



DAYOPTICS

**Manufacturer of high-power precision
optics, assemblies, and devices**



About DayOptics

Key facts and figures.

Organization Layout



Sales Office—Utah, USA

USA Branch

3 employees



HO—Changsha, Hunan

Hunan Dayoptics, Inc.

Headquarters base with 400 employees.
20000 m² factory, production of high-power optics, lens assembly and laser devices

US Office



BO—Fuzhou, Fujian

Fujian Dayoptics, Inc.

Subsidiary base with 200 employees
10000 m² factory, production of optical components and crystals



R&D Center—Changsha/Wuxi

Changsha Branch and Wuxi Branch

60 employees



Sales&Marketing Center-Changsha

Customer Service and Brand Station

40 employees

Teams



Headquarters: Changsha



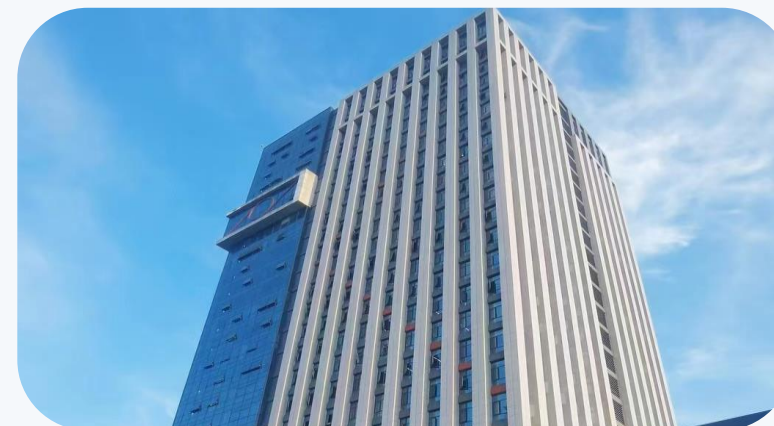
400+
Employees

Subsidiary: Fuzhou



200+
Employees

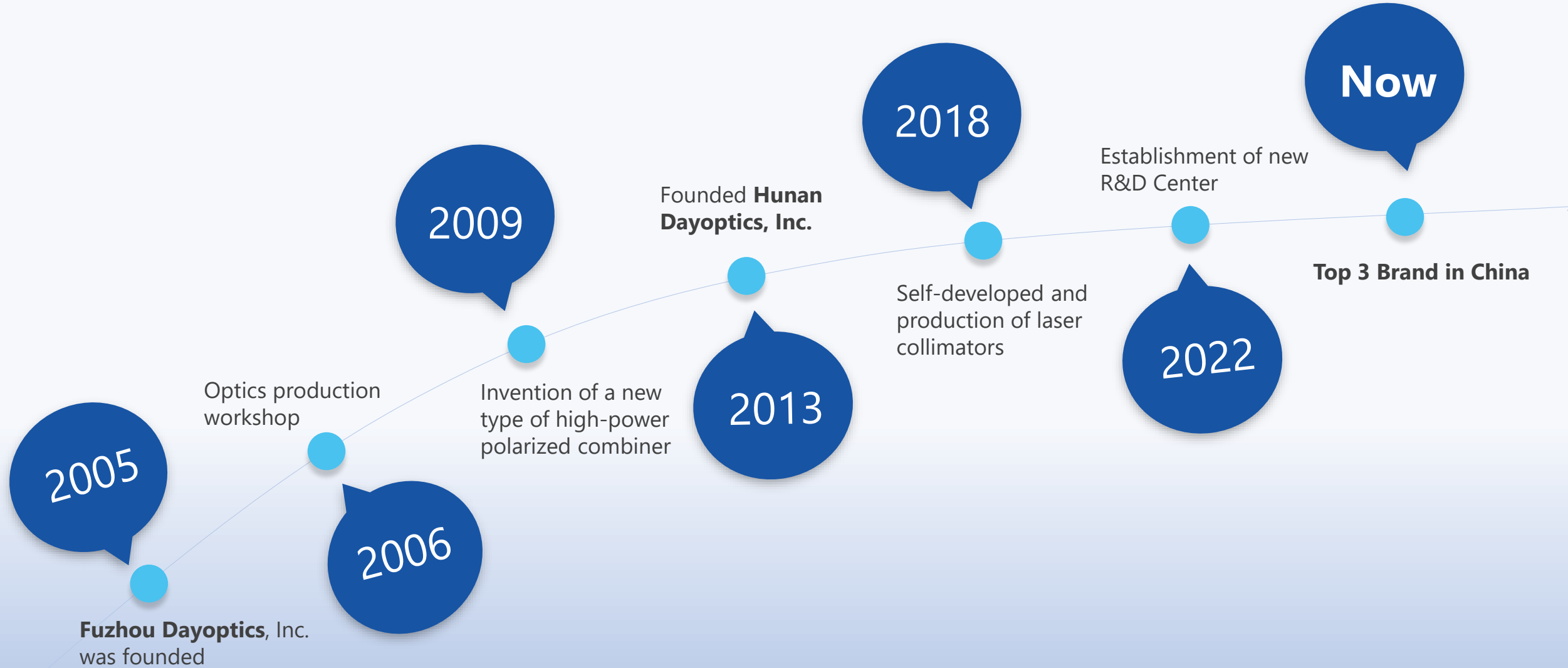
Changsha & Wuxi R&D Center



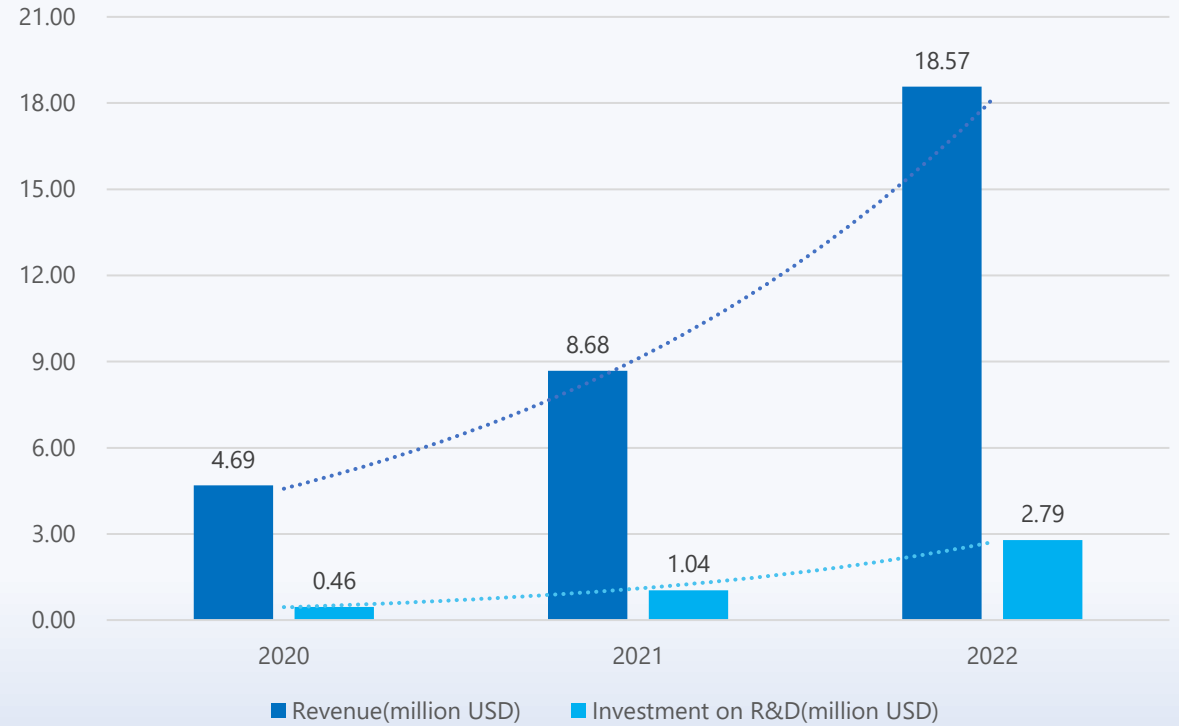
60+
Employees

Over 600+ employees worldwide

Developing History



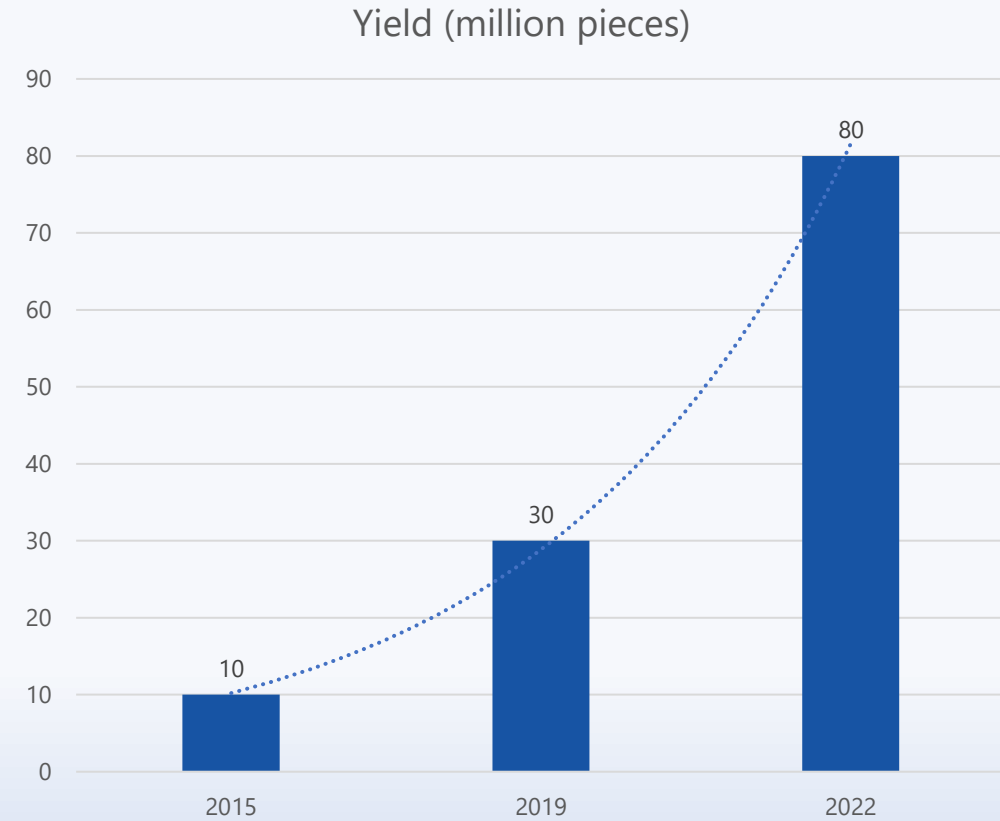
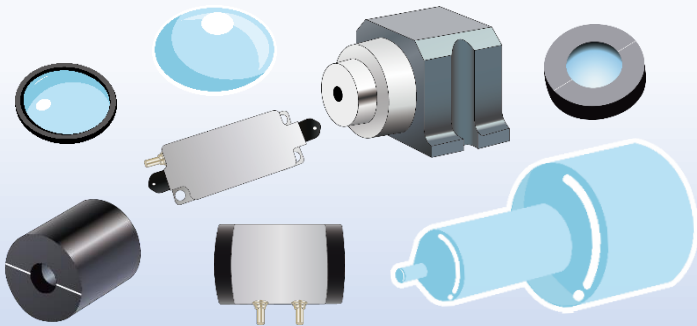
Revenues and R&D in 3 years



From 2020 to 2022, investment on R&D reached 4.29 million USD total

Yield Capacities

- **20% increase** in yield per year
- 2023 will be **surpassed 100 million**



Capabilities

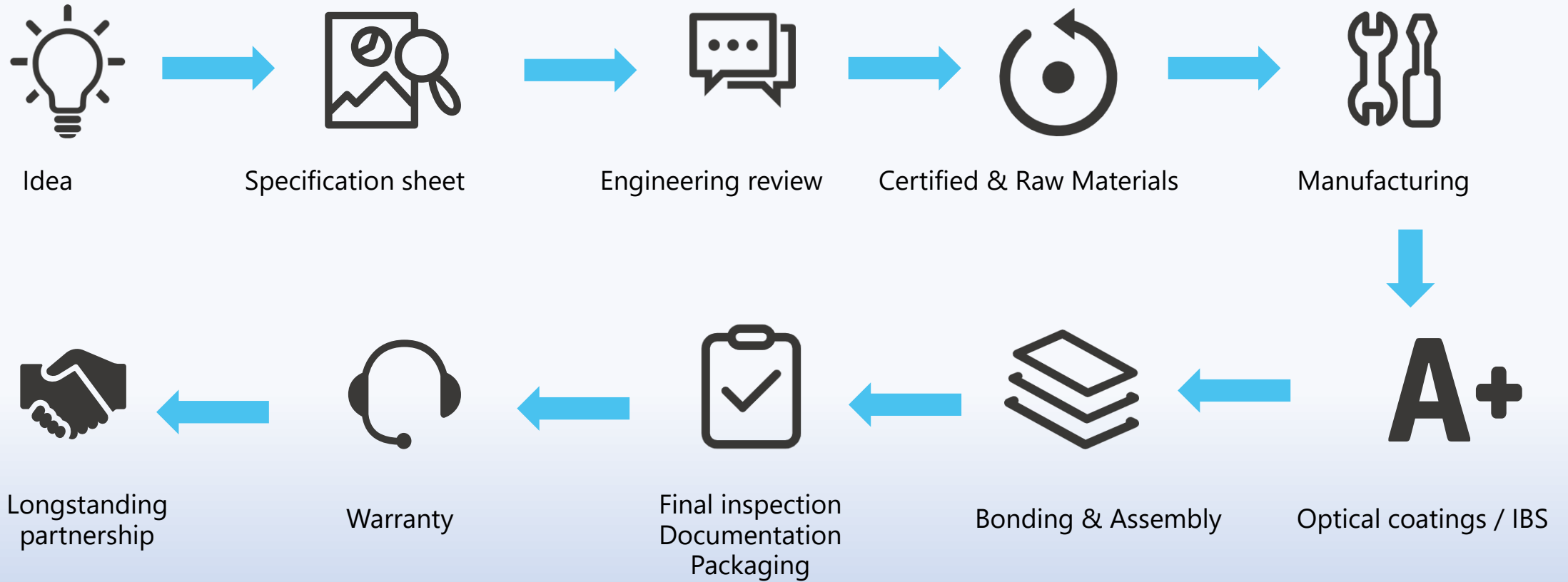
Bring your idea to life.

Our Capabilities

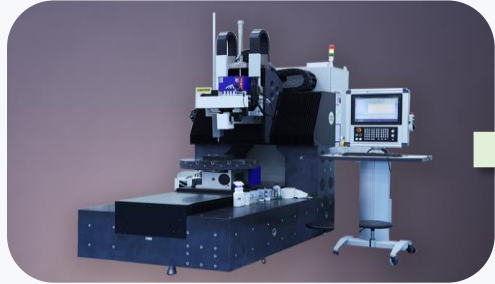


- **Design and development of prototypes**
- **Manufacture and system integration in house**
- **Servicing and product lifecycle management**
- **Requirement review and specification of details**

Our Capabilities



Manufacture and system integration



Cutting



Shaping



Grinding



Polishing



Packaging



Q&C



Cleaning



Bonding & Coating

Coating Capabilities



Application: from the prototype stage to **cost-effective series production**.

Wavelength: deep ultraviolet (DUV) to far infrared (FIR).

01

Standardized Optical Coating
Coatings for Laser Optics
IBS, PVD, MS, EBI coating

02

AR Coating
HR Coating

03

Bandpass filters
Dichroic splitters

04

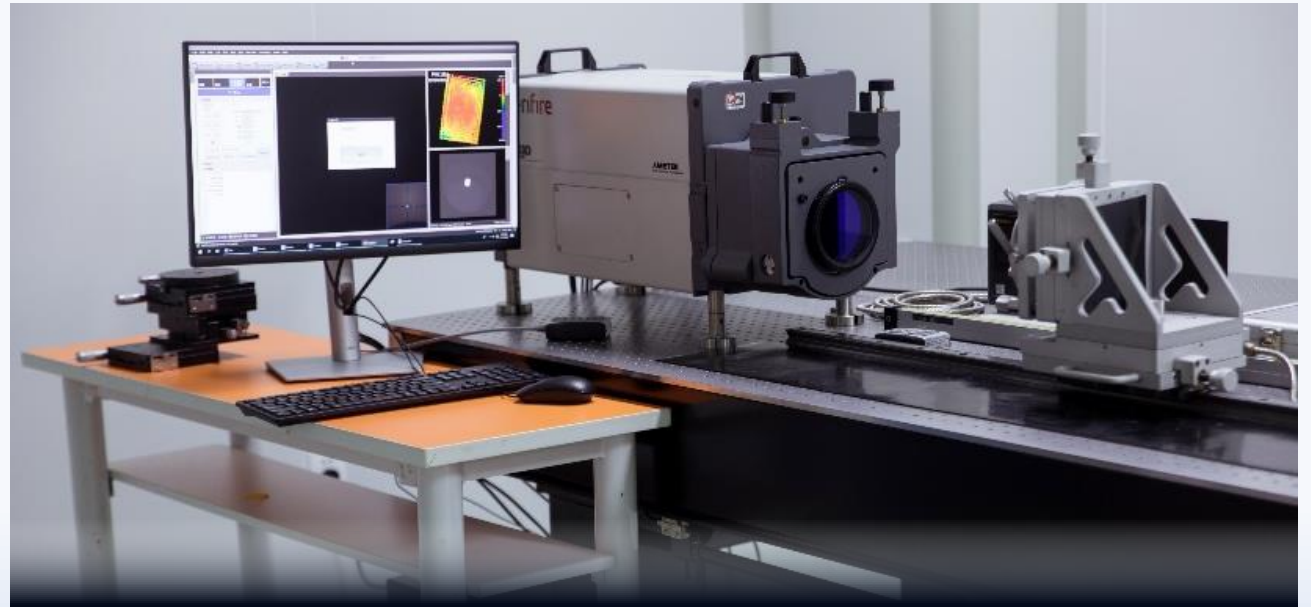
Polarizing beamsplitter
coating
Infrared Optics coating
Metallic coating

- **Semiconductor industry**
- **Health care and life sciences**
- **Lighting and energy**
- **Automotive industry**
- **Digital imaging**

Inspection Capabilities-Optical Components

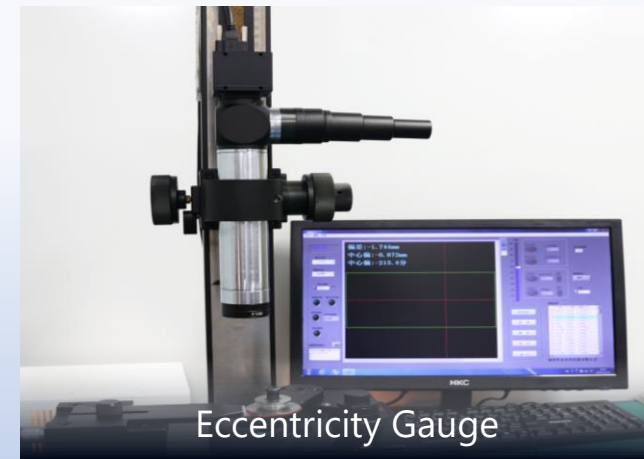
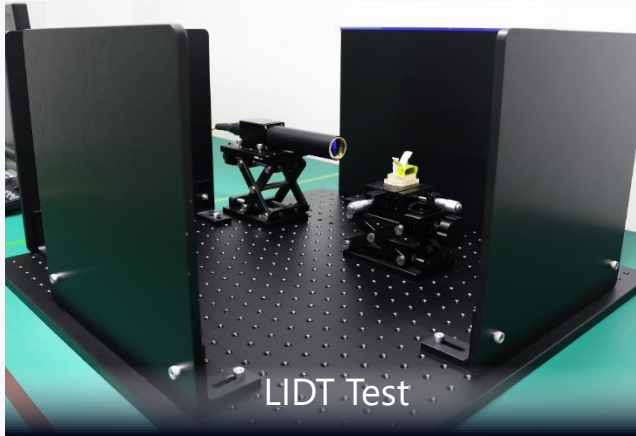


Absorption Measurement



ZYGO Interferometer

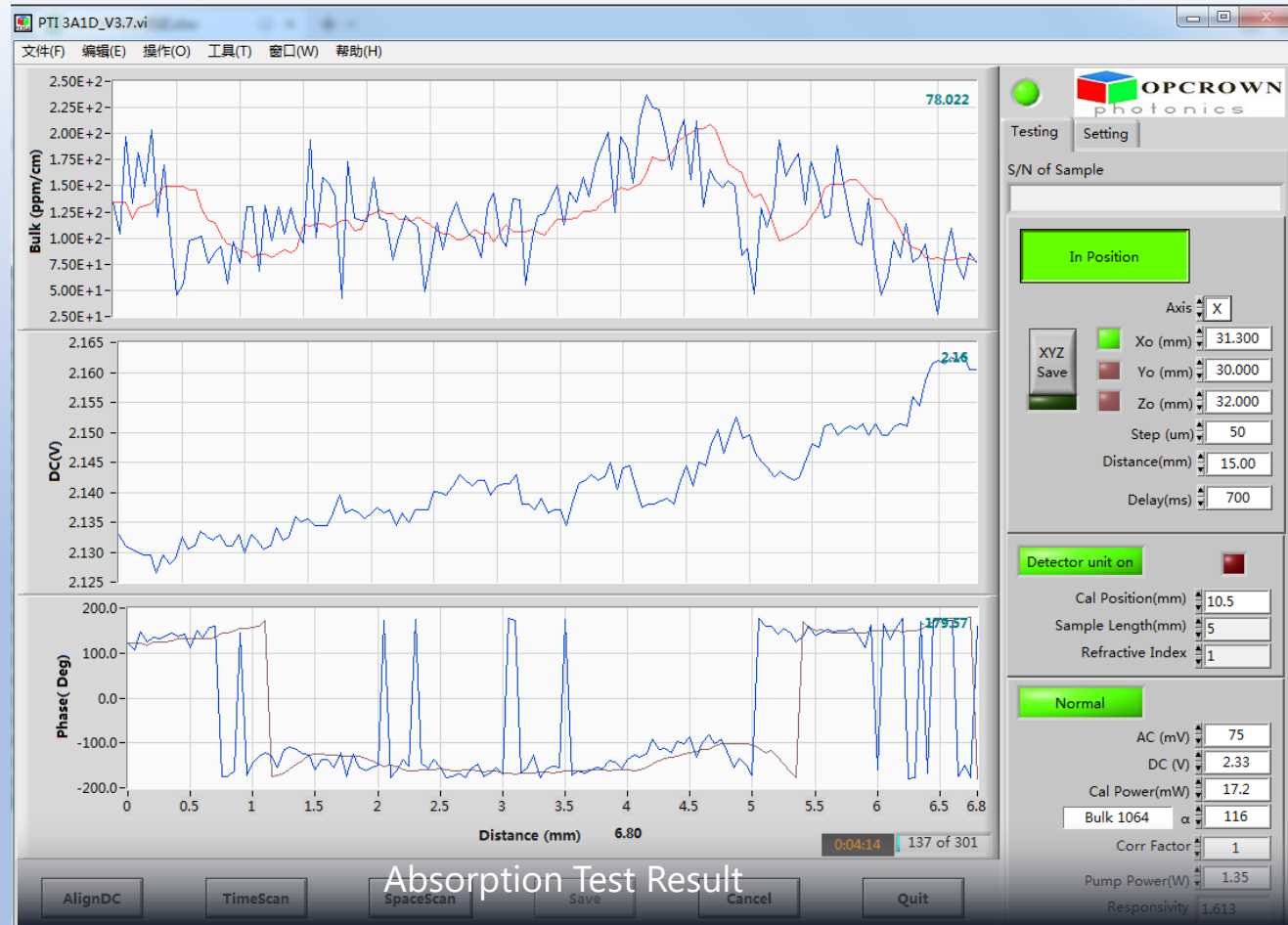
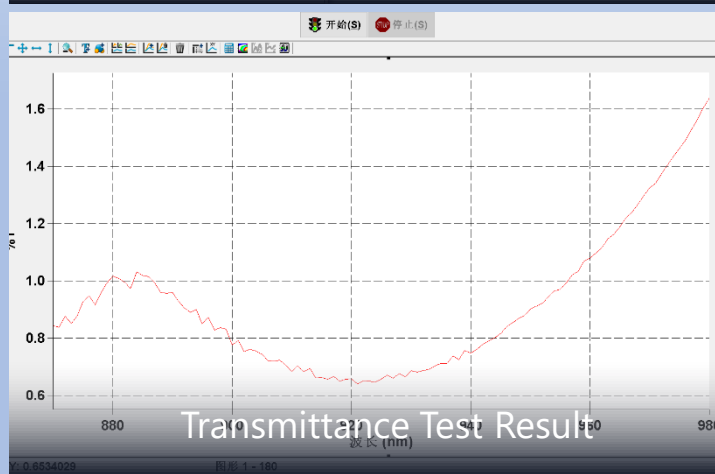
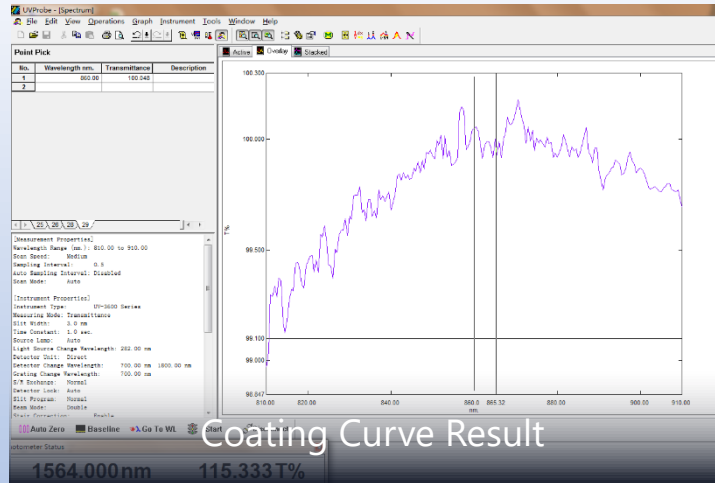
Inspection Capabilities-Optical Components



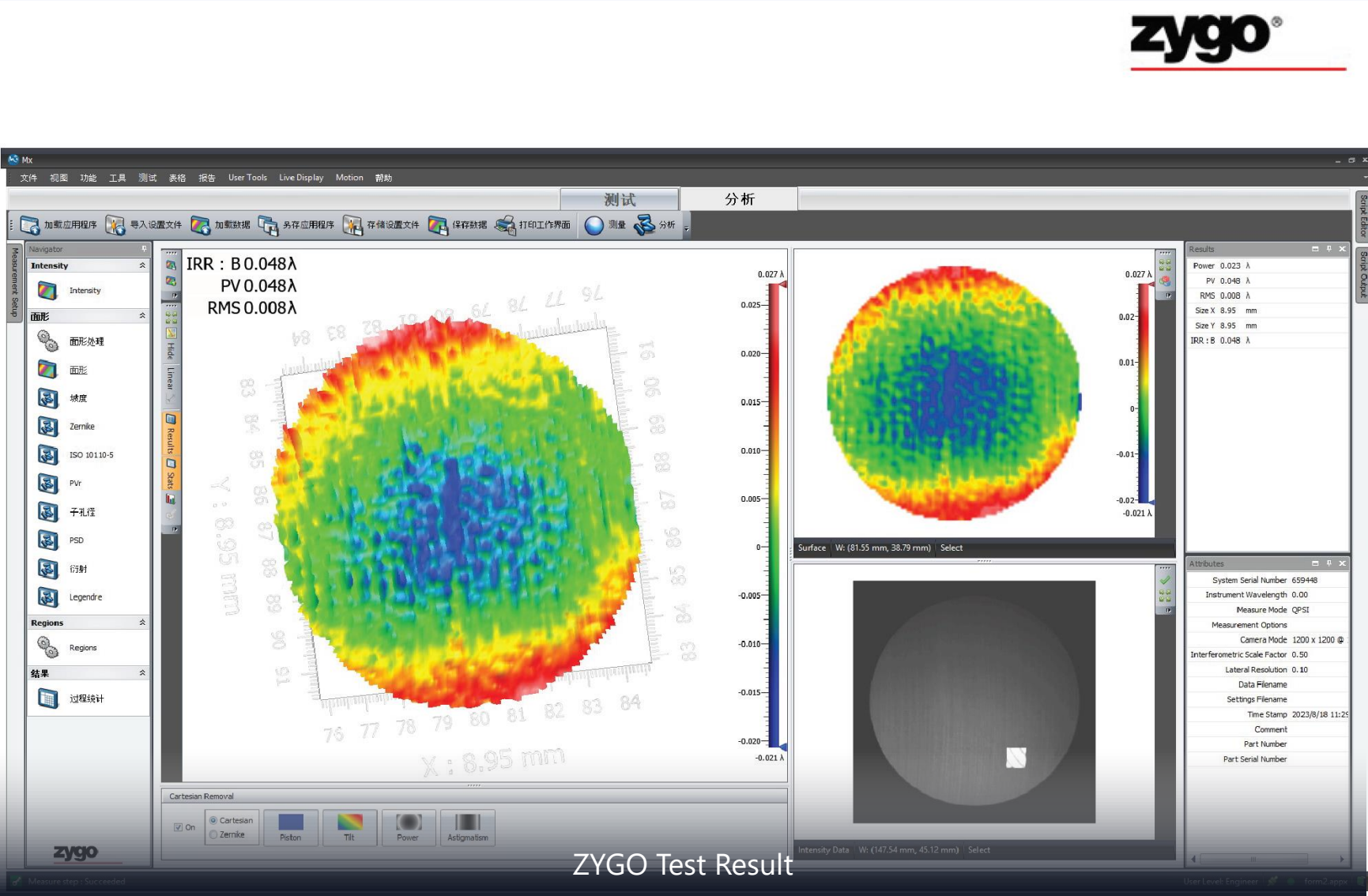
Inspection Capabilities-Optical Device



Inspection Capabilities

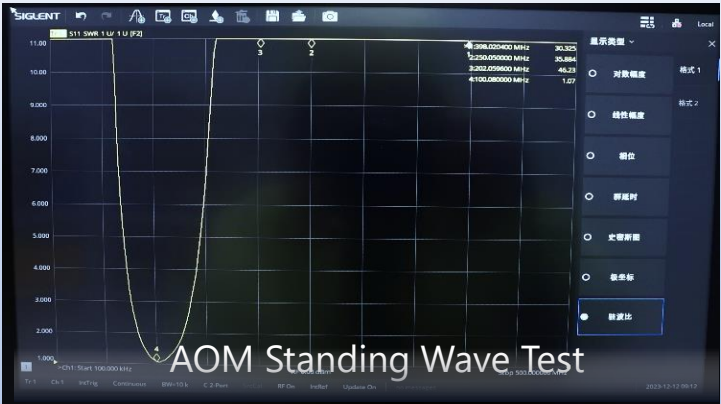
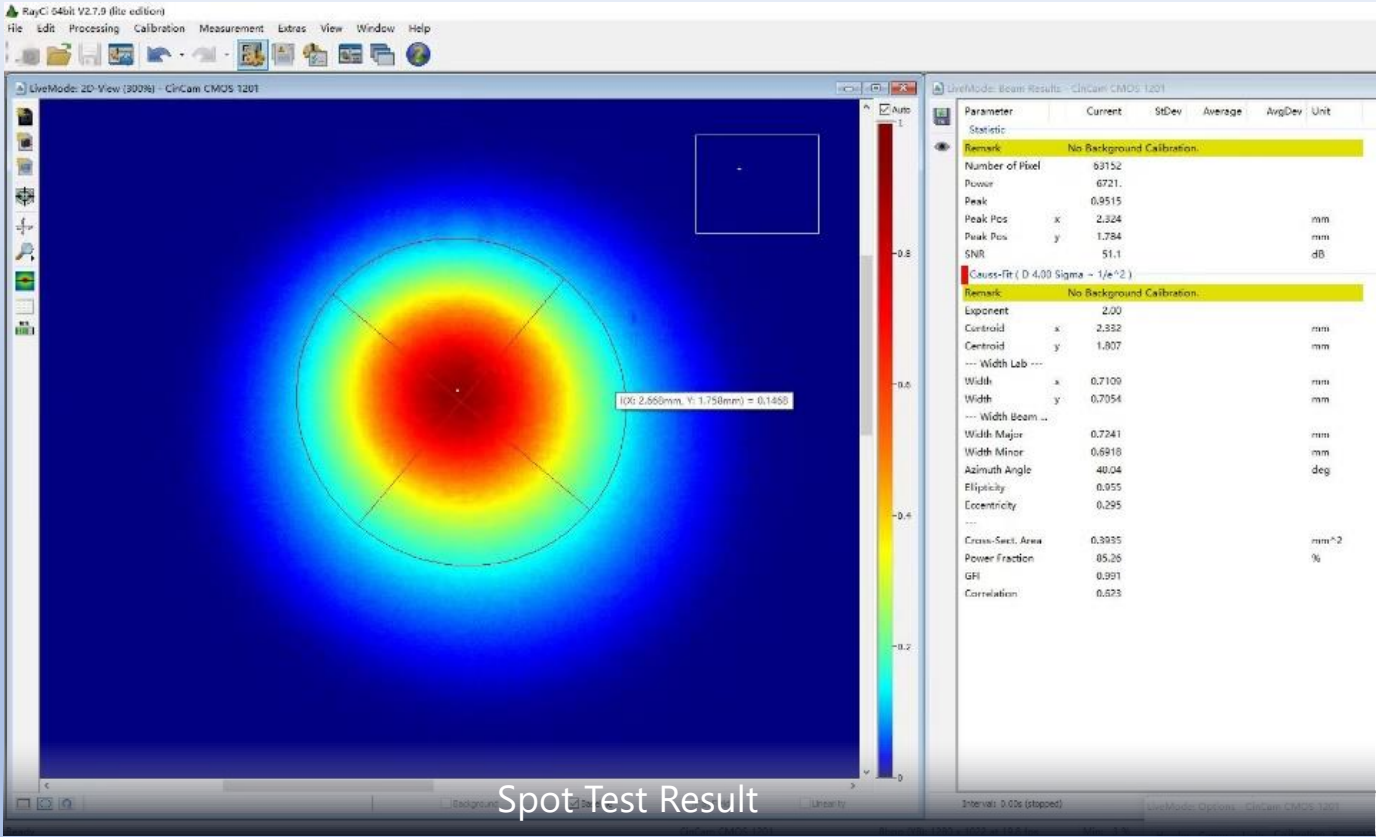


Inspection Capabilities

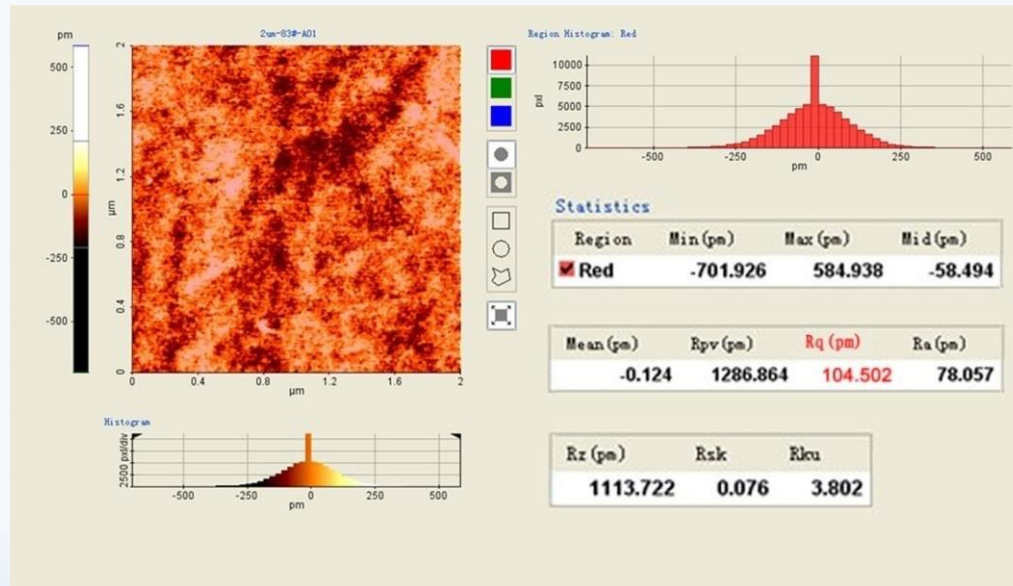


ZYGO Test Result

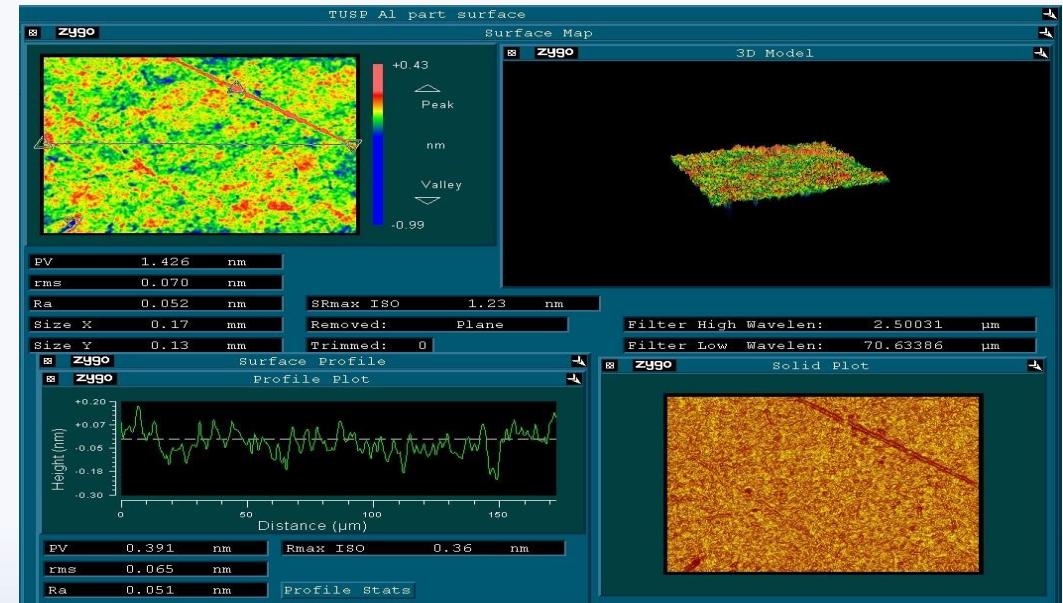
Inspection Capabilities



Inspection Capabilities

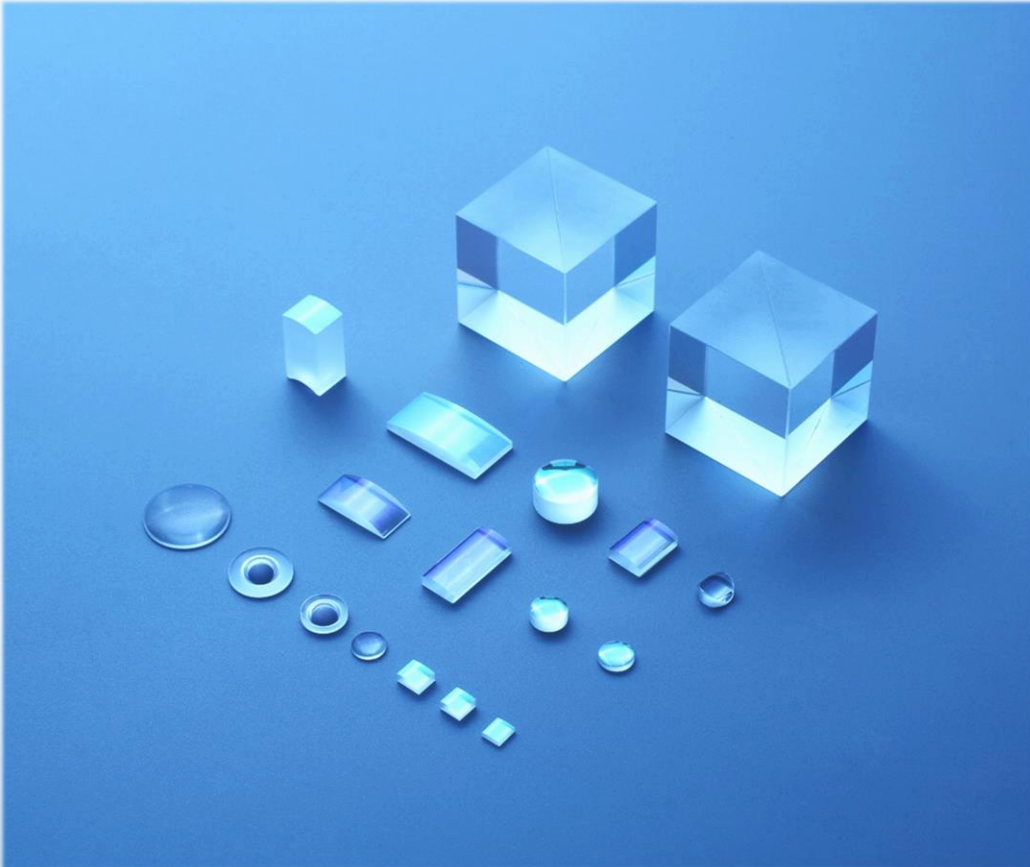


Customer testing:
surface roughness **0.104nm** (AFM)



Customer testing:
surface roughness **0.07nm** (ZYGO)

Processing Capabilities



Materials: optical glass, Fused Silica, crystals such as calcium fluoride, magnesium fluoride, germanium and silicon, and special materials

Wavelength: deep ultraviolet (DUV) to far infrared (FIR).



Surface roughness less than 0.3 nm



Flatness $\lambda/10$



Reflectivity > **99.95%** LIDT > **8000W/cm²**



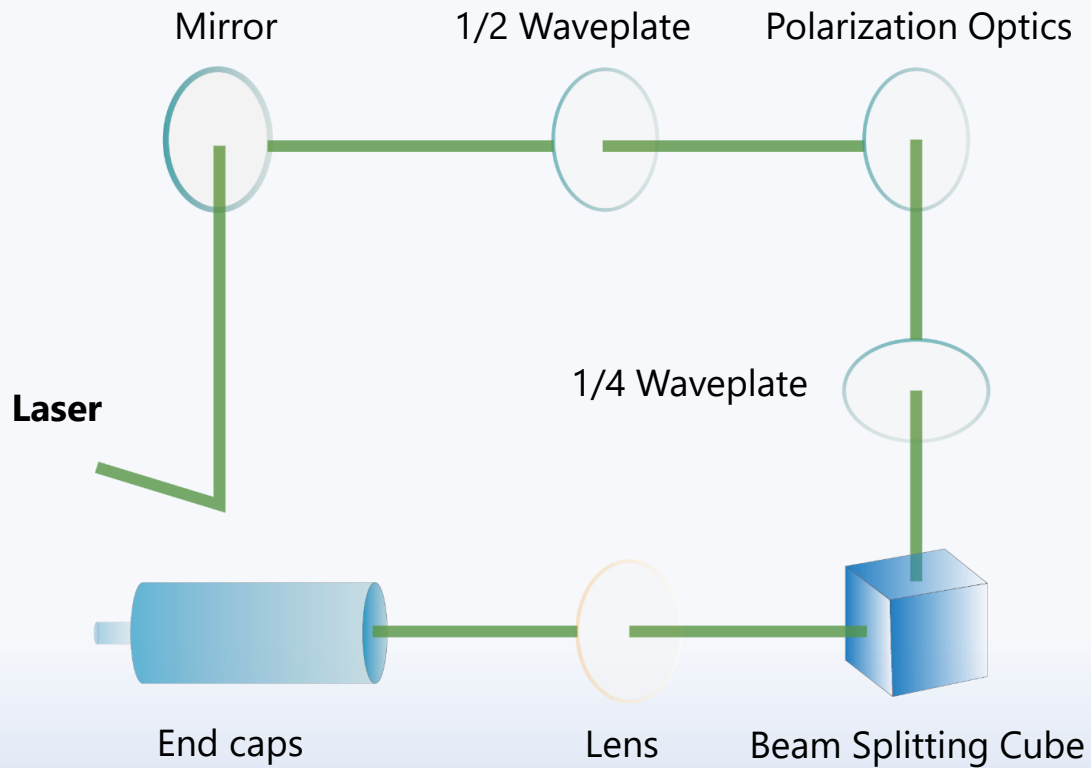
Surface Quality 5-0



Solutions

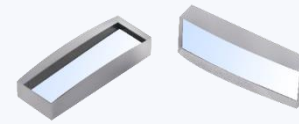
High-quality and innovative.

Featured Products—Optics Components



Application: Fiber Lasers, Diode Lasers,
Solid State Lasers

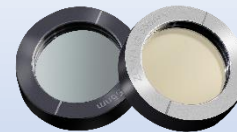
Cylindrical Lens



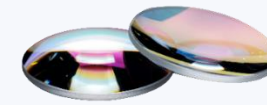
Window



Waveplate



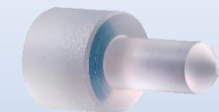
Spherical Lens



PBS



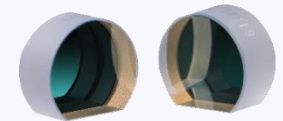
Fiber End Cap



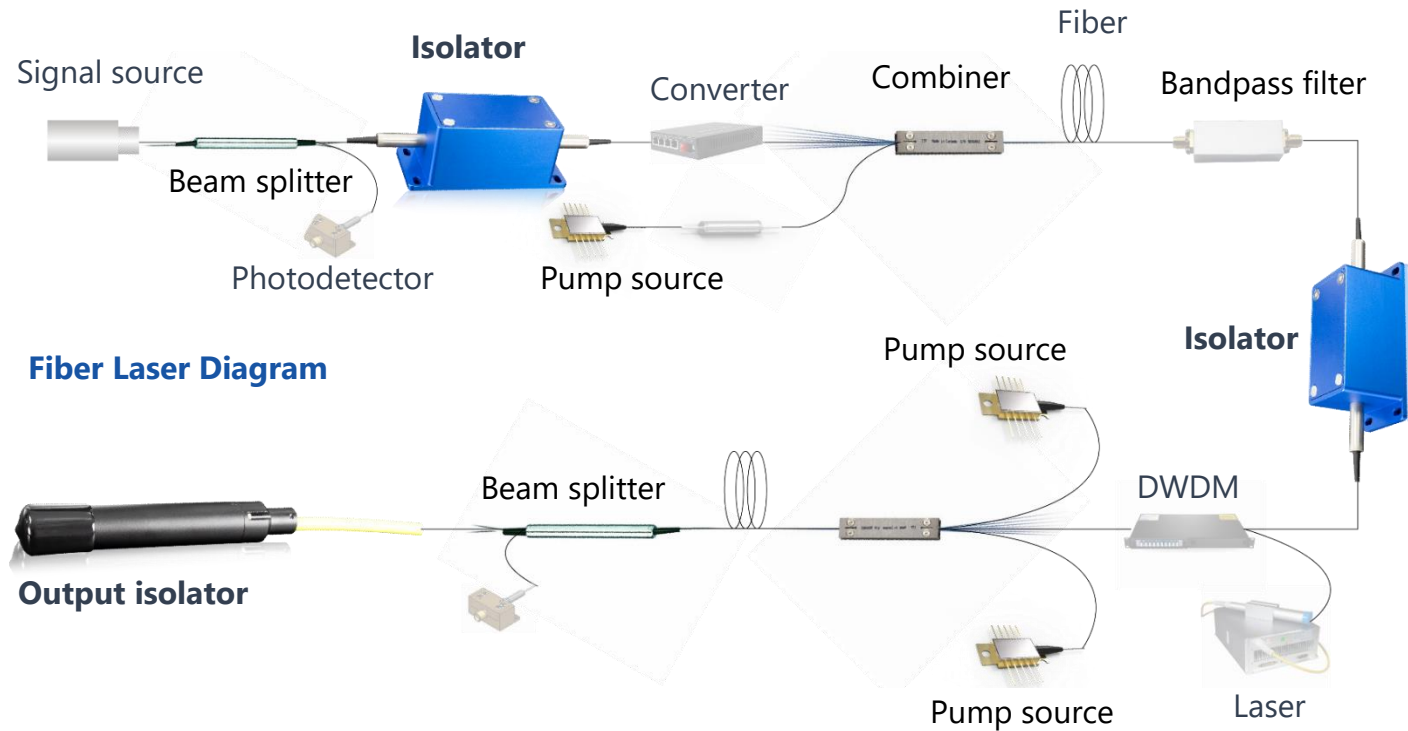
Filter



Mirror



Featured Products—Optical Devices

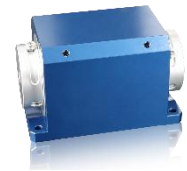


Application: Industrial lasers
Ultrafast lasers
OCT
Medical devices
Lidar and sensing

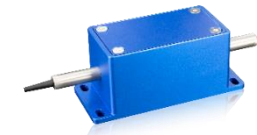
Optical Circulator



Free Space Isolators



Online Isolators



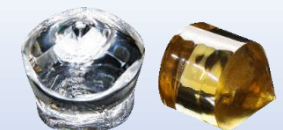
Optical fiber Acousto-optic modulator



Q-Switch



CRYSTAL



Featured Products—Optical Devices

UV F-theta Lens



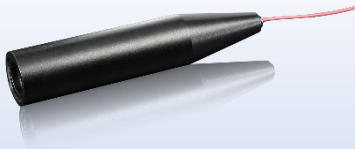
IR F-theta Lens



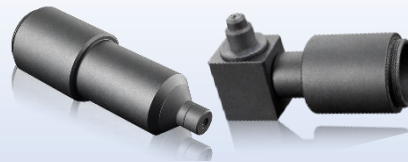
Variable Beam Expanders



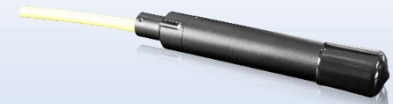
QCS



Integrated Microscope Lens

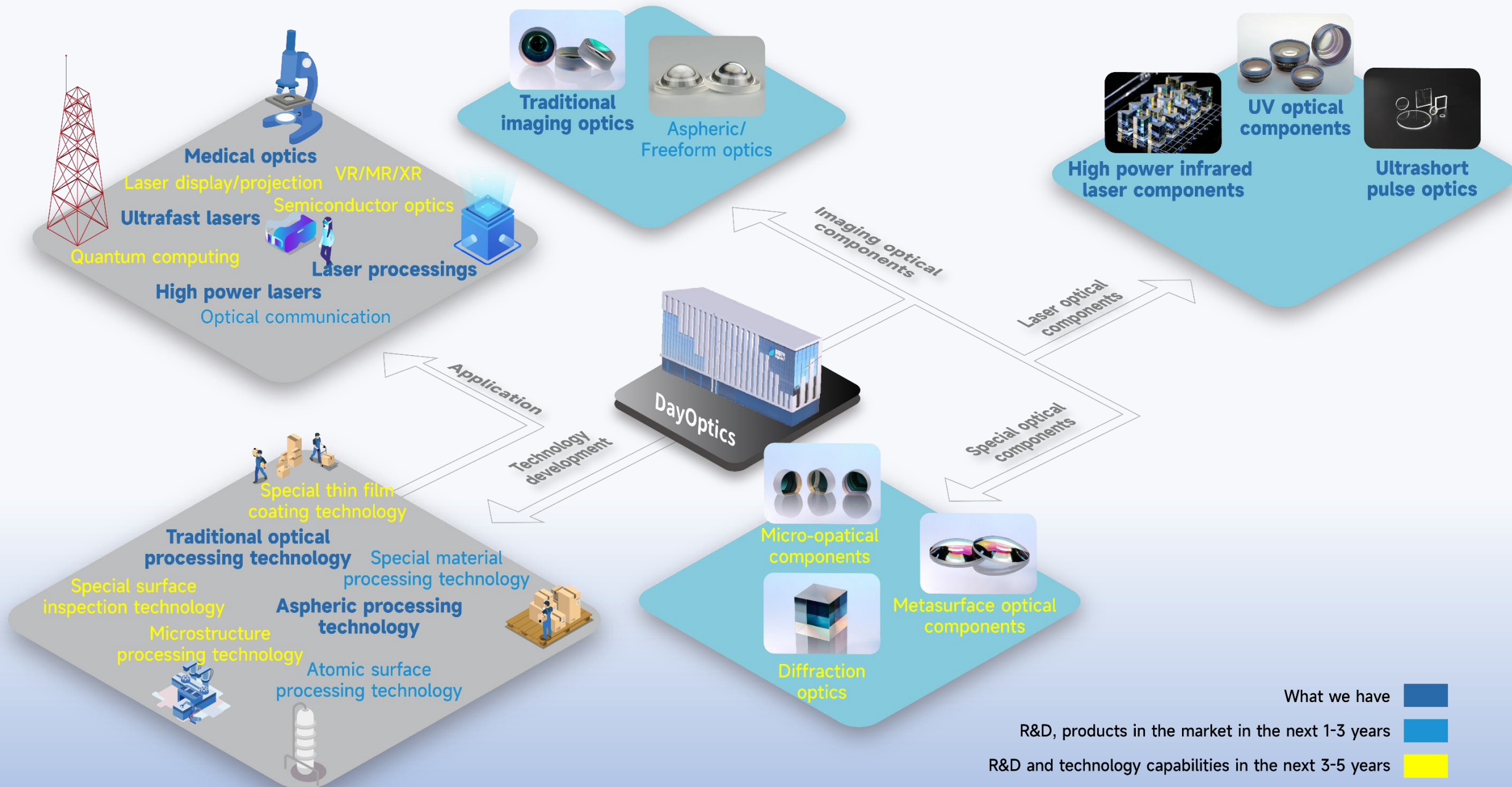


Output Isolator

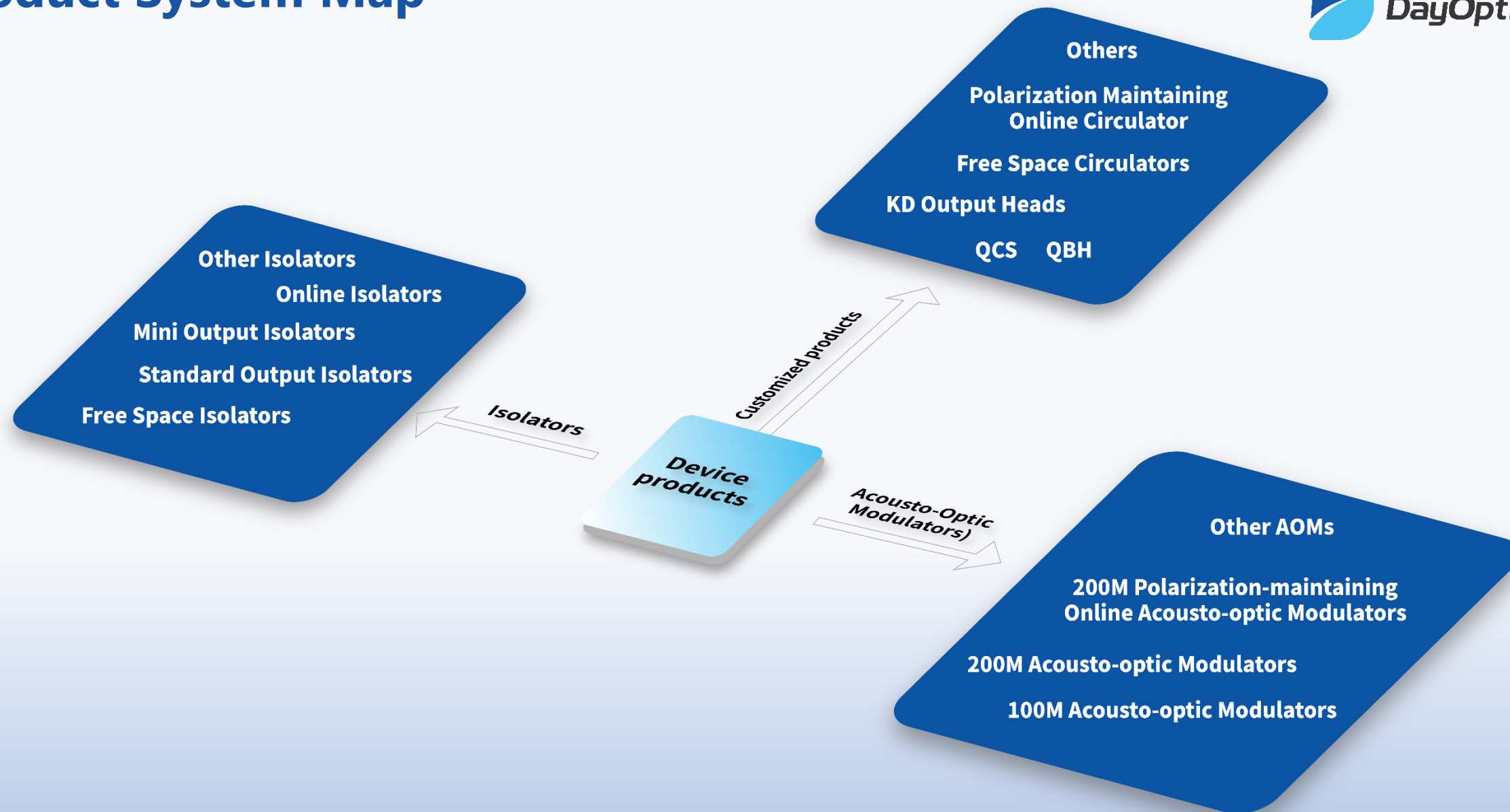


Application: Laser Marking
PV Solar and Energy
Medical

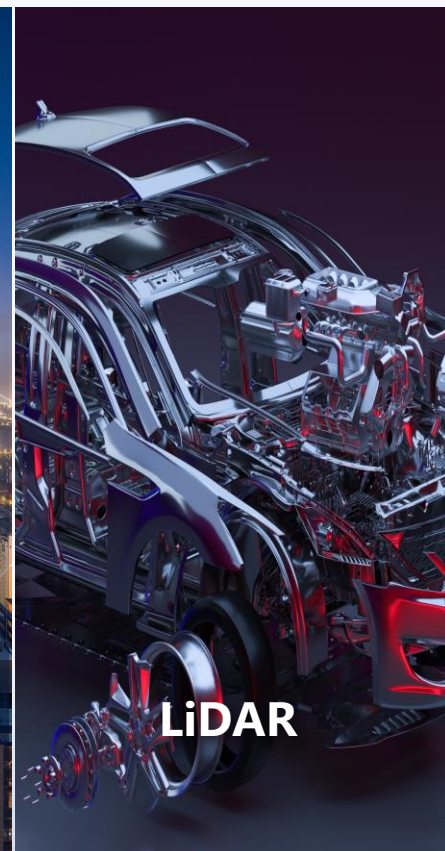
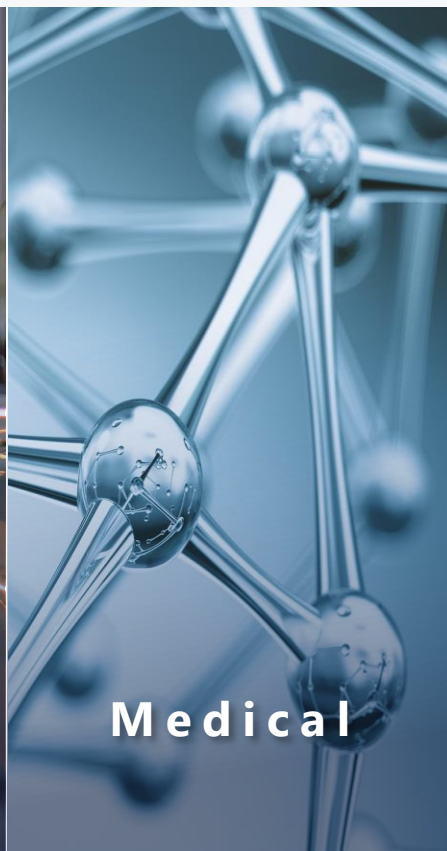
Product System Map



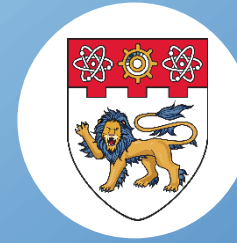
Product System Map



Fields of Application



Cooperative Partner



Imperial College
London



UNIVERSITY OF
CAMBRIDGE

nLIGHT

EO Edmund
optics | worldwide

mks

THORLABS

COHERENT

Raycus

EVERBRIGHT

舜宇光学科技
SUNNY OPTICAL TECHNOLOGY

Durham
University

大族激光
HAN'S LASER

MAX 创鑫激光

bwt 凯普林

Global Influence



Products delivered to more than 200+ countries worldwide

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