



Company Introduction

深圳市星汉激光科技股份有限公司
Shenzhen Xinghan Laser Technology Co., Ltd.



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Product Roadmap

02 Quality Assurance
Manufacturing



Part 1

Company Profile
Product Roadmap



Introduction - X Photonics Profile

Found Aug-2017
Location Shenzhen China
Revenue 2021 ~\$100M
Employees > 700
Focus High Power Fiber Coupled Diode Laser
Direct Customer CW and Pulsed Fiber Laser/DDL
End Market Industrial laser/Medical treatment
Consumer lasers/Lidar

R&D Proportion
>30%

Patents
>150+

Annual Output Power
>150 Million W



Introduction - Integration of R&D and Production



Shaofeng Zhou
CEO



Dr Liang Ding
CTO
Laser Chip Expert



Liangjie Huang
Vice Present
Marketing & Sales



Qingping Liu
Operation Director



Allen Fan
Finance Director



Shaohua Liu
Vice Present
Administration



Xiong Cao
Vice Present
HR

Age: Average 42 years old

Experience: Over 15 years

Background: JDSU/Oclro/Rofin/IBM/Maxphotonics

Introduction - X Photonics Business Position

CHIP FIBER

LASER COMPONENT

LASER DEVICE

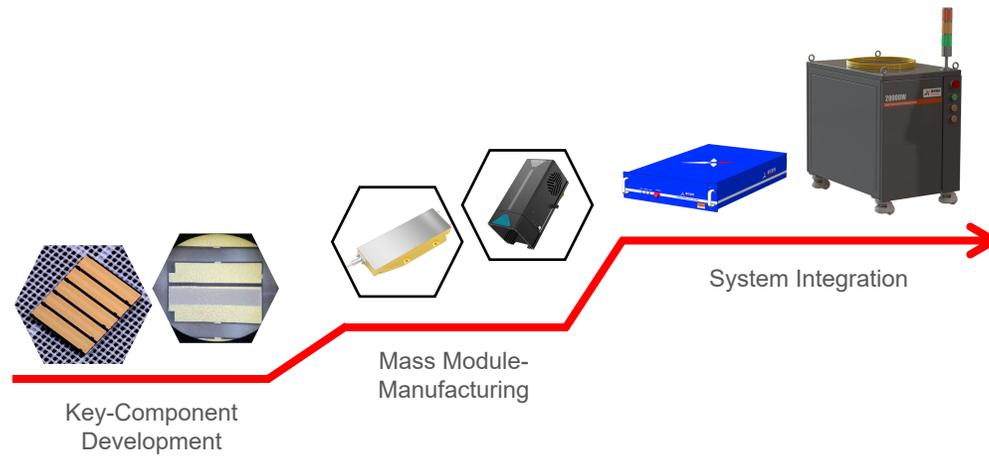
FIBER LASER

EQUIPMENT

APPLICATION

High Power Diode Laser Techniques

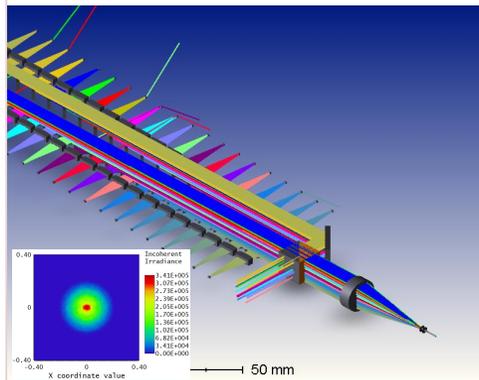
Key Components



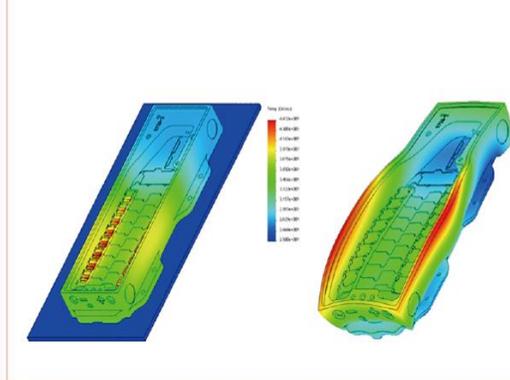
Diode Laser System



Optical Simulation



Thermal Management



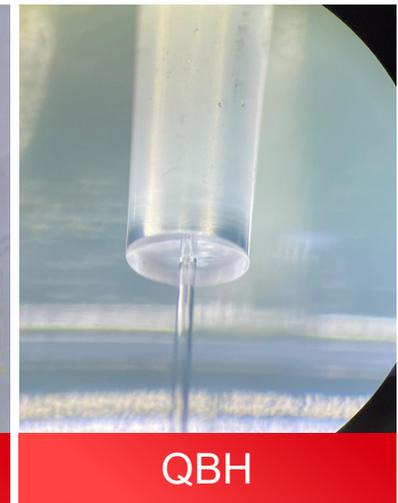
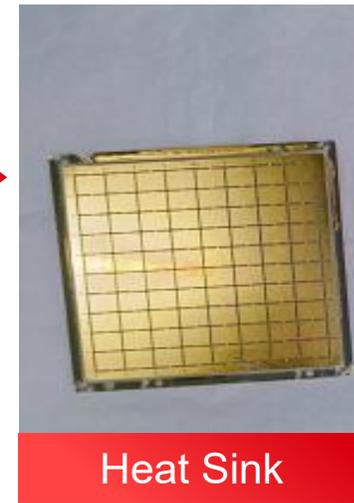
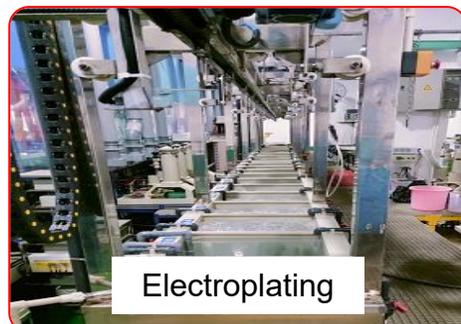
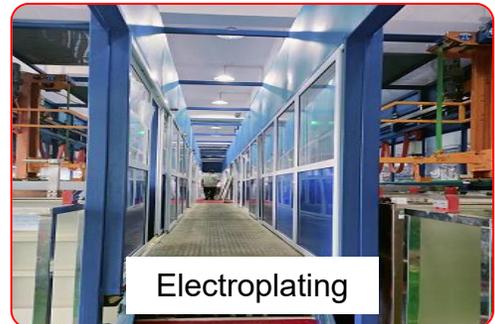
Sub-micron Diode Bonding



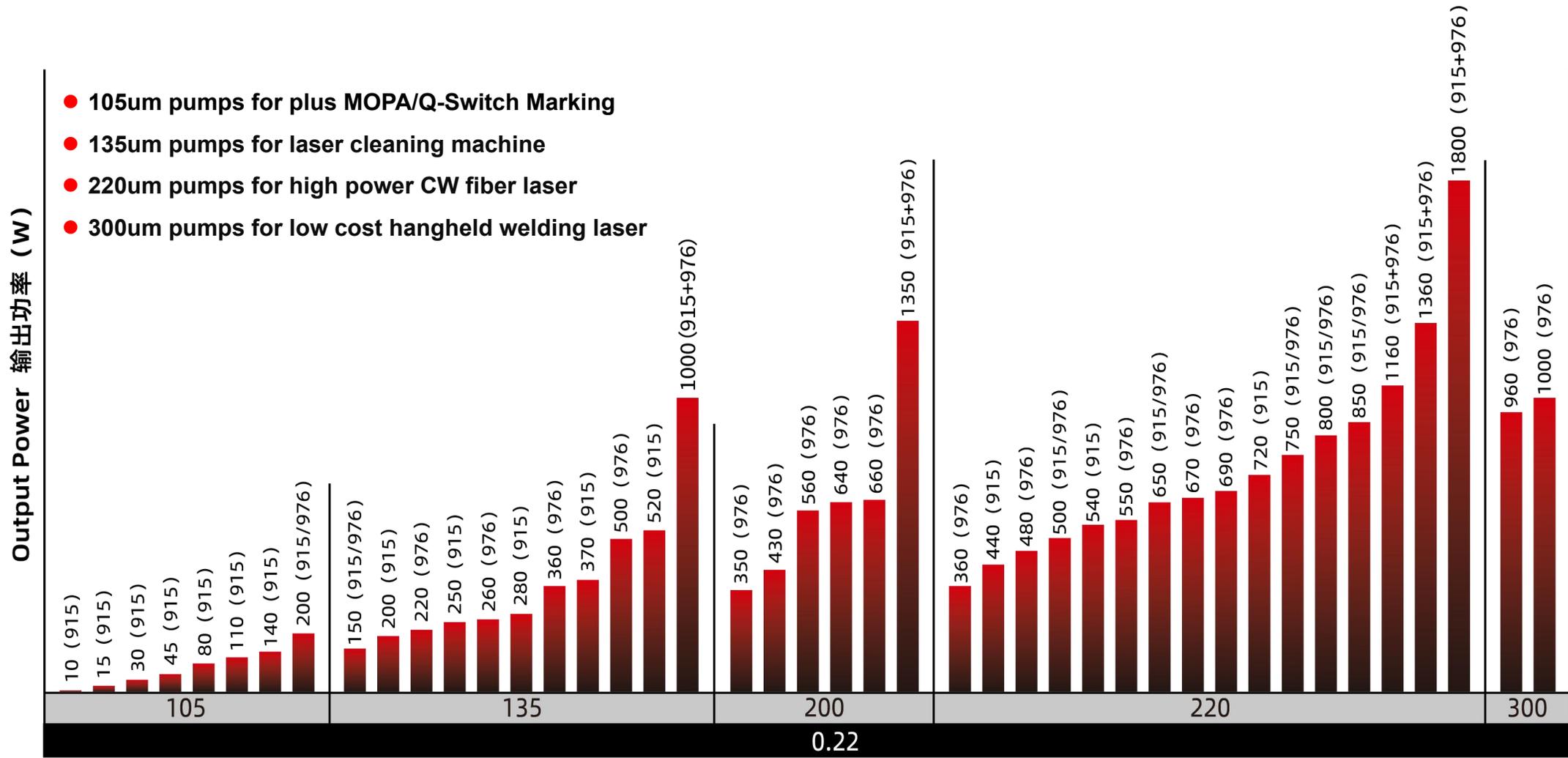
Automated Optical Coupling



Introduction - Key Components Development



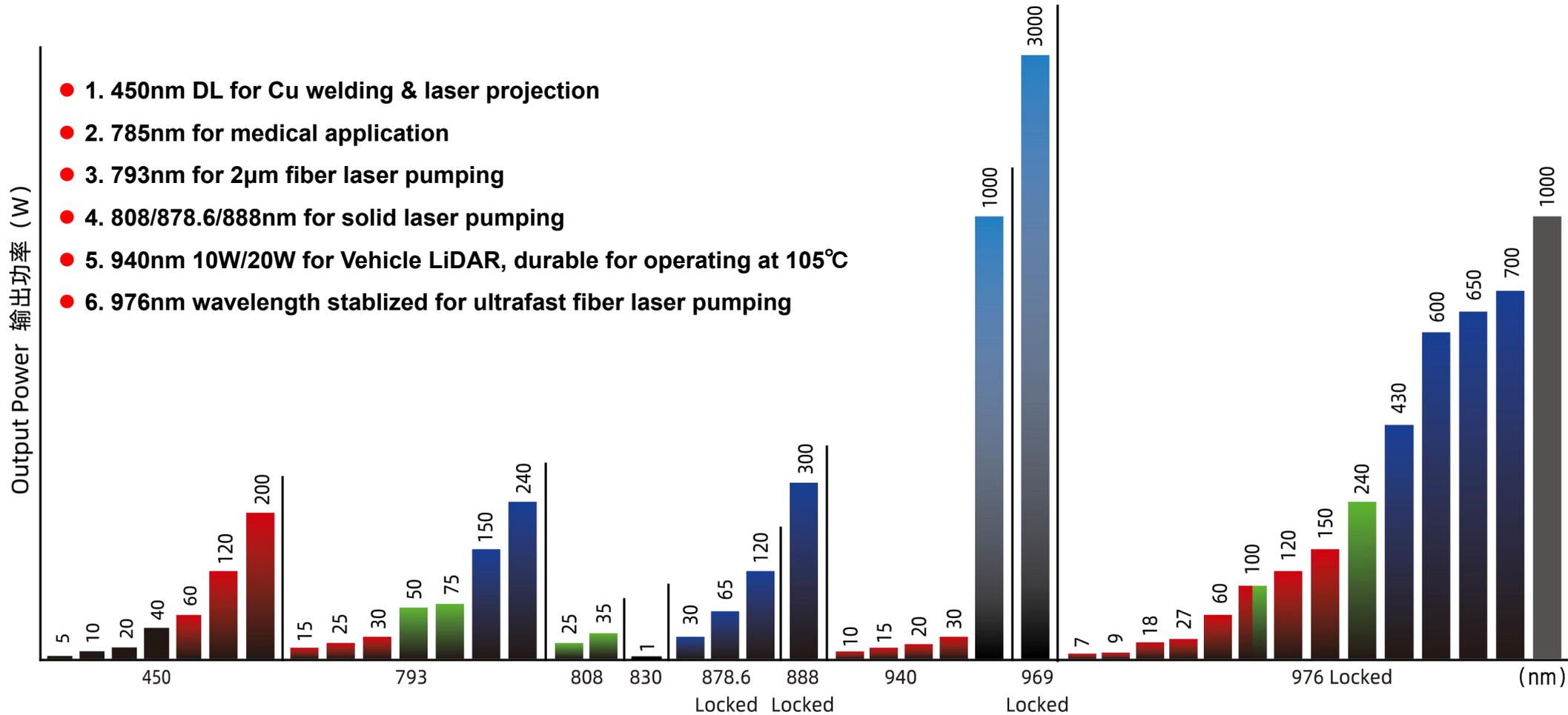
High Power Laser Modules Map



Fiber Core Diameter 纤芯直径 (μm)
 Fiber Numerical Aperture 光纤数值孔径

High Power Laser Modules Map

Fiber Core Diameter 纤芯直径(μm)





Part 2

**Quality Assurance
Manufacturing**



Quality Certifications

ISO9001 - November 2023



ISO14001 - May 2025



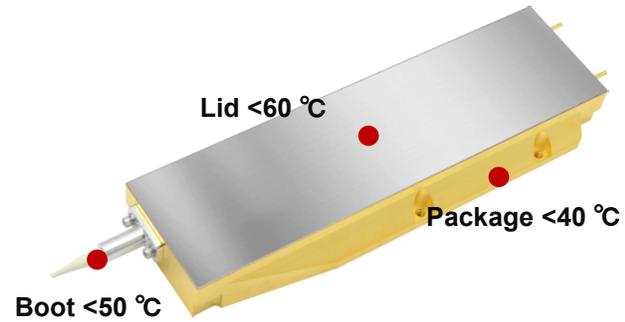
ISO45001 - May 2025



IATF 16949



Excellent heat dissipation



High temperature durability



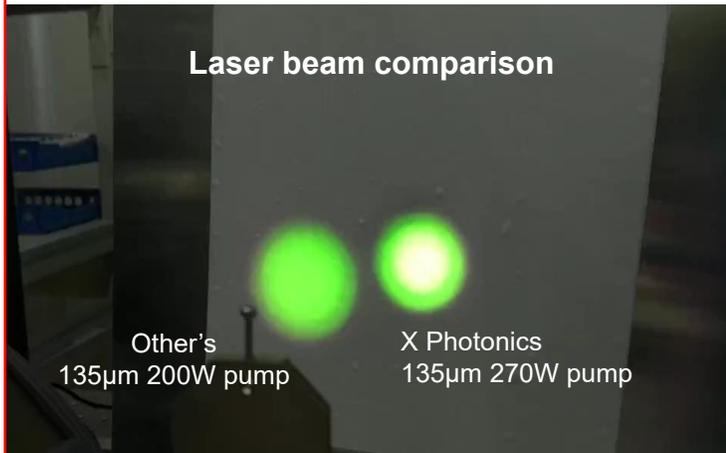
940nm LiDAR Pump

- metalized package
- $105\text{ }^\circ\text{C}$ durable
- Aerospace-grade reliability

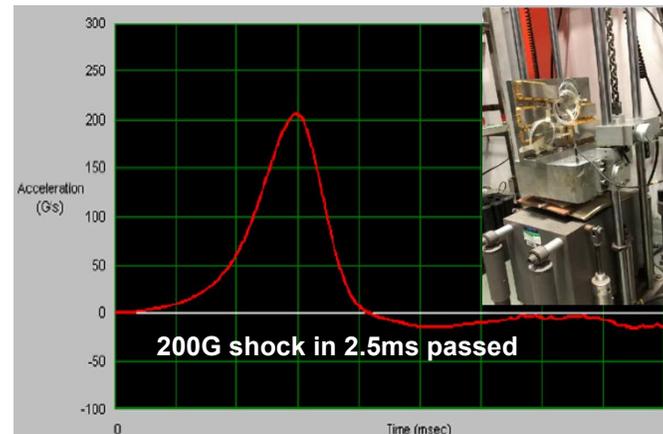
Air-tightness - moisture resistance



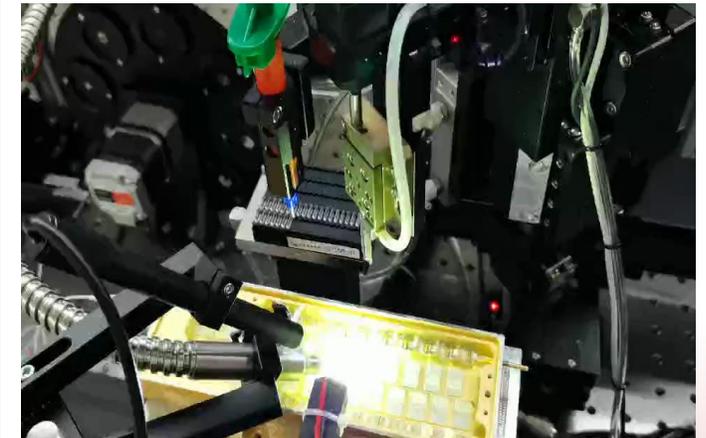
High brightness optical coupling



Robust mechanical design



Automated Optical Coupling



100% Au plating test for each of the package

In-line 100% Leak Test



In-line 100% inspection and process control



In-line 100% COS Inspection and Burn-in



100% modules Level Burn-in and test before shipment



