

# Focuslight Corporate Overview

© Focuslight Technologies Inc.

2025-03

# Focuslight Overview

- Founded in 2007 by Dr. Victor X. Liu, headquartered in Xi'an, China.
- A fast-growing company that develops and manufactures:
  - **High-power diode laser components and materials** (Photon Generation)
  - **Laser optics components** (Photon Control)
  - **Photonics module and system solutions** (Application Solutions) focusing on optical communication, automotive, pan-semiconductor, and medical and health applications.
- A **global photonics foundry** offering process development and manufacturing services to the global photonics community.
- Publicly listed in the Shanghai Stock Exchange (Ticker Symbol: 688167).

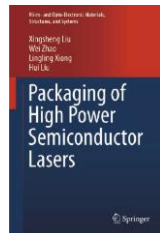


# Milestones



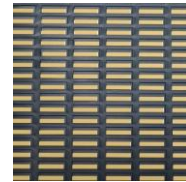
**2007**

Founding of  
Focuslight



**2013**

World's first  
monograph on  
packaging of  
HPDL published



**2017**

Technology  
breakthrough of gold-  
tin film deposition



**2018**

UV-L750 Ultraviolet  
Line Laser System  
won Prism Award



**2017**

Acquisition of LIMO;  
Started providing photon control and  
photonics application solutions



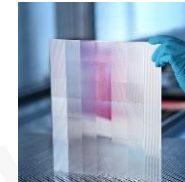
**2019**

Automotive LiDAR  
transmitter project  
awarded from  
international Tier 1



**2018**

Dongguan delivery  
and high-volume  
manufacturing center  
officially in operation



**2019**

Production of micro-  
optics on world's  
largest glass wafer  
(300 x 300 mm<sup>2</sup>)



**2019**

Global branding  
identity upgrade



**2023**

Line Beam LiDAR  
Transmitter  
Module awarded  
nomination from  
European Tier 1

**IPO**

**2021**

Successful IPO  
at Shanghai  
Stock Market



**2024**

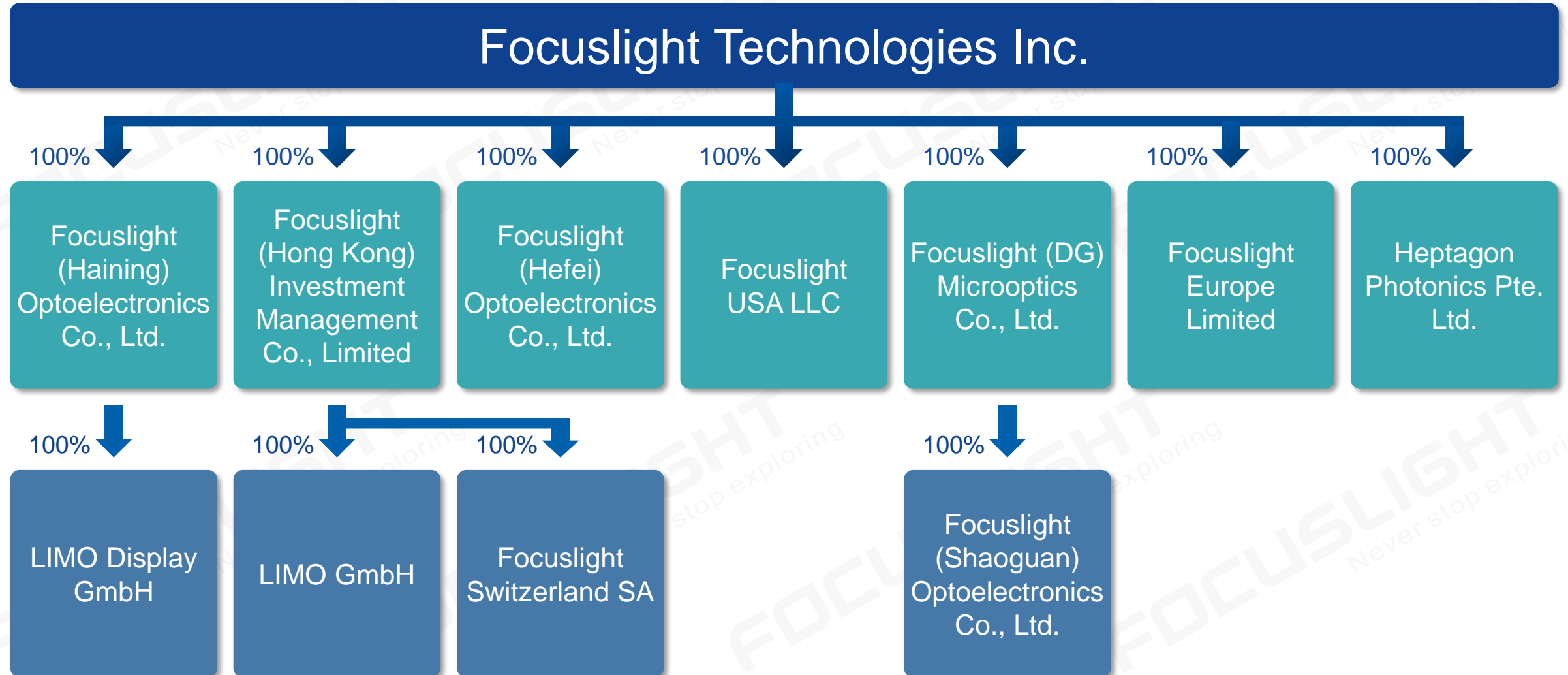
Acquisition of  
SUSS MicroOptics



**2024**

Acquisition of ams  
OSRAM's optical  
component assets;  
Adopt Heptagon  
brand for global  
photonics foundry  
services

# Focuslight Corporate and Subsidiaries



# Focuslight Global Operations System

Leverage the strengths and capabilities of each location to **cater to specific customer demands** and **optimize operational efficiency**.

Through centralized decision-making, integrated operations, and lean management, a **high-efficiency, low-cost global operations system** is established.



**Neuchâtel, Switzerland**  
Operations Center



**Dortmund, Germany**  
Operations Center



**Xi'an, China**  
Focuslight HQ, Operations Center



**Haining, China**  
**Hefei, China**  
Operations Center  
(being constructed)



**Silicon Valley, USA**  
Innovation Lab



**Zurich, Switzerland**  
R&D Office



**Ang Mo Kio (AMK), Singapore**  
Operations Center  
Business Center

**Other Southeast Asian regions** (to be decided)  
Photonics Foundry



**Shaoguan, China**  
Operations Center



**Dongguan, China**  
Operations Center



# Key Facts & Figures



Employees

>900



Yearly Revenue Proportion  
Invested into R&D

~16%



Yearly Revenue  
(2023\*)

**561M** RMB



Patents Valid  
Worldwide

>610



Facility Worldwide

>48,000m<sup>2</sup>

Clean Room Worldwide

>14,000m<sup>2</sup>



ISO 9001  
ISO 14001  
ISO 45001  
IATF 16949  
Certified

*\*2024 annual result is to be released at the end of April 2025*

# Corporate Management Team

 <p><b>Dr. Xingsheng Liu (Victor)</b> Chairman, CEO</p> <p>Research and management experience in the US, with 100+ publications, 300+ patents, 30+ invited papers internationally</p> <p>Committee Member of SPIE and IEEE</p> <p><b>CORNING</b> <b>COHERENT</b> <b>nLIGHT</b></p>	 <p><b>Dr. Chung-En Zah</b> CTO</p> <p>30+ years of research experience in the US, with 300+ publications, 50+ patents in optoelectronics and telecommunication</p> <p>IEEE Fellow, OSA Fellow, 2x R&amp;D 100 award winner</p> <p><b>THORLABS</b> <b>CORNING</b> <b>Bellcore</b> Bell Communications Research</p>	 <p><b>Dr. Reinhard Voelkel</b> Chief Strategy Officer</p> <p>35+ years of professional experience in the field of micro-optics, with expertise in strategic leadership, business development, and innovation</p> <p><b>Karlsruhe Institute of Technology</b> <b>FAU</b> <b>SUSS MicroOptics</b> <b>unine</b> <b>Sand Hill Angels</b></p>
 <p><b>Mr. Sinclair Vass</b> Corporate SVP of International Sales &amp; Business Development</p> <p>35+ years experience in international photonics markets, having held technical, commercial and general management leadership roles at major multinational companies</p> <p><b>Velodyne</b> <b>JDSU</b> <b>Lucent Technologies</b> <b>hp</b></p>	 <p><b>Mr. Guowei Zhu (Gavin)</b> Corporate VP of Quality, President of Automotive BU</p> <p>20+ years in international automotive companies, rich experience in IATF QMS and plant operations management by World Class Manufacturing (WCM) &amp; Lean manufacturing</p> <p><b>MAGNETI MARELLI</b> <b>BorgWarner</b> <b>GST</b></p>	 <p><b>Mr. Tan Chee Huo (Michael)</b> Corporate SVP of Business Process and IT</p> <p>25+ years in IT leadership, specializes in digital business transformation, global project management, multicultural team leadership in fast-paced international industries, and strategic decision-making</p> <p><b>NOKIA</b> <b>ThermoFisher Scientific</b> <b>Tupperware</b> <b>EVIDENT</b></p>
 <p><b>Mr. Ye Dai (Robert)</b> Corporate VP of Global Sales</p> <p>Excellent track record in worldwide sales and product line leadership roles, as well as in previous position as President of Pan-Semiconductor BU</p> <p>20+ patents granted</p> <p><b>IVO</b> <b>APPLIED MATERIALS</b></p>	 <p><b>Mr. Lucas Zhang</b> Global Operations Vice President</p> <p>20 years of global supply chain management experience at multiple Fortune 500 companies, with strong expertise in supply chain planning and management within the consumer electronics industry</p> <p><b>HUAWEI</b> <b>LCFC</b> <b>Quantum Computer</b></p>	 <p><b>Mr. Qichuan Yu</b> Chief Product/Process Officer</p> <p>Over 25 years of experience in wafer-level optics, optical sensor and camera packaging, SAW/BAW filter R&amp;D, and NPD execution, with a strong focus on mastering, tooling, and wafer-level processes</p> <p><b>amun</b> <b>OSRAM</b> <b>HEPTAGON</b> <b>EPCOS</b></p>

# Corporate Management Team

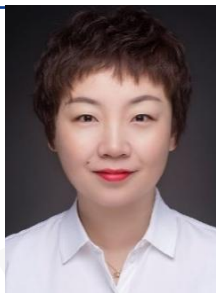


**Ms. Xuefeng Zhang**  
**(Jennifer)**

Board Secretary, Marketing Director

14 years photonics industry  
international business experience

In-depth understanding and rich experience in  
sales, marketing and business development



**Ms. Yiping Ye (Alison)**

Board Director, CFO

Over 15 years management experience and  
multi-field business practices

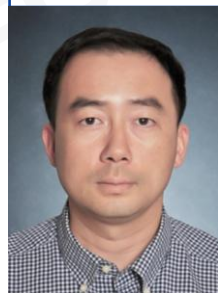
In-depth understanding in LTC, IPD,  
intercultural cooperation and rich operational  
experience in market development, project  
operation and business management



**Mr. Hong Wang**

Corporate R&D Director

PhD in physics and Master in computer  
science. 20+ years in quantitative analytics,  
capital market risk modeling and architecting.  
Expert in building analytic infrastructure and  
system. Rich experience in multinational team  
management.



**Mr. Jinchao Qu**

President of Diode Laser BU,  
President of Medical & Health BU

Extensive years of product marketing and  
sales management experience

Outstanding track record in previous roles as  
Asia Sales Director and Head of the  
Application Systems Special Task Force



**Mr. Dirk Walter Bogs**

President of Laser Optics BU

Over 25 years' experience in ultra-precision  
tooling, optic manufacturing, engineering &  
project management, and operational  
management

Very deep knowledge of technology  
development and optimization



**Mr. Yong Tian (York)**

VP of Laser Optics BU

20+ years of operation & R&D management,  
very deep knowledge with organic optical  
materials and optical coating technology,  
published SCI articles and owns patented  
technologies. Experienced in Lean  
Manufacturing & Industry 4.0



**Mr. Weiyi Gu**

President of Pan-Semiconductor  
Solutions BU

12 years experience in photonics R&D and  
product management, with rich track records  
of leaderships in developing and delivering  
system solutions for pan-semiconductor and  
industrial applications



**Dr. Tobias Senn**

President of Strategic Growth Division

15+ years of experience in micro-optical  
component development for the consumer  
market. Expert in design for manufacturing  
and process development, with a strong focus  
on high-volume production and yield  
improvement



**Mr. Tom Liu**

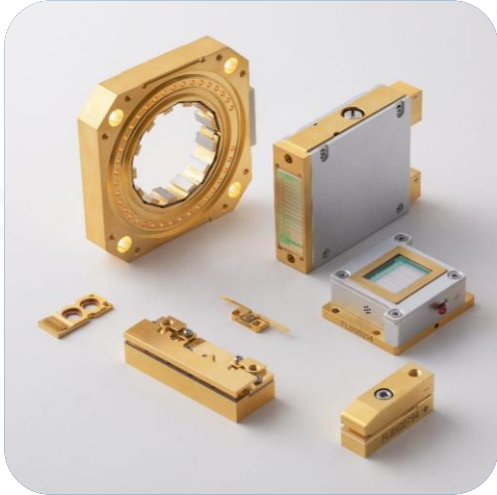
President of Global Photonics Foundry BU

20+ years in R&D and operations management,  
specializing in optical imaging and non-imaging  
system design, WLO process & integration,  
and optical component manufacturing. Proven  
track record in new product development and  
scaling high-volume production





# Products and Businesses



Photon  
Generation



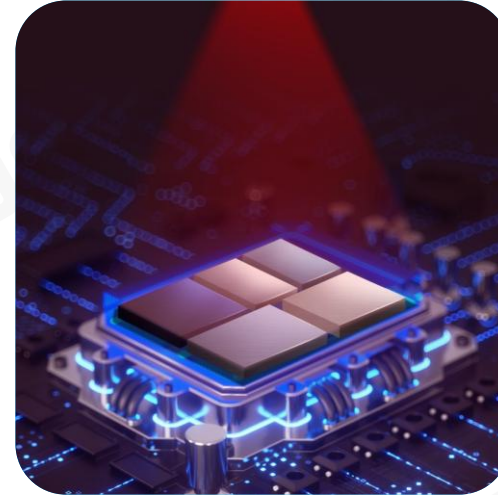
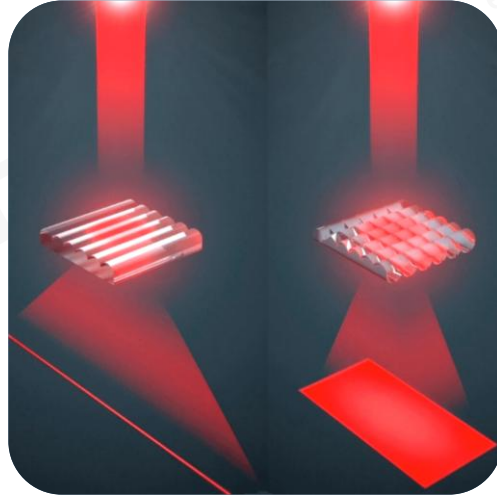
Photon  
Control



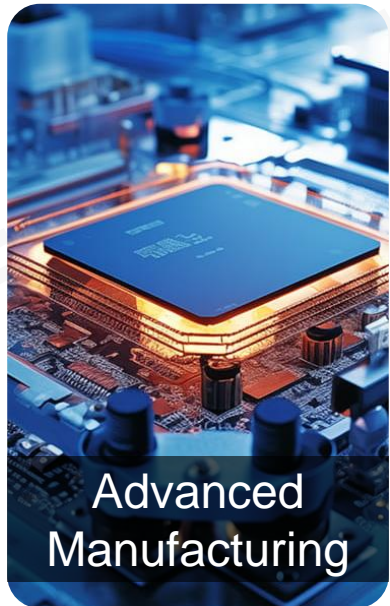
Photonics  
Application  
Solutions



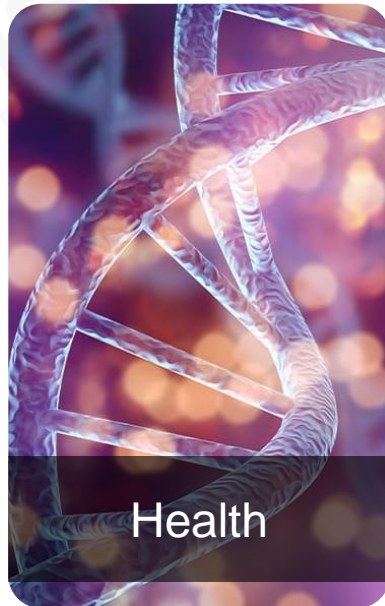
Global  
Photonics  
Foundry



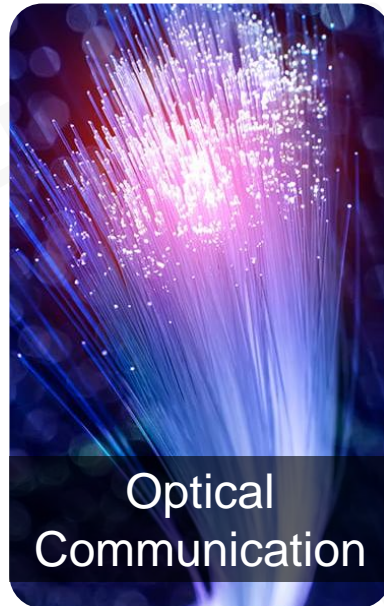
# Markets



64%  
revenue



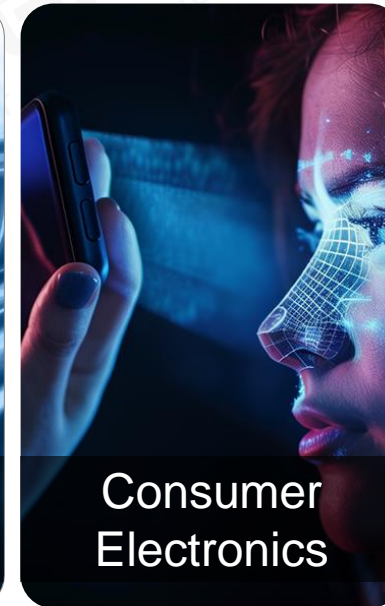
12%  
revenue



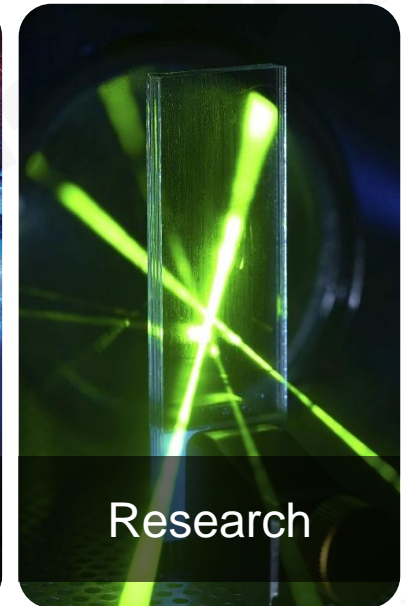
4%  
revenue



15%  
revenue



1%  
revenue



4%  
revenue

*\* Based on accumulated revenue data from 2024 Q1 – Q3*

# Value Proposition

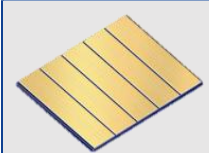
## Total Solution and Service in Full Value Chain

Raw  
Materials

Components,  
Devices

Modules,  
Subsystems,  
Application  
Systems

Solution,  
Support,  
Service



**Chips** (Strategic  
collaboration  
with Suppliers)



**Packaging  
Materials**



**Optics  
Substrate**



**Light Sources**



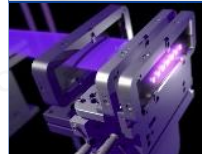
**Optical  
Components**



**Fiber Coupled  
Modules**



**Laser  
Subsystems**



**Optical  
Subsystems**



**Integrated  
Modules**



**Application  
Centers**



**Technical  
Support**



**Field Service  
Centers**

Industry Leader + Strong Financial Backing + Healthy Stable Company + Invest in the Future



## Do what we do best

Offer the best value

Optimize to the extreme

Achieve the best  
performance / quality-to-  
price ratio

## Commitment to Customers

- Lowest cost manufacturing for high volume products
- Willing to take technical risk, but request customer commit market share in return
- Willing to take investment risk in R&D and capital including M&A for customer but request customer commit market share in return
- Collaboration transparency, fast response, IP protection and long-term partnership



## What we don't do

Take high market risk

Be greedy

Be too aggressive

Compete against our  
customers



**Vision**

**FOCUSLIGHT**  
Never stop exploring

**To unlock the potential  
of photonics to  
enhance and enrich  
people's life**





# Mission

**FOCUSLIGHT**  
Never stop exploring



Be the global trusted  
photonics solution provider  
through innovation,  
manufacturing excellence  
and fast response

**FOCUSLIGHT**  
Never stop exploring

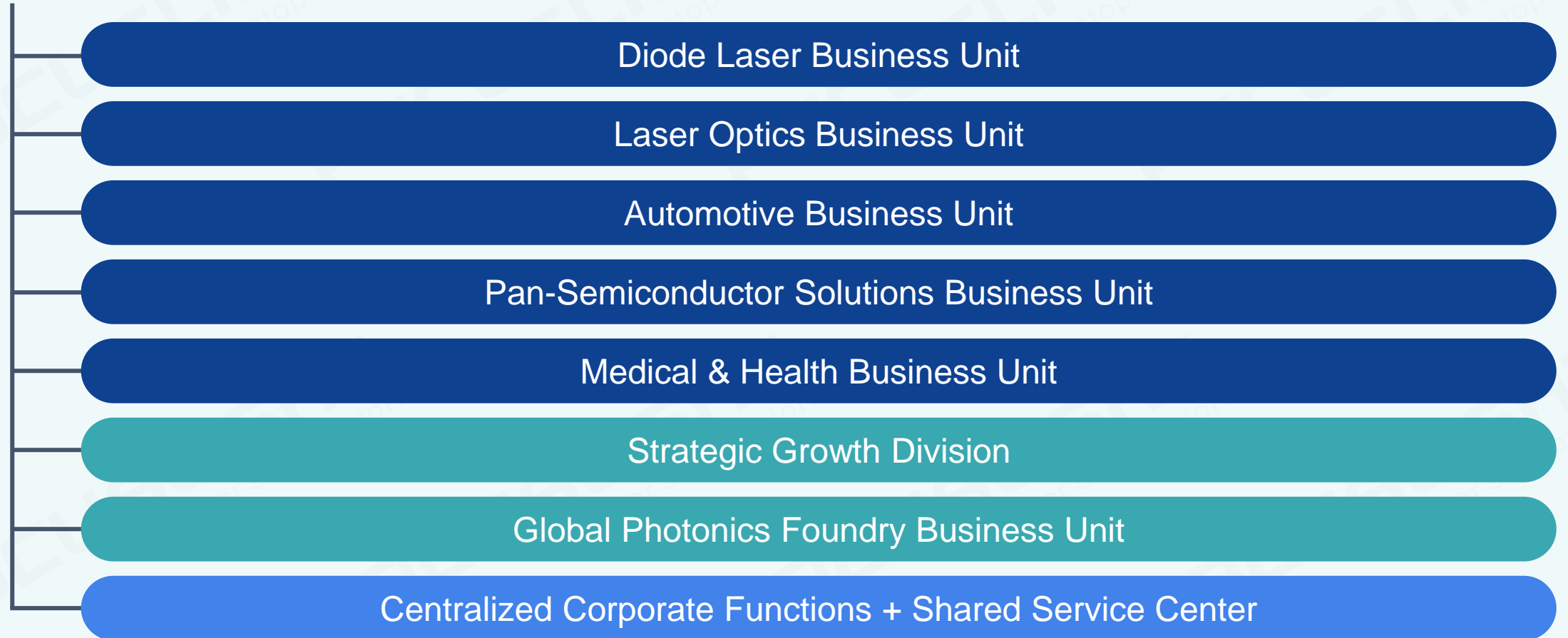
The corporate/parent brand that offers innovation-driving photonics solutions, covering all available businesses except WLO, WLS, WLI, and related fields.

 **HEPTAGON**

A brand focused on business around the technologies of WLO, WLS, WLI, and related fields, ultimately aiming for volume production.

# Company Organization

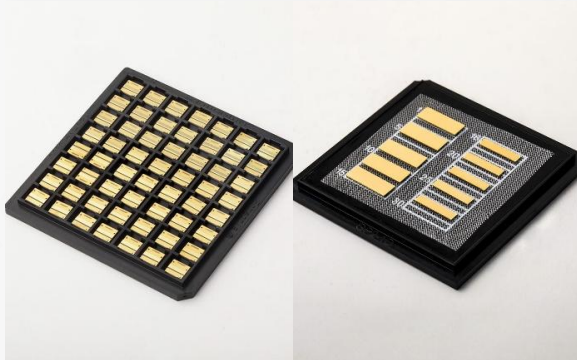
## Focuslight Technologies





# Products - Diode Laser Components

Under Focuslight Brand



## Advanced Materials

- AuSn Pre-Deposited AlN Ceramic Submounts
- AuSn Pre-Deposited CuW Submounts
- Thin Film Metallization Service



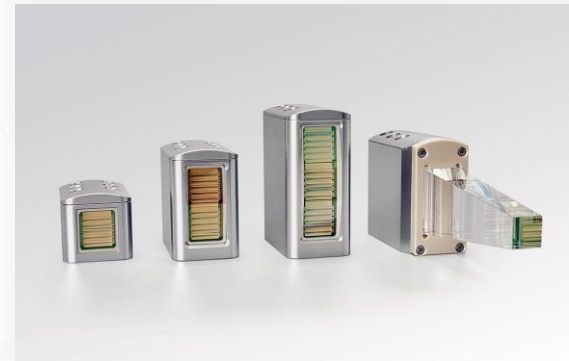
## Active Devices

- Single Emitter Components
- Single Bar Components
- Micro-Channel Cooled Stacks
- Conduction Cooled Stacks
- Pumped Modules



## Fiber Coupled Modules

- Emitter-Based FCM
- Bar-Based FCM



## Professional Medical Application Components

- Laser Hair Removal Engines

# Products - Laser Optics Components

Under Focuslight Brand

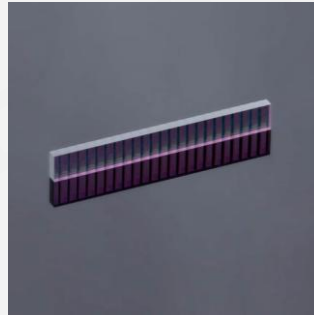
## Single Lenses and Linear Lens Arrays



FAC



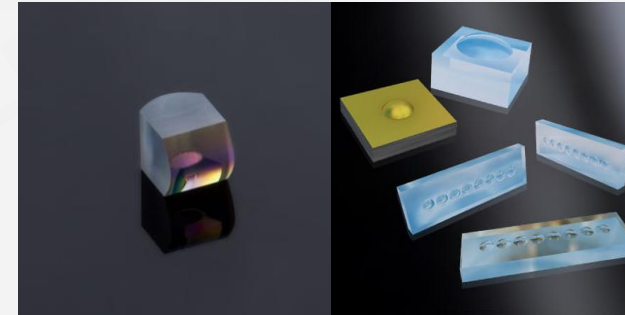
SAC



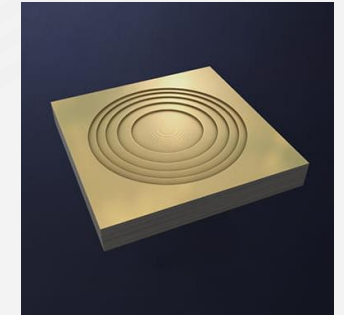
SAC array



BTS

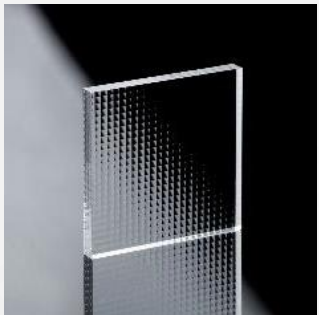


Fiber coupler and collimator

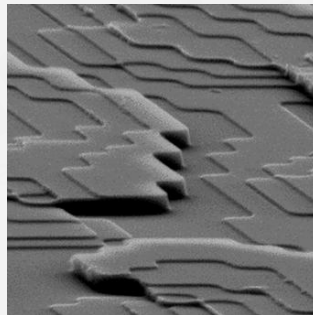


Collimating DOE

## Area Lens Arrays



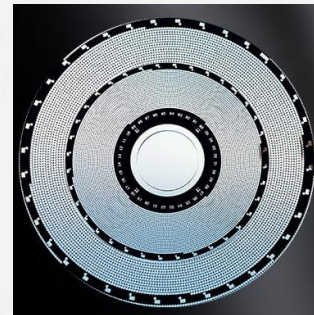
Homogenizer and  
diffuser



DOE beam splitter,  
dot or line generator

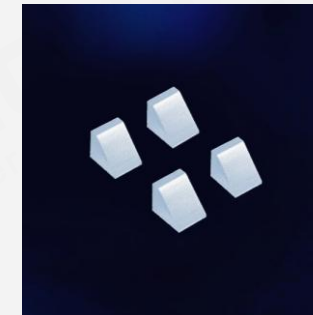


Shack-Hartmann  
array

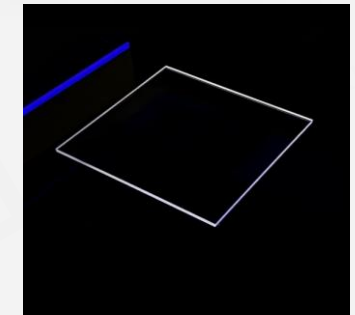


Pinhole array

## Plano Optics and Coatings



Micro prism



Window

# Products - Automotive Application Solutions

Under Focuslight Brand

## Flash LiDAR Transmitter Modules

**AX02 Pro** (Engineering Sample)



VCSEL Flash Transmitter 700W

## Line Beam LiDAR Transmitter Modules

**LE02 Pro** (Engineering Sample)



905nm 700W EEL  
Line Beam Transmitter

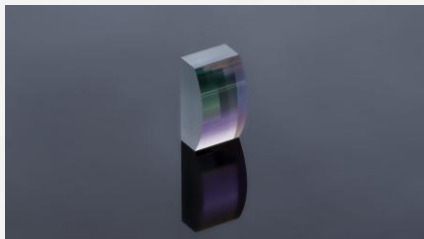
**LX02** (Engineering Sample)



VCSEL Line Transmitter 1000W

## Optical Components and Assemblies for Automotive

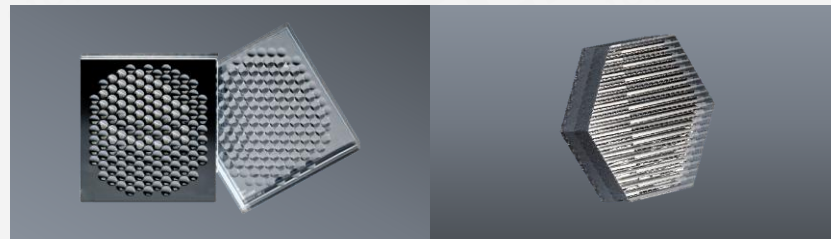
EEL FAC Collimators



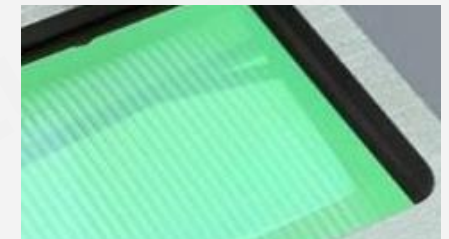
Auto-grade Diffusers and Homogenizers



Optics for Automotive Projected Lighting and Headlight



Customized Optical Assemblies



# Products - Pan-Semiconductor Application Solutions

**FOCUSLIGHT**  
Never stop exploring

Under Focuslight Brand

## Advanced Display Manufacturing Solutions



Solid-State Laser Lift-Off (LLO) System

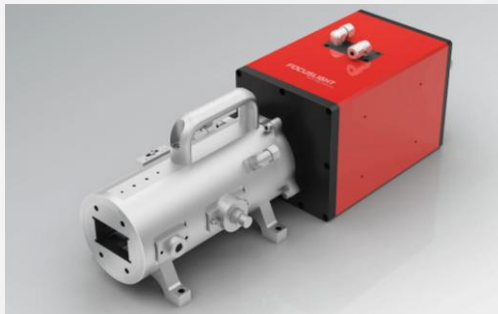


Solid-State Laser Annealing (SLA) System



Variable Beam Laser System  
(Mini and Micro LED Processing)

## IC Manufacturing Processing



IC Wafer Annealing System

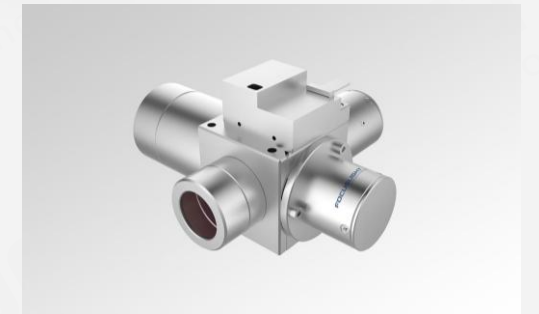


Variable Beam Laser System  
(Advanced Chip Packaging)

## Industrial Solutions



IR Line System



Industrial Laser Module



# Products - Medical and Health Application Solutions

Under Focuslight Brand

**Laser Hair Removal  
Modules**



**Laser Skin Rejuvenation  
Modules**



**Laser Body Sculpting  
Modules**

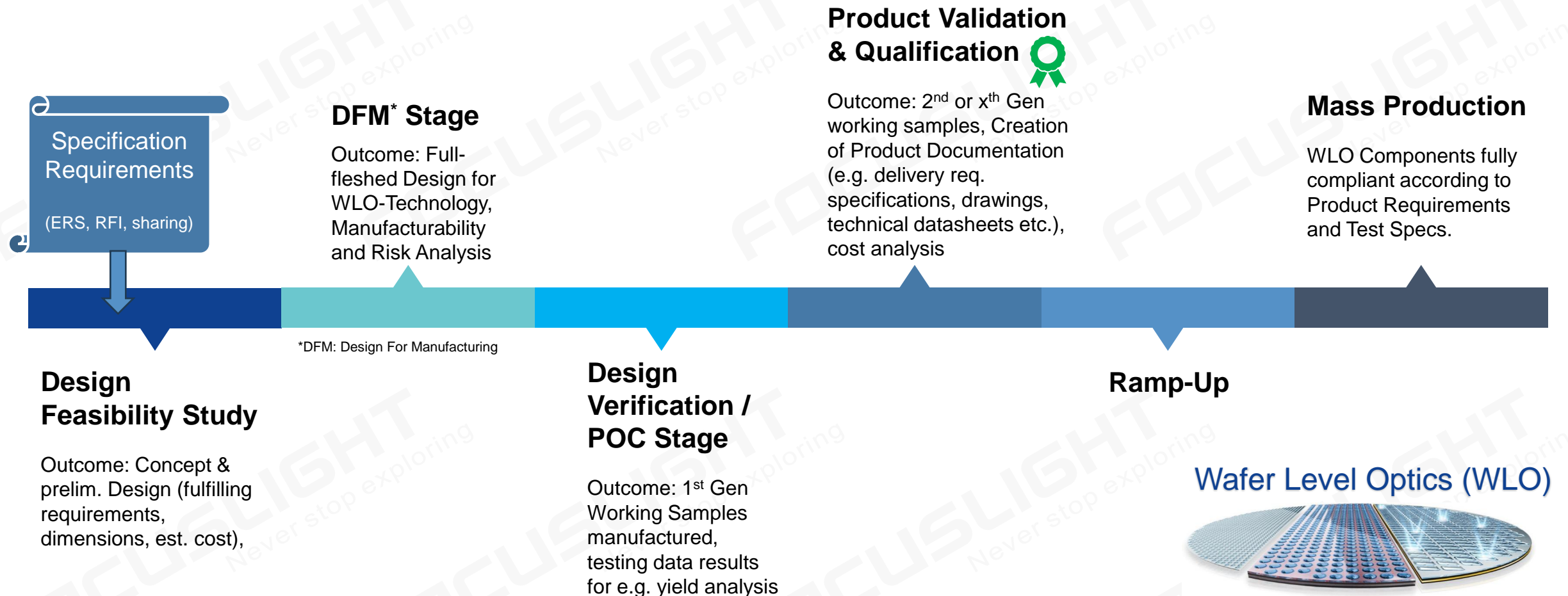


**Diode Laser Drivers**



# Global Photonics Foundry Services

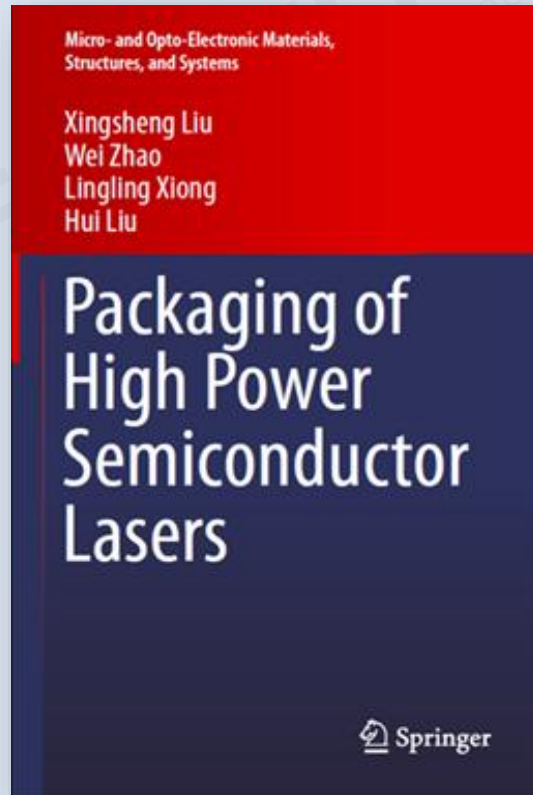
Under Heptagon Brand



Work with Us – From Concept to Mass Production

# Core Competence

## Diode Laser



### Eutectic Bonding

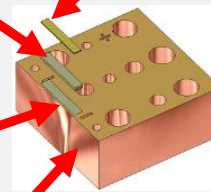
High Reliability

Carrier with Pre-deposited AuSn solder layer

Bar

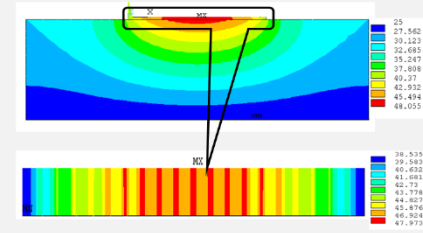
Solder

Heatsink

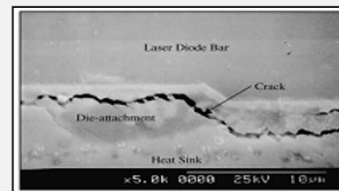


### Thermal Management

Finite Element Thermal Analysis and Design

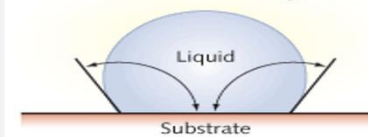


### Thermal Stress Control

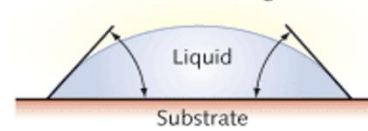


### Interface Materials and Surface Engineering

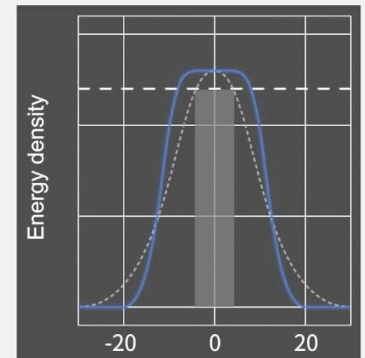
Solder nonwetting



Solder wetting



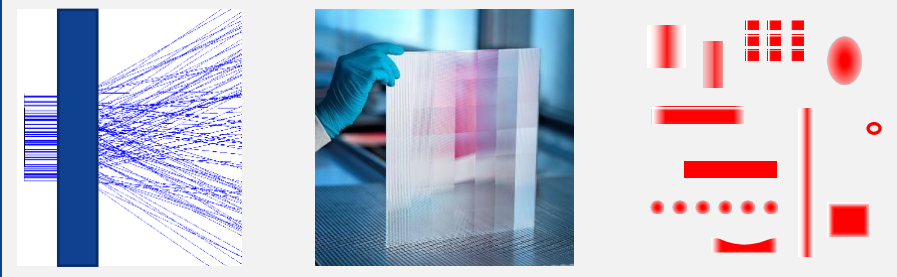
### Test, Analysis and Diagnosis



# Core Competence

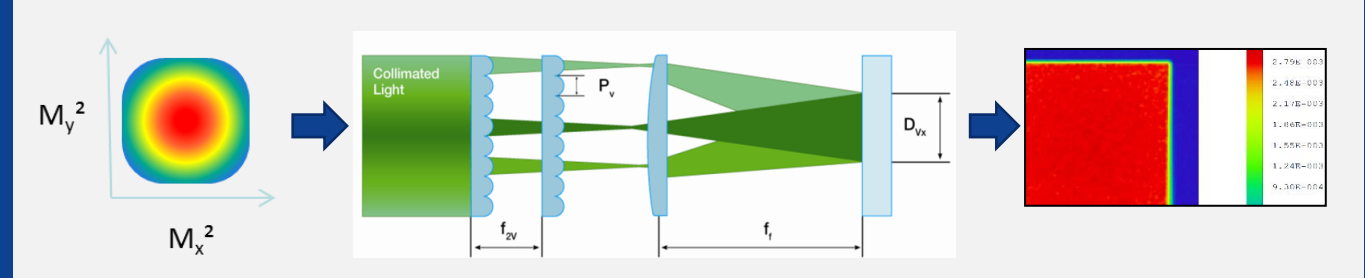
Beam Shaping – *The Right Photon at the Right Place and Time!*

## Micro Optics Design and Simulation



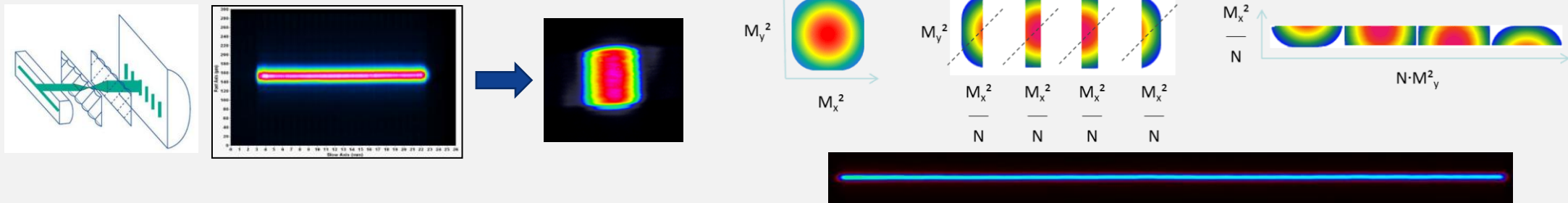
Acylindrical free-form micro-optics / arrays / diffusers /  
DOE splitters / beam shaping systems

## Homogenization



Uniform and homogeneous illumination in any desired shape

## Beam Transformation



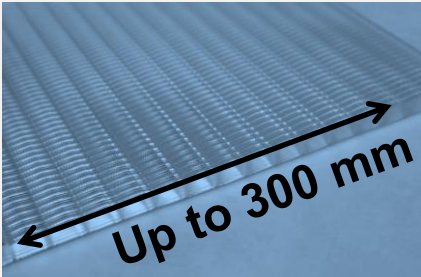
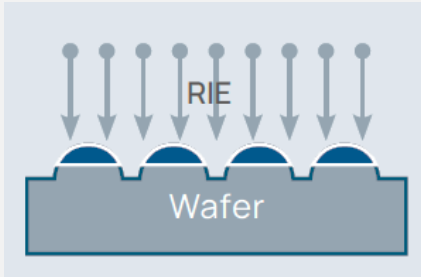


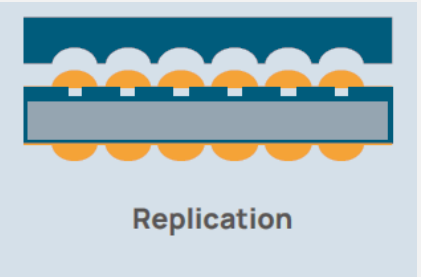
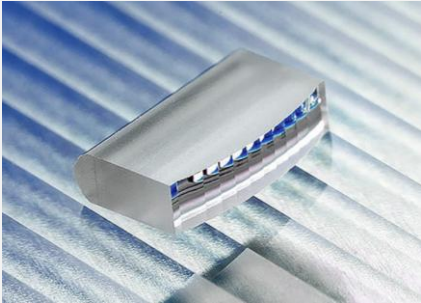
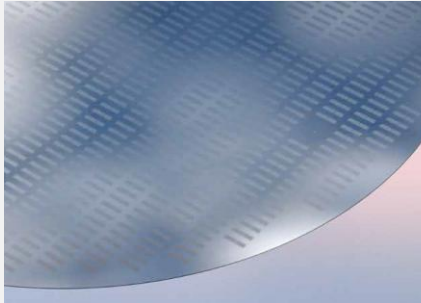
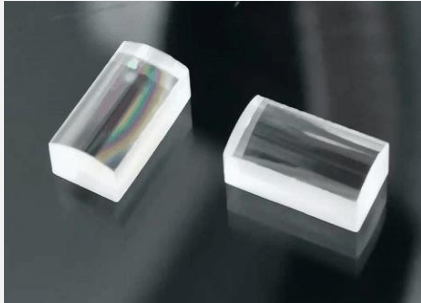
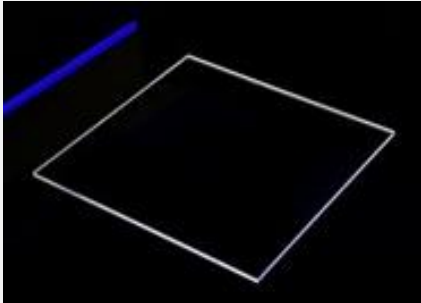
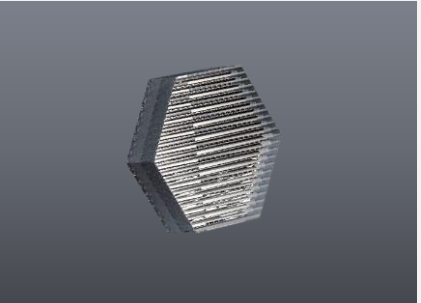
Asymmetrical → Symmetrical beam

Symmetrical beam → High density line beam



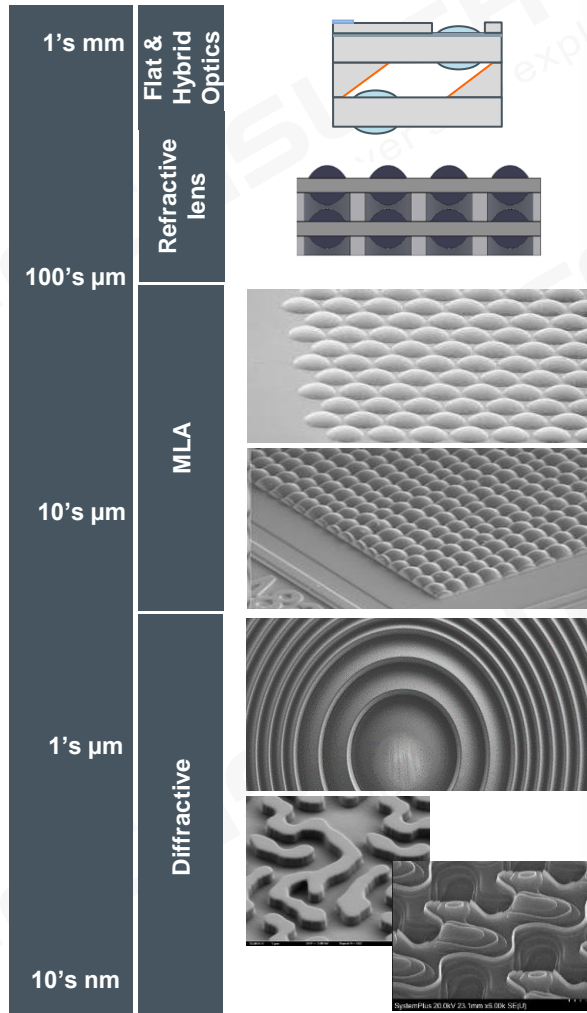
# Core Competence

Optics Manufacturing

Wafer Level Simultaneous Structuring	Wafer Level Photolithography-RIE (reactive ion etching)	Precision Glass Molding	Cold Processing	Imprinting
				
				
With inorganic materials: Glass, Fused Silica, Silicon, $\text{CaF}_2$				With polymer on glass
High LIDT Optical Coating: Anti-reflection, high-reflection, beam splitter, band filter, and various customization (UV, VIS, IR)				

# Core Competence

## Wafer Level Optics and Stacking



Wafer-Level Optics, Electronics, Packaging, Integration, Testing and Processing

HEPTAGON



Wafer-level imprinted optics from mm down to nm-scale

**WLO**

(Wafer Level Optics)



WLO

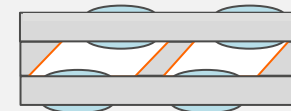
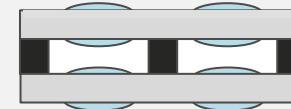


VIM-optics

Diffractive & refractive optics, MLAs, diffusers

**WLS**

(Wafer Level Stacking)

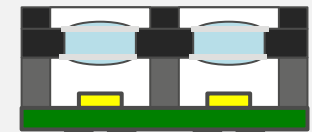


Folded path

Imaging lenses, projector lenses

**WLI**

(Wafer Level Integration)

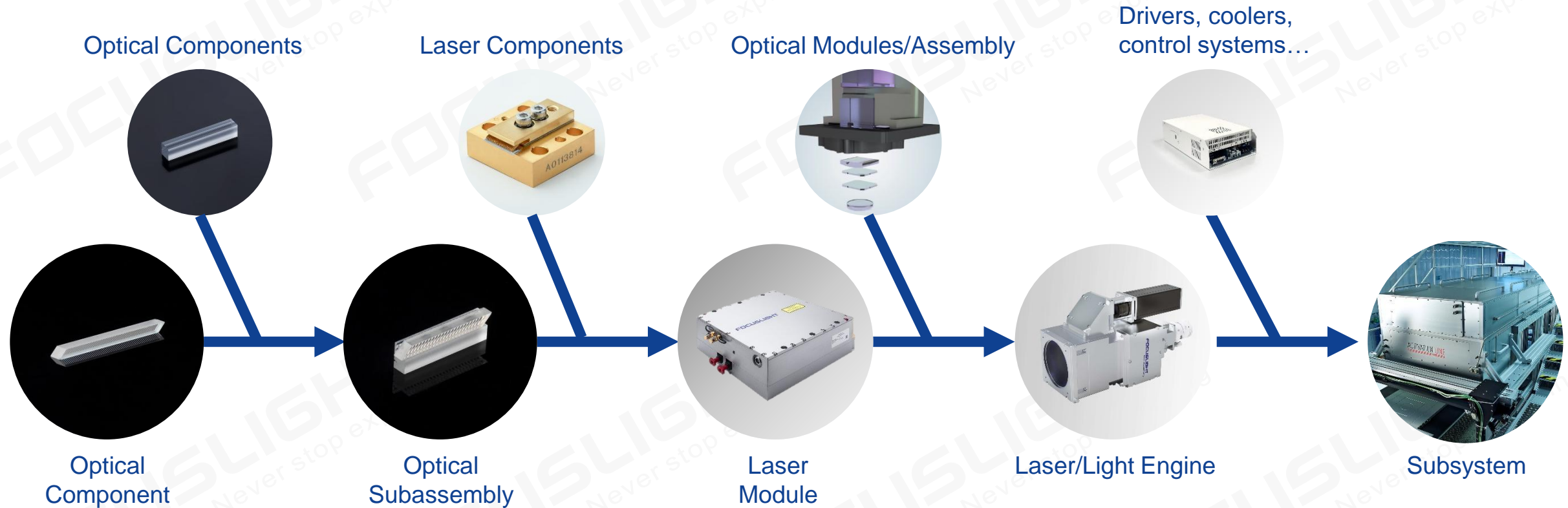


Molded module

Optical sensor & illumination modules

# Core Competence

High Precision Optical Assembling Process and in-house Equipment: From Components to Subsystems



# A Unified QM System in the Corporate Ensures Reliable and Premium Products

ISO9001 Certified Quality Management System (QMS)

ISO14001 Certified Environmental Management System (EMS)

IATF16949 Certified Automotive Quality Management System

ISO45001 Certified Occupational Health and Safety Management System

Failure Mode and Effect Analysis (FMEA)

Statistical Process Control (SPC)

Production Traceability Database

Control Plan (CP)





# Quality Assurance System

## Built-in Quality to Meet Customer's Needs

Assurance of  
Design Quality

Design of the Optimal Design  
Quality to Meet Customer Needs

Assurance of  
Manufacturing Quality

Built-in Optimal  
Design Quality

Assurance of  
Service Quality

NPI / APQP

Mass Production

RMA / Warranty

Planning

Research & Development

Production Engineering

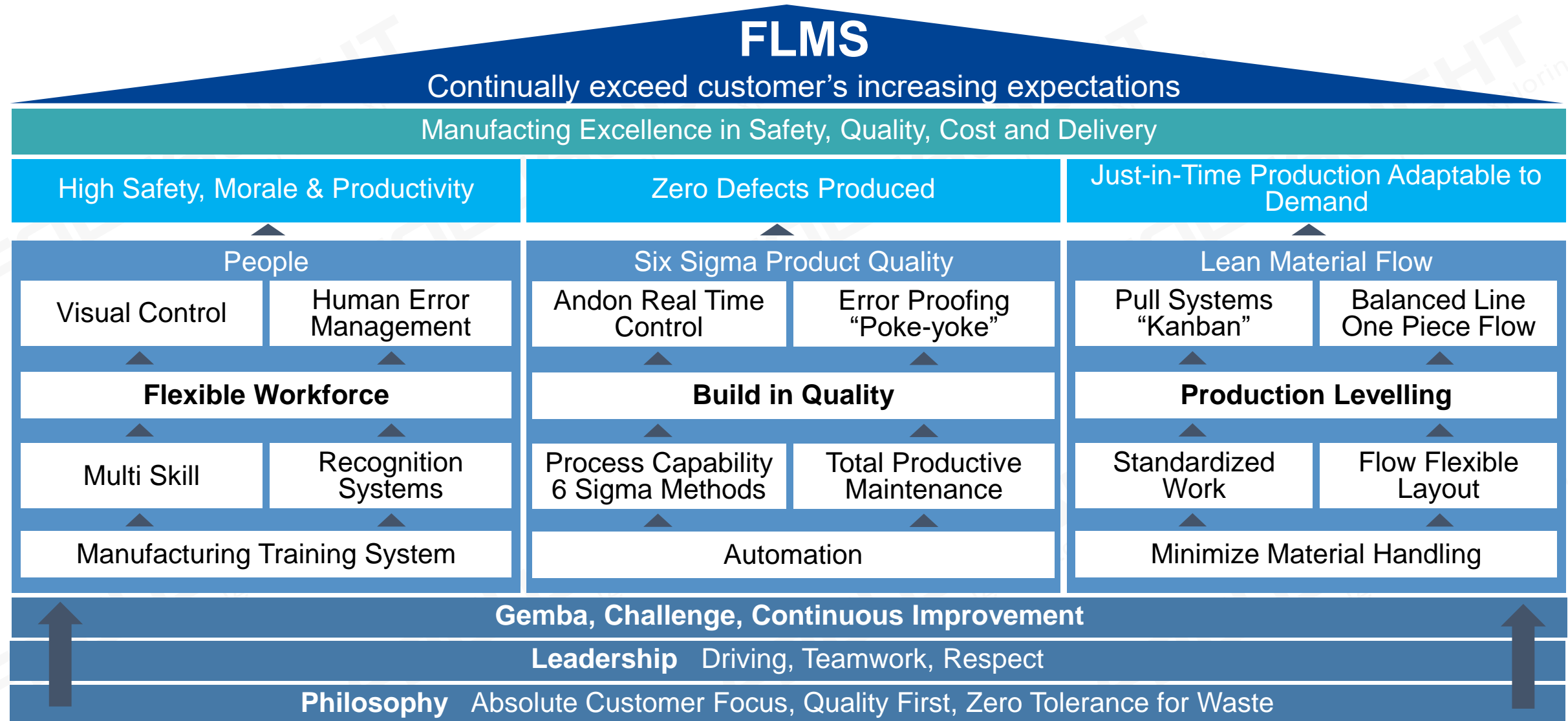
Manufacture

After Service

## Promotion of Consistent Quality Assurance Activities

Quality Control System of Design	Quality Control System of Manufacture		Quality Control Evaluation System
<ul style="list-style-type: none"> <li>• QFD</li> <li>• Critical Characteristic, Special Characteristics</li> <li>• Tolerance Chain Design</li> <li>• FMEA, FTA</li> <li>• Design Validation</li> <li>• Design Review</li> </ul>	<ul style="list-style-type: none"> <li>• Parameter design</li> <li>• Process FMEA</li> <li>• Process Capability Study</li> <li>• Automatic Inspection,</li> <li>• Poka Yoke / Error Proof</li> <li>• Measurement System Analysis</li> </ul>	<ul style="list-style-type: none"> <li>• QA Network</li> <li>• Supplier Quality Management</li> <li>• Production Validation</li> <li>• Control Plan</li> <li>• QC Circles</li> <li>• Production Part Approval Process</li> </ul>	<ul style="list-style-type: none"> <li>• QC diagnosis</li> <li>• Quality assurance Meeting</li> <li>• Quality Auditing Improvement Meeting</li> </ul>

# Focuslight Manufacturing System (FLMS)



# Manufacturing Excellence

- Apply the **lean manufacturing practices** to all production lines, including automotive, diode laser and laser optics business
- **Absolute customer focus, zero tolerance of waste, and continuous improvement** philosophy
- **Significantly reduced** cycle time, improved manufacturing efficiency, and lowered RMA yield and manufacturing cost.
- Adopting **automation and advanced production management system**
- **SOP** of the first LiDAR transmitter project with an international automotive tier 1 customer
- IATF 16949 certified and VDA 6.3 audited





# Manufacturing Capacity

## Advanced Materials

10+ years high-volume manufacturing experiences + self-owned core technologies

DPC production



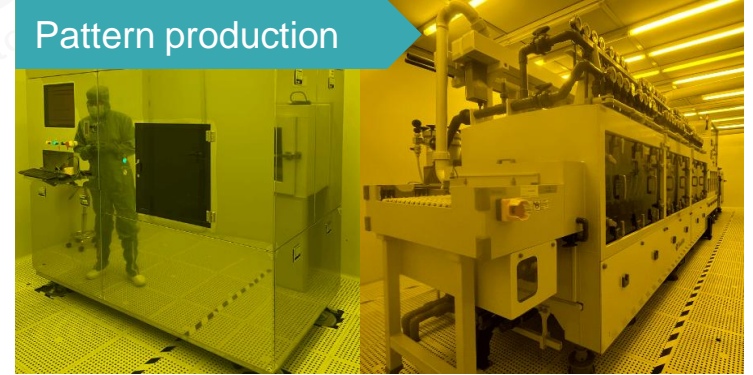
Etching production



Au plating



Pattern production



Cleaning



AuSn deposition



Laser marking



Dicing



AOI inspection



Advanced Materials Manufacturing Capacity > 2M pcs / month



# Manufacturing Capacity

## Diode Laser Components

Packaging & Assembling



Optical Assembling



Testing & Measurement



Quality Inspection



Burn-in & Lifetime Test

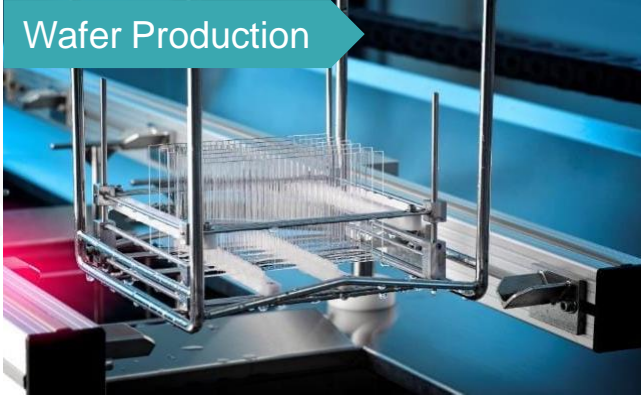


Diode Laser Manufacturing Capacity > 500K pcs / year  
Burn-in Capacity 600K pcs / year

# Manufacturing Capacity

## Laser Optics Components: Wafer-Level Simultaneous Structuring Processing

Wafer Production



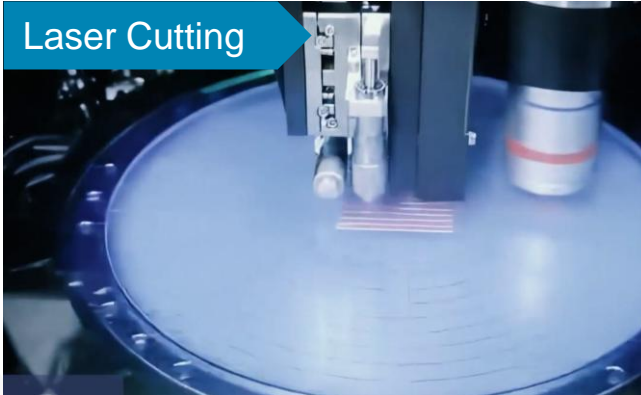
Quality Mapping



Coating



Laser Cutting



Auto Loading



Auto Packing



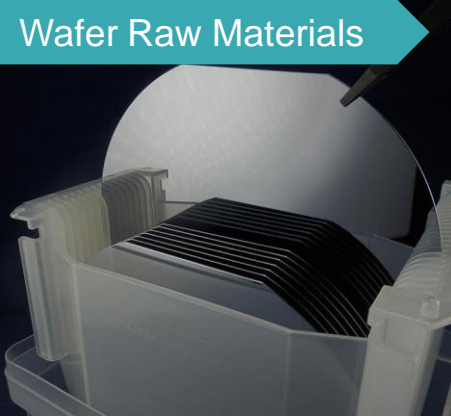
Wafer-Level Simultaneous Structuring Processing:  
Manufacturing Capacity > 2K wafers / month or > 3.5M pcs lenses / month



# Manufacturing Capacity

## Laser Optics Components: Photolithography-Reactive-Ion-Etching Processing

Wafer Raw Materials



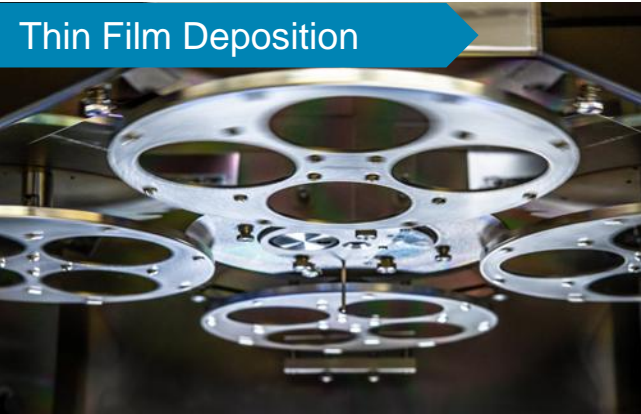
Photolithography



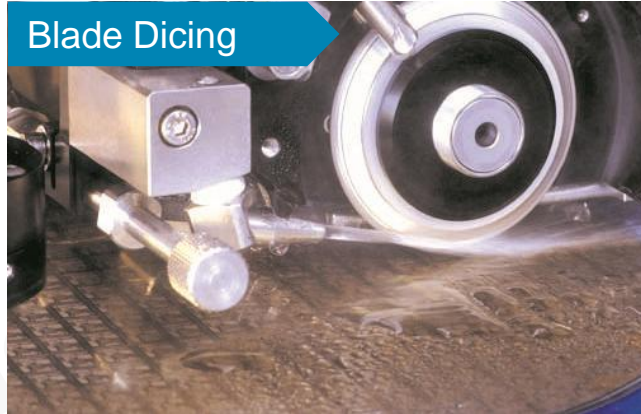
Dry Etching



Thin Film Deposition



Blade Dicing



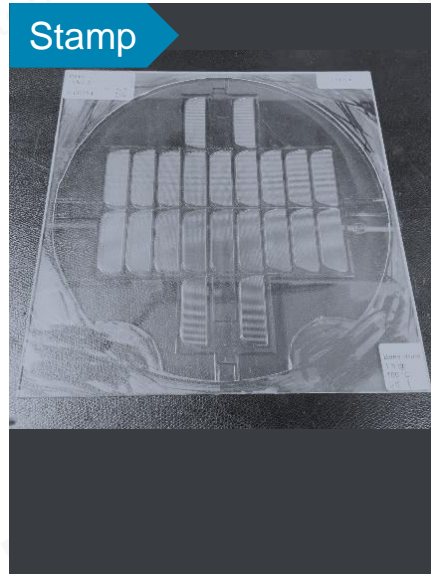
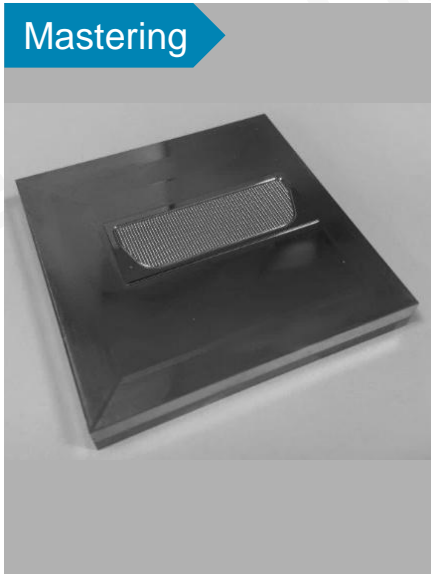
Pick & Place



Photolithography-Reactive-Ion-Etching Processing:  
Manufacturing Capacity > 300 wafers / month

# Manufacturing Capacity

## Laser Optics Components: Imprinting Processing

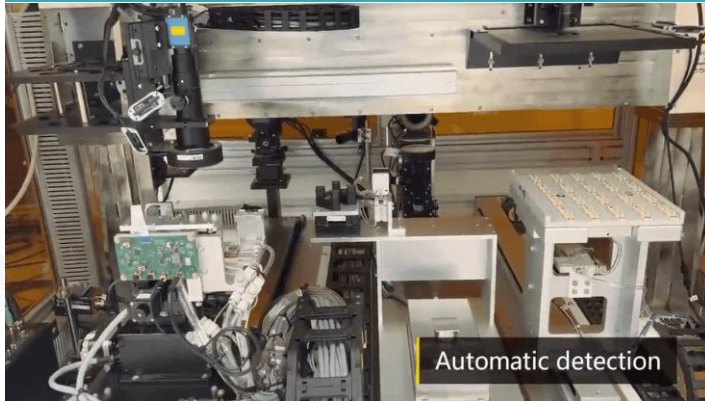


Imprinting Processing:  
Manufacturing Capacity > 15K wafers / year or > 30M pcs lenses / year

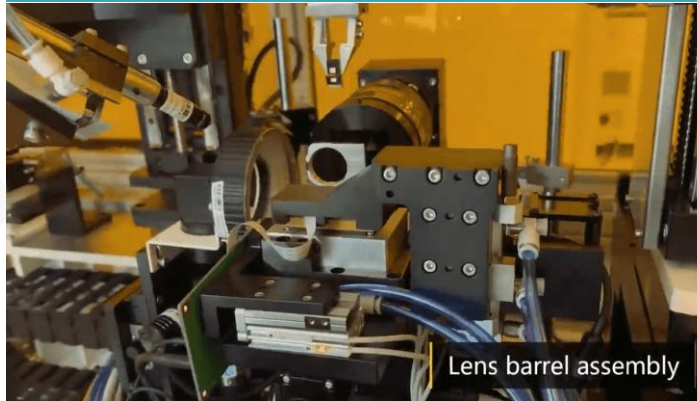


# Automation Powered Manufacturing Excellence

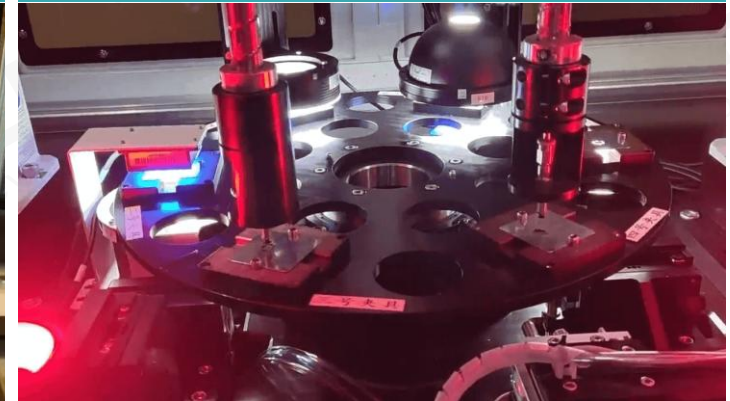
Automatic Optical Alignment



Automatic Assembly



Automated Optical Inspection



Laser Optics Production Line



LiDAR Transmitter Production Line



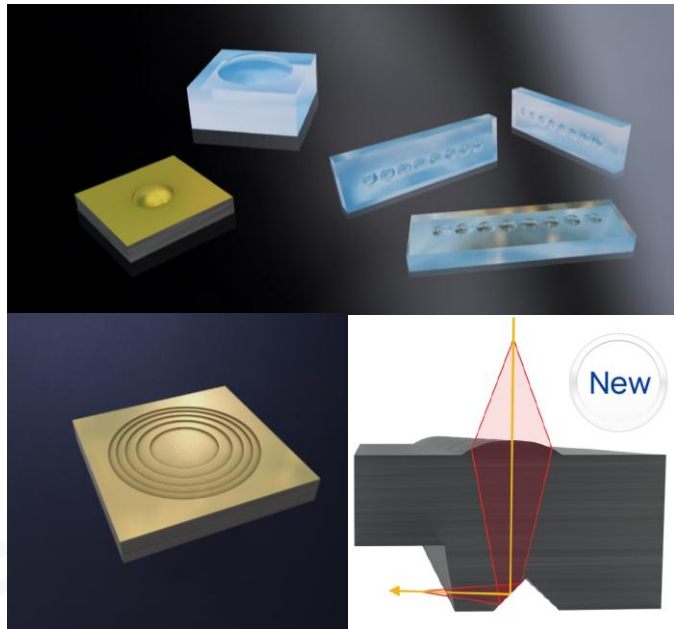
Video Link: <https://www.focuslight.com/news-events/newslist/focuslight-autonotation-powered-manufacturing-excellence/>

# Typical Applications

## Optical Communication

### Diffractive and Refractive Optics

- Focusing / collimating microlens
- Prism integrated microlens arrays
- Microlens arrays
- Silicon refractive microlens arrays

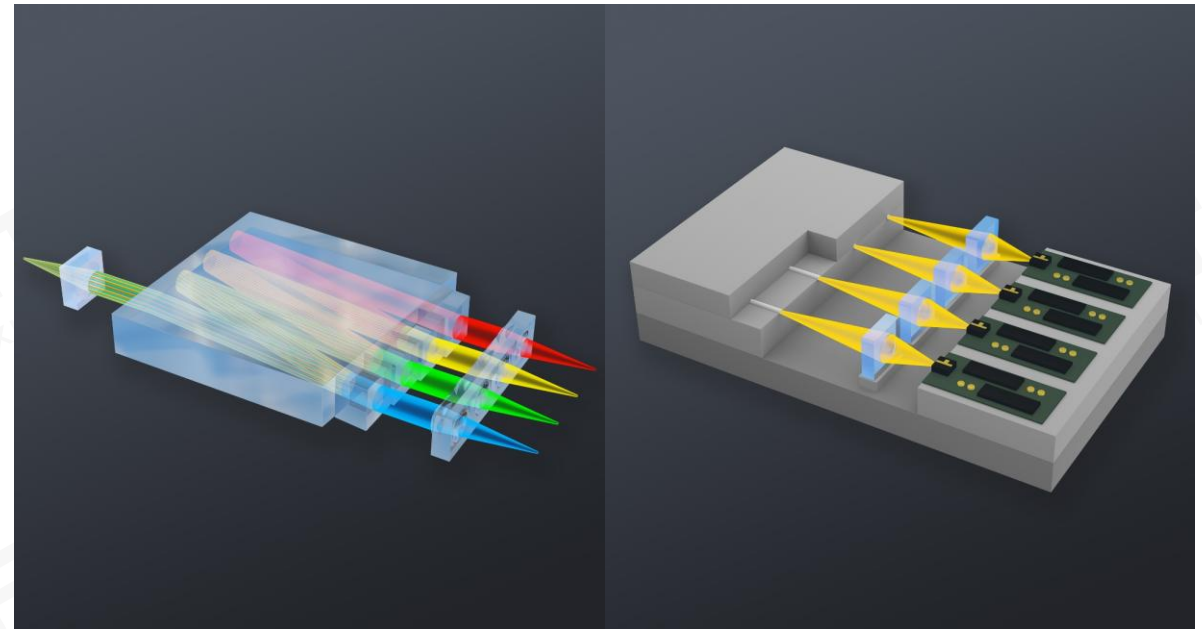


**Optical transceivers (TROSAs, ROSAs, TOSAs \*)**

**Optical Switches**

**Photonic Integrated Circuits (PICs)**

**Fiber Connectors**

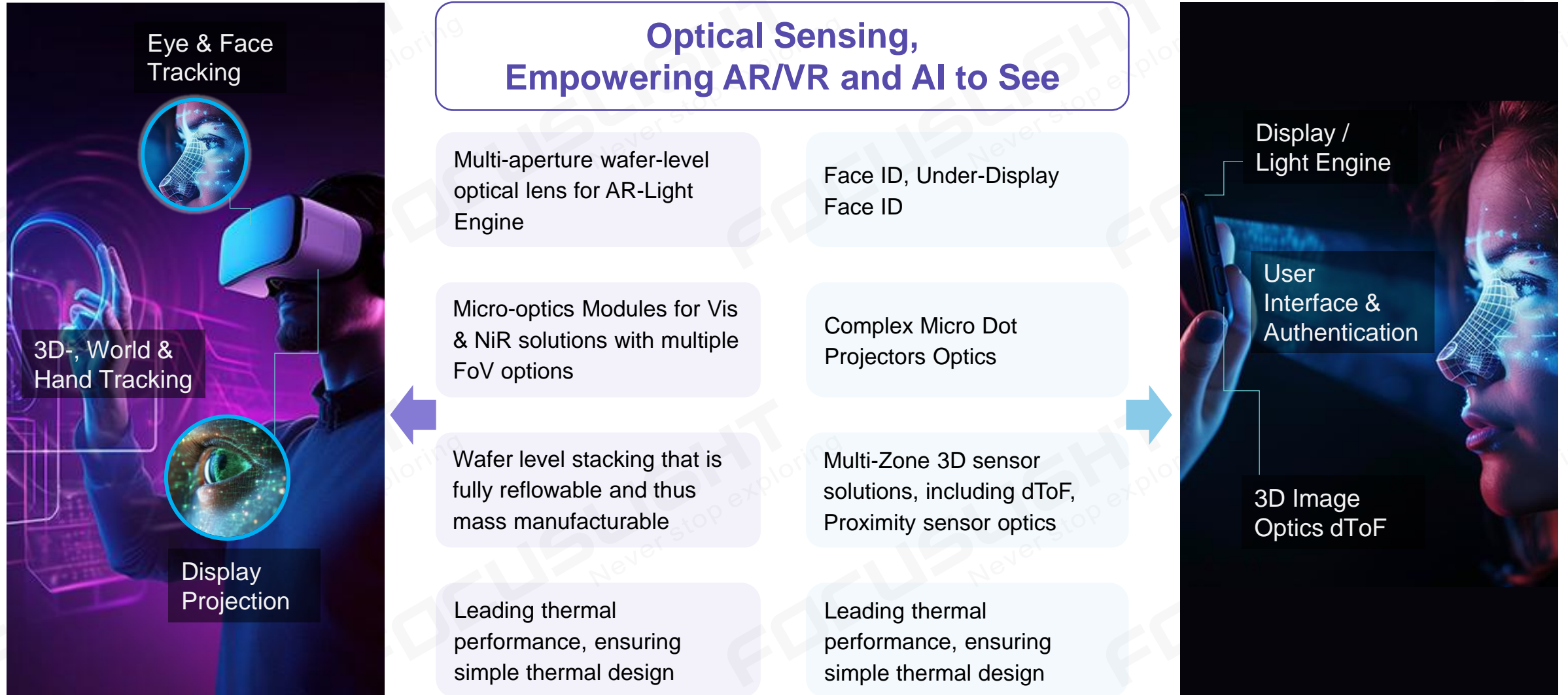


\* TROSA = Transmit & Receive Optical Sub Assembly, ROSA = Receiver Optical Sub Assembly, TOSA = Transmitter Optical Sub Assembly



# Typical Application

## Consumer Electronics



# Typical Applications

## Medical and Health



Hair Removal



Body Sculpting



Skin Rejuvenation



Ophthalmology



3D Interoral  
Scanning



Optical Components;  
Laser Components



Optical Solutions;  
Laser+Optics Assembly;  
Application Handpiece



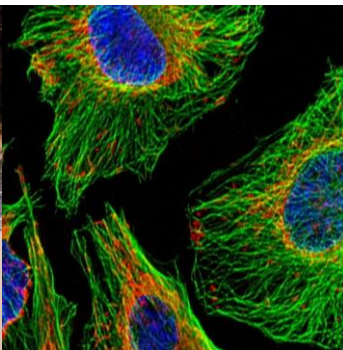
Contract Manufacturing  
Services



*Focuslight does not  
produce medical or  
health equipment*



Dermatology



Confocal  
Microscopy



Endoscopy



Sensing

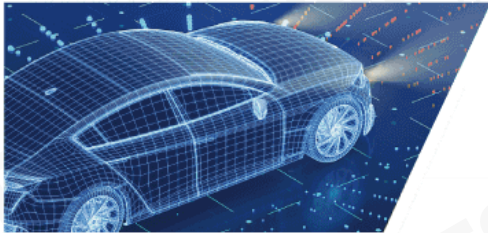


Laser Surgery



# Typical Applications

## Automotive



**LiDAR**



**Driver Monitoring System**



**Smart Headlight**



**Projected Lighting**



**AR HUD**



**Optical Components**



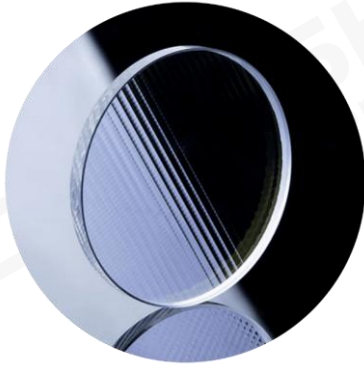
**Laser Transmitter /  
Illumination Modules**



*Focuslight does not  
produce LiDAR /  
Lighting full system*

# Typical Applications

## Semiconductor



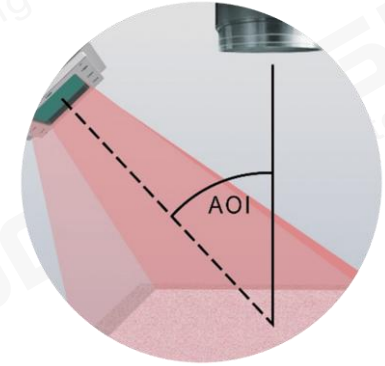
- Beam homogenization technology powers the illumination system – key optical component in **pan-semiconductor systems**
- > 15 years supply to the major manufacturer of semiconductor lithography tools



- Laser system solutions with high power density and different beam profiles, designed for various **laser-based wafer annealing processes** including IGBT backside annealing and SiC annealing



- Based on 976nm diode laser with adjustable beam output and >95% homogenization in energy distribution
- Ideal for **advanced chip packaging processes**, e.g. laser-assisted bonding



- Off-axis beam shaping technology powers laser surface treatment as well as surface inspection
- Typically used in **solar cell industry**

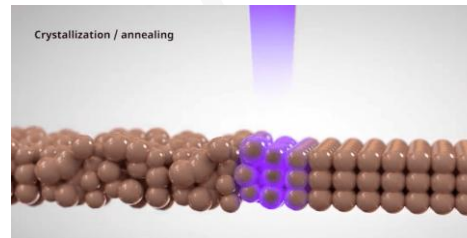
# Typical Applications

## Display

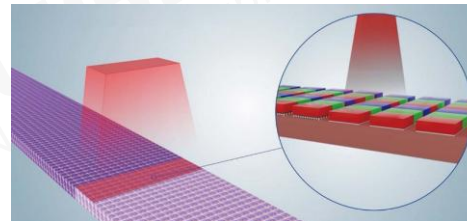


### Solid-State Laser Lift-Off (LLO) for Flexible Displays

- Several tens of beam shapers (plasma display pixel structuring)
- Several green 100 mm line beam systems (laser lift-off)
- > 600 mm UV line beam production system (laser lift-off)



### Next-gen LTPS Solid-state Laser Annealing Process



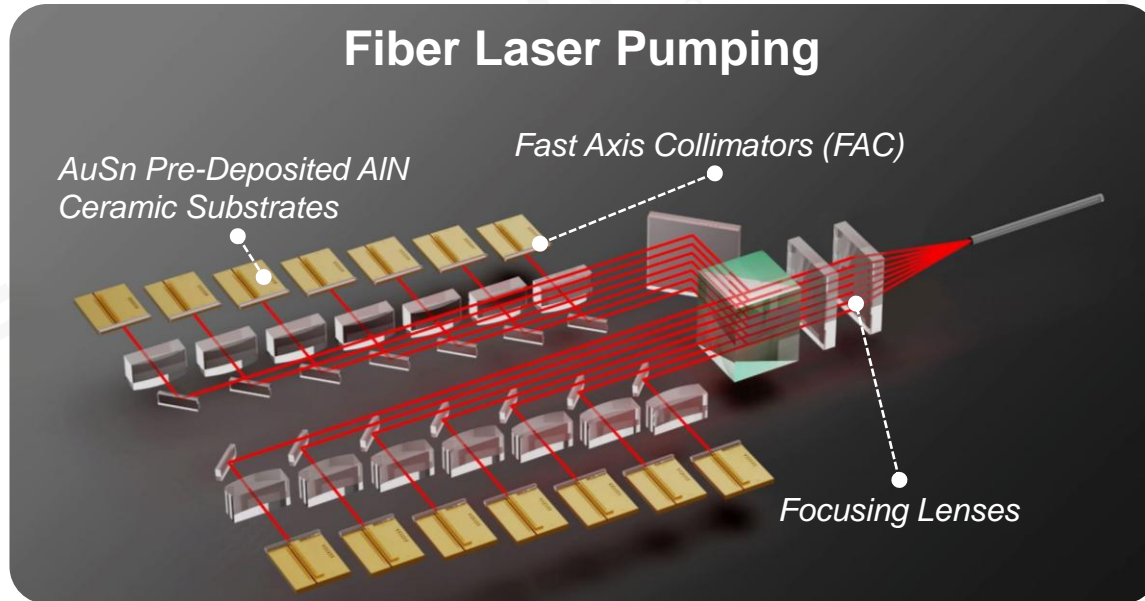
### Mini and Micro LED Processing

- Laser Mass Transfer and Laser Mass Soldering
- Laser Chip Repair

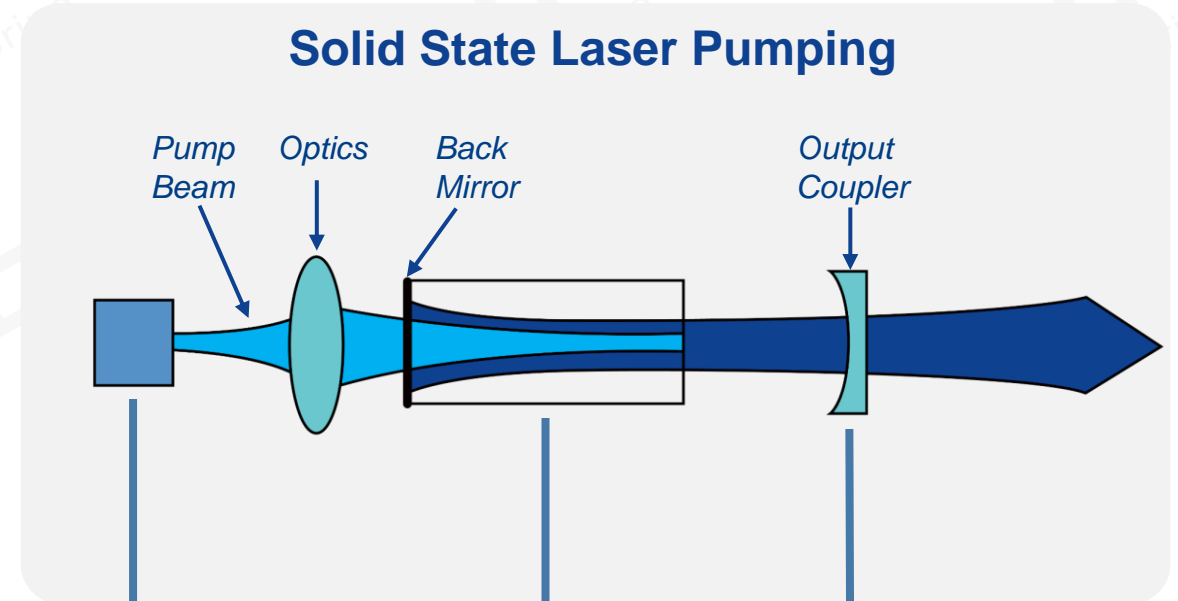


# Typical Applications

## Industrial



- **AuSn pre-deposited ceramic substrates** – stable and reliable thanks to the high thermal conductivity and suitable thermal expansion coefficient;
- **Fast axis collimators (FAC)** – fundamental and efficient solutions for shaping the beam emitted by the pumping sources;
- **Focusing lenses** – coupling the collimated laser beam precisely into the output fiber;

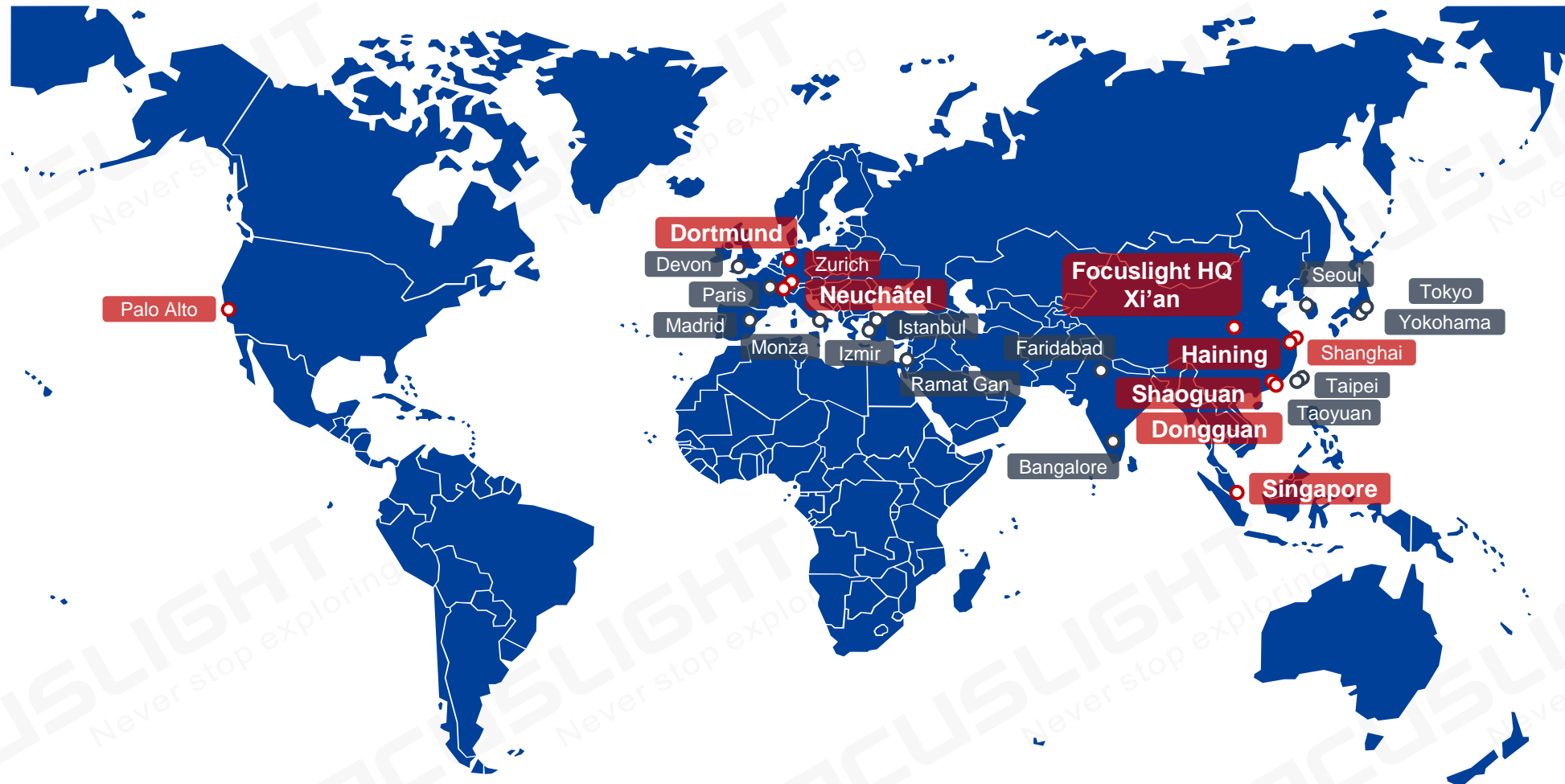


**Diode Laser as Pumping Source** + **Gain Medium** + **Optical System**

**Footprint** ↓ **Reliability** ↑ **Efficiency** ↑ **Cost** ↓



# Sales Network



- Worldwide established distributors
- Direct sales offices in China, Switzerland and US
- Manufacturing site in Xi'an, Dortmund, Dongguan, Haining, Shaoguan, Neuchâtel, and Singapore

## Your committed and reliable long-term partner in photonics components and solutions



Diode laser light source leader and beam shaping expert with strong IP position



One-stop-shop provider of micro-optics choosing from five process technologies best matching customer needs



Global photonics foundry that convert customers' ideas and designs into their own products and solutions



Total solution, versatile customization service and field service provider



Strong RDE capability, high volume production capacity and low-cost manufacturing



Financially healthy and strong financial backing from investors for long term growth

# THANK YOU



[www.focuslight.com](http://www.focuslight.com)  
[www.hptg.com](http://www.hptg.com)

