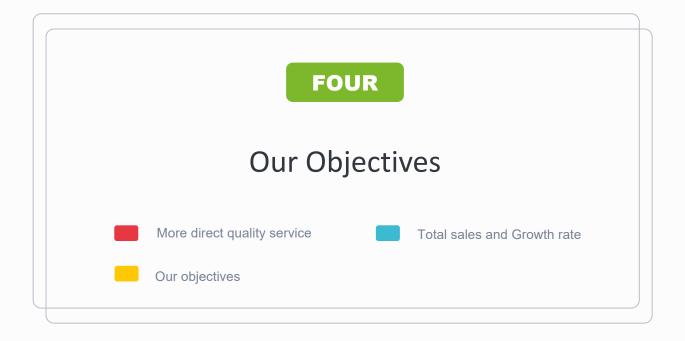
Packaging:

Available to suit your need

Cleaning

Dust free cloths, Pick-Up Tools, Tweezers, Compressed Air, designed to remove residue or debris from an optical component without the risk of damaging its surface.

Variety of cleaning products and cleaning methods depending upon the type of optic to be cleaned and the nature of the care needed.



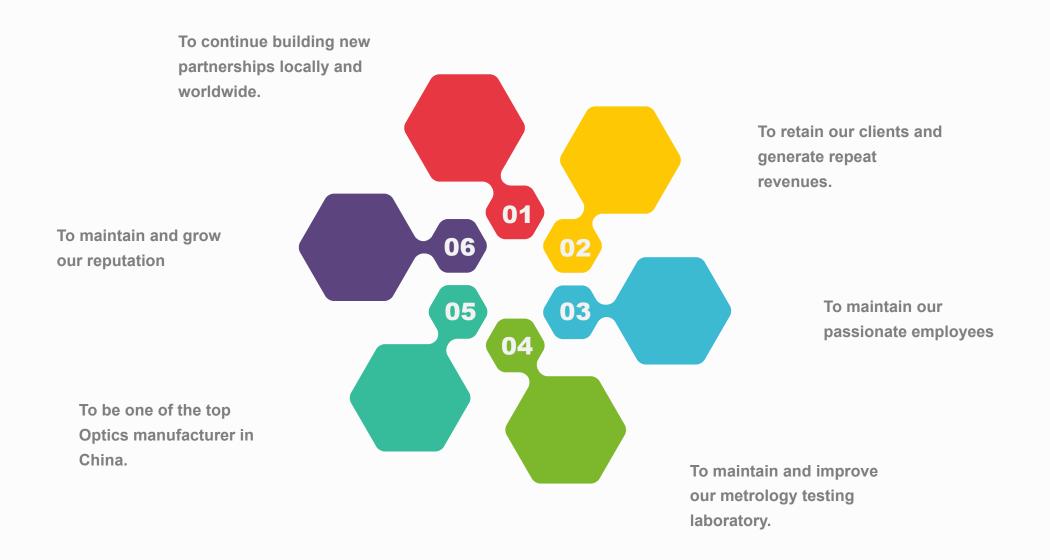
More direct quality service

Why ECOPTIK?

- We are manufacturer and not only distributor So your are in direct contact with the production.
- We have the top technology machines for manufacturing and metrology inspection to insure your components are to specification.
- We have highly qualified employees from sales engineers, production, to final inspection.
- We have ECOPTIK LTD In Hungry with Multilingual Sales Engineer to insure a better service for the European and USA Market.
- We have 10 years expertise in our products working with: Medical, Laser, Commercial, Military, Research institution, Engineering and industrial Manufacturing, and others ...
- We stock our customer's optics to help them manage their stock level



Our objectives





THANK YOU

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