GLOBAL LASER BOX

Building the World's Most Influential Digital Intelligent Manufacturing Brand

Building 29, No.99 Taihu Road, Tinghu District, Yancheng City, Jiangsu Province, China
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GLOBAL LASER BOX

Metal 3D Printing Mass Production Solution Provider

Core Philosophy

People-Oriented, Digital Innovation Corporate Vision

Corporate Vision

Build the World's Most Influential Digital Intelligent Manufacturing Brand

Corporate Mission

Drive Productivity Transformation in the Global Manufacturing Industry through Innovative Concepts

Corporate Values

Create Value for Partners

The people of Global Laser Box
are always committed to
delivering trust
and striving to deliver
every qualified product!

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1 ABOUT US

Jiangsu Global Laser Box Digital Technology Co., Ltd. (English name: GLB, hereinafter referred to as "Global Laser Box") is a provider of smart factory solutions for metal 3D printing. Utilizing self-developed industrial-grade SLM (Selective Laser Melting) metal 3D printing equipment and software, the company supplies metal 3D printer and products to its clients. Its primary applications include high-end dental, industrial molds, "3C" (Computer, Communication, Consumer Electronics), aerospace, and other fields, supporting large-scale production. Currently, the company operates two SLM metal 3D printer production bases in Yancheng, Jiangsu province and Changde, Hunan province, as well as four 3D printing service bases in Wenzhou, Zhejiang province ; Changde, Hunan province; Yancheng, Jiangsu. The total floor area spans approximately 20,000 square meters, with around 160 employees, of which about 21% are R&D personnel

2 INTELLECTUAL PROPERTY

Over 200 patent applications have been filed,with a head start on laying out plans for core industrialpatents and industry 4.0—like 3D Printing Equipment R&D,3D Printing Smart System,3D Printing Process R&D,Laser Optics and more

Certificate of Invention Patent

Certificate of Utility Model Patent

Certificate of Registration for Computer Software Copyright

Professor Zhao Jiyuan
(Automation)

- Doctoral supervisor and secondary professor
- Deputy Director of the High-end Manufacturing Equipment Collaborative Innovation Center.
- He has been selected into the National talent project, awarded outstanding, contributing young and middle-aged experts, and enjoyed the special allowance of The State Council.
- The ninth batch of 100 people plan in Shaanxi province is long-terminnovative talents .
- More than 20 years of working experience in Siemens Automation.

Professor Liu Shuangyu
(medium and large professional equipment)

- Doctoral supervisor, presided over more than 10 nationaland provincial projects
- "Mass entrepreneurship and innovation talents" in JiangsuProvince
- Now he is the deputy secretary-general of Jilin Provincial Additive Manufacturing Association
- Senior member of China Optical Society

Dr. Jiang Wenbo
(New Implant Technology)

- Vice President of Shanghai Additive Manufacturing Association
- Executive Director of Shanghai Additive Manufacturing Research Institute
- Director of Shanghai 3D Printing highly skilled personnel Training Base
- Deputy Director of the Medical 3D Printing Innovation Research Center of Shanghai Jiao Tong University
- Secretary-general of the National Alliance of the Medical 3D Printing Center

Dr. Deng Liang
(Ph.D. in Materials Science)

- Attach to Shanghai Ninth People's Hospital. He is committed to the research on the intelligent design and manufacturing of personalized orthopedic implant devices, and actively promotes their clinical translation.

LI Yonggang,
Associate Professor
(3D printing software system)

- Mastersdegree
- GeneralmanagerofGuangzhouJinming,asubsidiaryofchromiumleb
- Developedvariouscontrolsystemsincluding SLM,SLLA,SLS,DLP,etc
- AssociateprofessorofGuangdongMechanicalTechnicianCollege
- MemberofGuangdongAdditiveManufacturingAssociation
- MemberofGuangzhouSoftwareAssociation

Dr.FulongZhang
(small professional equipment)

- MastersdegreeDoctorofMechanicalEngineering,Changchun Universityof.
- ScienceandTechnology
- MemberofJilinProvinceAdditiveManufacturing Association.
- Mainlyengagedinlaserprocessing,laserarccomposite welding,
- lightcuring3Dprintingandotheraspectsoftheresearch

Dr.ZhixiangCAI
(opticaldirection)

- MemberoftheStandingCommitteeofLaserProcessing ProfessionalCommitteeofChineseOpticalSociety
- Hehasbeenengagedintheresearchanddevelopment ofmetalSLMandcompositeprinters,advancedceramic laser3Dprintersandmaterials,andscanners

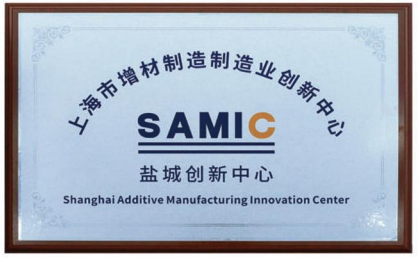
Shi Yang
(Software R&D and Deployment Background)

- Key Member of the SaaS Platform Development Project
- Is responsible for the development and maintenance of core product lines
- Serves as Director of Platform Software Development

INTELLECTUAL PROPERTY

3 QUALIFICATIONS AND HONORS

4 INDUSTRY-UNIVERSITY -RESEARSITY COOPERATION



5 PRINTING EQUIPMENT

GLB-120M

Industrial customized SLM metal 3D printing integrated system

- Ultra small
- Selective metal material packages
- Fully Open Parameter Editing Window
- Permanent filter

Technical parameters: GLB-120M

Parameter	
Basic Dimensions	650mm×600mm×900mm
Build Size	Φ120mm×80mm
Machine Weight	180KG
Performance Parameters	
Layer Thickness	0.02mm-0.06mm
Powder Feeding Method	Top-feed
Spreading Method	One-way
Scanning Speed	7-12m/s
Host Computer Software	Self-developed
Supported Interface Types	RS232/RS485,Ethernet, USB,CANopen
HMI Device	PC
Operating System	Windows10
Motion Component Drive	Servo Motor
Control Software	Self-developed (JYM Build Ⅱ)
Supported File Formats	STL
Data Processing Software	VoxelDance、Magics
Compatibility	
Laser System	Fiber Laser
Scanner System	High-Precision Scanning Module
Laser Beam Spot Size	40-60μm
Laser Power	300/500W
Laser Control System	RTC4
System Protection & Options	
Protective Gas	Nitrogen, Argon
Gas Protection System	Gas Balance Solid-state Recovery System
Equipment Power	Rated Power 3000W
Operating Environment	Temp 25±3°C, Humidity <75%
Auto Shutdown & Monitoring Alarm	Supported

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5 PRINTING EQUIPMENT

GLB-150M

Industrial customized SLM metal 3D printing integrated system

- Large-capacity continuous powder delivery
- Ultra high printing accuracy
- Multiple metal material packages
- Fully Open Parameter Editing Window

Technical parameters: GLB-150M

Parameter	
Basic Dimensions	1280mm×810mm×1860mm
Build Size	Φ150mm×80mm
Machine Weight	650KG
Performance Parameters	
Layer Thickness	0.02mm-0.09mm
Powder Feeding Method	Bottom Feed
Spreading Method	One-way
Scanning Speed	7-12m/s
Host Computer Software	Self-developed
Supported Interface Types	RS232/RS485,Ethernet, USB,CANopen
HMI Device	PC
Operating System	Windows10
Motion Component Drive	Servo Motor
Control Software	Self-developed (JYM Build Ⅱ)
Supported File Formats	STL
Data Processing Software	VoxelDance、Magics
Compatibility	
Laser System	Fiber Laser
Scanner System	High-Precision Scanning Galvanometer
Laser Beam Spot Size	60-80μm
Laser Power	500W×1/×2
Laser Control System	RTC4
System Protection & Options	
Protective Gas	Nitrogen, Argon
Gas Protection System	Gas-Fume Current Recovery System
Equipment Power	Rated Power 4500W
Operating Environment	Temp 25±3°C, Humidity <75%
Auto Shutdown & Monitoring Alarm	Supported

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5 PRINTING EQUIPMENT

GLB-220M

Industrial customized SLM metal 3D printing integrated system

- Large-capacity continuous powder delivery
- Permanent Filter
- Multiple metal material packages
- Fully Open Parameter Editing Window

Technical parameters: GLB-220M

Parameter	
Basic Dimensions	1400mm×780mm×1760mm
Build Size	220mm×160mm×200mm
Machine Weight	650KG
Performance Parameters	
Layer Thickness	0.02mm-0.09mm
Powder Feeding Method	Top Feed
Spreading Method	One-way
Scanning Speed	7-12m/s
Host Computer Software	Self-developed
Supported Interface Types	RS232/RS485,Ethernet, USB,CANopen
HMI Device	PC
Operating System	Windows10
Motion Component Drive	Servo Motor
Control Software	Self-developed (JYM Build Ⅱ)
Supported File Formats	STL
Data Processing Software	VoxelDance、Magics
Compatibility	
Laser System	Fiber Laser
Scanner System	High-Precision Scanning Galvanometer
Laser Beam Spot Size	60-80μm
Laser Power	500W×2
Laser Control System	RTC4
System Protection & Options	
Protective Gas	Nitrogen, Argon
Gas Protection System	Gas-Fume Current Recovery System
Equipment Power	Rated Power 5000W
Operating Environment	Temp 25±3°C, Humidity <75%
Auto Shutdown & Monitoring Alarm	Supported

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5 PRINTING EQUIPMENT

GLB-330M

Industrial customized SLM metal 3D printing integrated system

- Bi-directional Circulating Recoater
- Multiple metal material packages
- Fully Open Parameter Editing Window
- High Efficiency Printing Speed

Technical parameters: GLB-330M

Parameter	
Basic Dimensions	2200mm×1150mm×2100mm
Build Size	330mm×330mm×300mm
Machine Weight	1100KG
Performance Parameters	
Layer Thickness	0.02mm-0.09mm
Powder Feeding Method	Top Feed
Spreading Method	Two-way/bi-directional
Scanning Speed	7-12m/s
Host Computer Software	Self-developed
Supported Interface Types	RS232/RS485,Ethernet, USB,CANopen
HMI Device	PC
Operating System	Windows10
Motion Component Drive	Servo Motor
Control Software	Self-developed (JYM Build Ⅱ)
Supported File Formats	STL
Data Processing Software	VoxelDance、Magics
Compatibility	
Laser System	Fiber Laser
Scanner System	High-Precision Scanning Galvanometer
Laser Beam Spot Size	70-100μm
Laser Power	500W×2
Laser Control System	RTC4
System Protection & Options	
Protective Gas	Nitrogen, Argon
Gas Protection System	Gas-Fume Current Recovery System
Equipment Power	Rated Power 8KW
Operating Environment	Temp 25±3°C, Humidity <75%
Auto Shutdown & Monitoring Alarm	Supported

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5 PRINTING EQUIPMENT

GLB-400M

Industrial customized SLM metal 3D printing integrated system

- Bi-directional Circulating Recoater
- Multiple metal material packages
- Fully Open Parameter Editing Window
- High Efficiency Printing Speed

Technical parameters: GLB-400M

Parameter	
Basic Dimensions	1260mm×1650mm×2200mm
Build Size	390mm×380mm×300mm
Machine Weight	1500KG
Performance Parameters	
Layer Thickness	0.02mm-0.09mm
Powder Feeding Method	Top Feed
Spreading Method	Two-way/bi-directional
Scanning Speed	7-12m/s
Host Computer Software	Self-developed
Supported Interface Types	RS232/RS485,Ethernet, USB,CANopen
HMI Device	PC
Operating System	Windows10
Motion Component Drive	Servo Motor
Control Software	Self-developed (JYM Build Ⅱ)
Supported File Formats	STL
Data Processing Software	VoxelDance、Magics
Compatibility	
Laser System	Fiber Laser
Scanner System	High-Precision Scanning Galvanometer
Laser Beam Spot Size	70-100μm
Laser Power	500W×2/4/6
Laser Control System	RTC4
System Protection & Options	
Protective Gas	Nitrogen, Argon
Gas Protection System	Gas-Fume Current Recovery System
Equipment Power	Rated Power 10KW
Operating Environment	Temp 25±3°C, Humidity <75%
Auto Shutdown & Monitoring Alarm	Supported

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5 PRINTING EQUIPMENT

GLB-420M

Industrial customized SLM metal 3D printing integrated system

- Bi-directional Circulating Recoater
- Fully Open Parameter Editing Window
- Multiple metal material packages
- High Efficiency Printing Speed

Technical parameters: GLB-420M

Parameter	
Basic Dimensions	1990mm×1470mm×2180mm
Build Size	420mm×380mm×300mm
Machine Weight	1700KG
Performance Parameters	
Layer Thickness	0.02mm-0.09mm
Powder Feeding Method	Top Feed
Spreading Method	Two-way/bi-directional
Scanning Speed	7-12m/s
Host Computer Software	Self-developed
Supported Interface Types	RS232/RS485,Ethernet, USB,CANopen
HMI Device	PC
Operating System	Windows10
Motion Component Drive	Servo Motor
Control Software	Self-developed (JYM Build Ⅱ)
Supported File Formats	STL
Data Processing Software	VoxelDance、Magics
Compatibility	
Laser System	Fiber Laser
Scanner System	High-Precision Scanning Galvanometer
Laser Beam Spot Size	70-100μm
Laser Power	500W×2/4/6
Laser Control System	RTC4
System Protection & Options	
Protective Gas	Nitrogen, Argon
Gas Protection System	Gas-Fume Current Recovery System
Equipment Power	Rated Power 10KW
Operating Environment	Temp 25±3°C, Humidity <75%
Auto Shutdown & Monitoring Alarm	Supported

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5 PRINTING EQUIPMENT

GLB-720M

Industrial customized SLM metal 3D printing integrated system

- Bi-directional Circulating Recoater
- Fully Open Parameter Editing Window
- Multiple metal material packages
- Variable Large Format Uniform Flow Field

Technical parameters: GLB-720M

Parameter	
Basic Dimensions	2720mm×1470mm×2870mm
Build Size	720mm×380mm×300mm
Machine Weight	2600KG
Performance Parameters	
Layer Thickness	0.03mm-0.09mm
Powder Feeding Method	Top Feed
Spreading Method	Two-way/bi-directional
Scanning Speed	7-12m/s
Host Computer Software	Self-developed
Supported Interface Types	RS232/RS485,Ethernet, USB,CANopen
HMI Device	PC
Operating System	Windows10
Motion Component Drive	Servo Motor
Control Software	Self-developed (JYM Build Ⅱ)
Supported File Formats	STL
Data Processing Software	VoxelDance、Magics
Compatibility	
Laser System	Fiber Laser
Scanner System	High-Precision Scanning Galvanometer
Laser Beam Spot Size	70-100μm
Laser Power	500W×4/8
Laser Control System	RTC4
System Protection & Options	
Protective Gas	Nitrogen, Argon
Gas Protection System	Gas-Fume Current Recovery System
Equipment Power	Rated Power10KW
Operating Environment	Temp 25±3°C, Humidity <75%
Auto Shutdown & Monitoring Alarm	Supported

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5 PRINTING EQUIPMENT

GLB-800M

Industrial customized SLM metal 3D printing integrated system

- Bi-directional Circulating Recoater
- Multiple metal material packages
- Fully Open Parameter Editing Window
- Variable Large Format Uniform Flow Field

Technical parameters: GLB-800M

Parameter	
Basic Dimensions	8500mm×4500mm×4970mm
Build Size	820mm×630mm×1200mm
Machine Weight	25000kg
Performance Parameters	
Layer Thickness	0.03mm-0.15mm
Powder Feeding Method	Top Feed
Spreading Method	Two-way/bi-directional
Scanning Speed	7-12m/s
Host Computer Software	Self-developed
Supported Interface Types	RS232/RS485,Ethernet, USB,CANopen
HMI Device	PC
Operating System	Windows10
Host-Controller Comm Protocol	Modbus Standard Protocol
Motion Component Drive	Servo Motor
Control Software	Self-developed (JYM Build Ⅱ)
Supported File Formats	STL
Data Processing Software	VoxelDance、Magics
Compatibility	
Laser System	Fiber Laser
Scanner System	High-Precision Scanning Galvanometer
Laser Beam Spot Size	70-100μm
Laser Power	500W×6/8/10/12
Laser Control System	RTC5
System Protection & Options	
Protective Gas	Nitrogen, Argon
Gas Protection System	Gas-Fume Current Recovery System
Equipment Power	Rated Power ≤45kw
Operating Environment	Temp 25±3°C, Humidity <75%
Auto Shutdown & Monitoring Alarm	Supported

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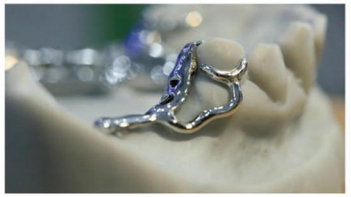
6 APPLICATIONS (Biomedical)

Metal 3D Printed Cobalt-Chromium Dental Crown

Metal 3D Printed Titanium Alloy Human Jawbone



Metal 3D Printed Titanium Stent

Metal 3D Printed Titanium Alloy Bar Clasp

Metal 3D printing is demonstrating remarkable capabilities in the biomedical field. By utilizing scan data and employing manual or AI-based modeling to match patients' specific conditions, it enables the production of highly customized prosthetic implants. Furthermore, owing to the wide range of material options available in metal 3D printing, materials with high biocompatibility—such as titanium or aluminum alloys—can be selected for fabricating these implants

Industrial molds

Metal 3D printing will become an important supplement in the mold production process.In traditional mold machining, the processing of complex-shaped parts involves multi-surface machining and EDM (electrical discharge machining), which often leads to high production costs and low efficiency. Metal 3D printing, however, not only enables one-step forming but also reduces costs and improves efficiency

Metal 3D Printed Pop-corn mold

Metal 3D Printed Silicone Mold Middle Frame

Metal 3D Printed Conformal Cooling Channel

Metal 3D Printed Porous Steel / Venting Steel

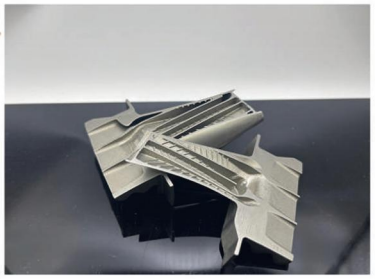
Metal 3D Printed Insert

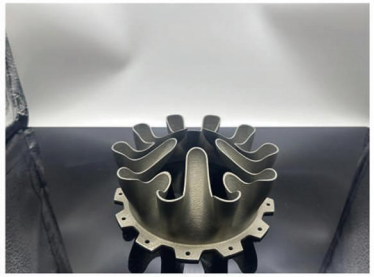
Metal 3D Printed Lifter / Angle Pin

Military and Aerospace

Metal 3D-printed engines in aerospace have super powerful material performance and greatly extend their service life at the same time

Metal 3D Printed Blade (Cutaway View).
As engine blades require excellent airflow guidance, complex internal air passages and structures need to be added.
Metal 3D printing can manufacture this product in one step, improving production efficiency

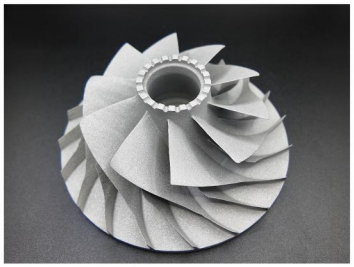




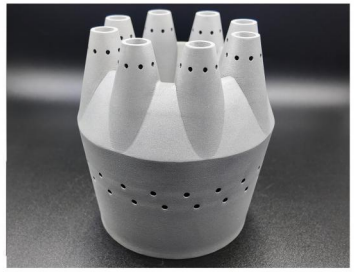
The Metal 3D-Printed High-Temperature Turbofan demands exceptional heat resistance and deformation resistance. Traditional machining not only involves a long production cycle but also results in low yield rates. In contrast, 3D printing technology not only effectively addresses challenges such as mass production but also shortens the production cycle by 50%

Military and Aerospace

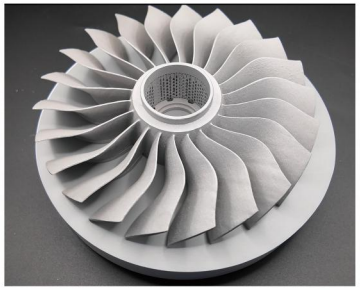
Metal 3D Printing, specializing in high-strength heat-resistant alloys, enables integrated forming of complex components for the military and aerospace sectors, delivering cutting-edge performance and reliability to equipment



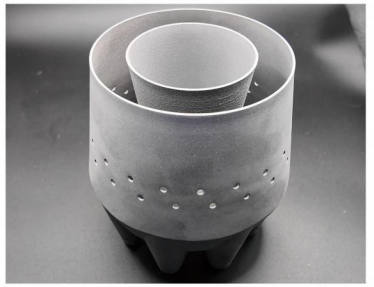
Impeller



Combustion Chamber



Impeller



Combustion Chamber

Military and Aerospace
Military and Aerospace

Cultural and creative products

Koi Ornament
(Breathable Steel)

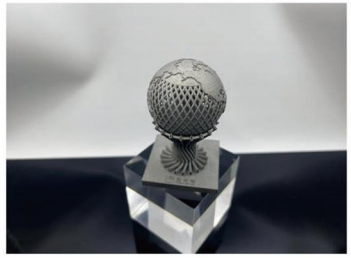
Dragon-head Seal
(Breathable Steel)

Pendant Ornament
(Titanium Alloy)

Cultural and creative products

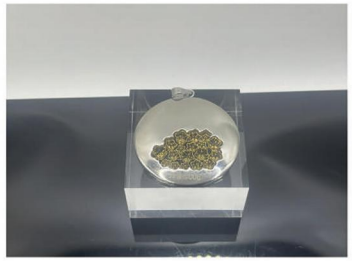
These days, consumers are looking for all kinds of personalized designs when it comes to cultural and creative products and accessories—and 3D printing technology fits this market demand perfectly

Customized Gift



Creative Artwork

Anime Models



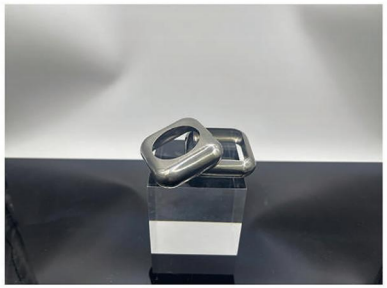
Accessories / Jewelry

Cultural and creative products

Cultural and creative products

Prototype

Metal 3D printing aids prototype manufacturing. Metal 3D printing directly prints the product based on 3D data, allowing customers to make modifications on the printed product and assess feasibility



7 Core Advantages

As the group headquarters, Jiangsu Global Laser Box Digital Technology Co., Ltd. possesses a comprehensive R&D system and is also the R&D base for equipment, processes, software, and solutions. Our R&D personnel account for 21% of the staff, with over 10 people holding a Master's degree or higher

3D PRINT 打印 湖南产业化基地

3D PRINT 打印 江苏产业化基地

3D PRINT 打印 浙江产业化基地

万疆高科 WAN JIANG HI TECH

We have a total of four major production bases, covering the Yangtze River Delta region and the central and western regions. We have over 200 metal 3D printing equipment units. Global Laser Box's delivery capability is among the top in the industry

8 Sales network

Comprehensive Market Coverage

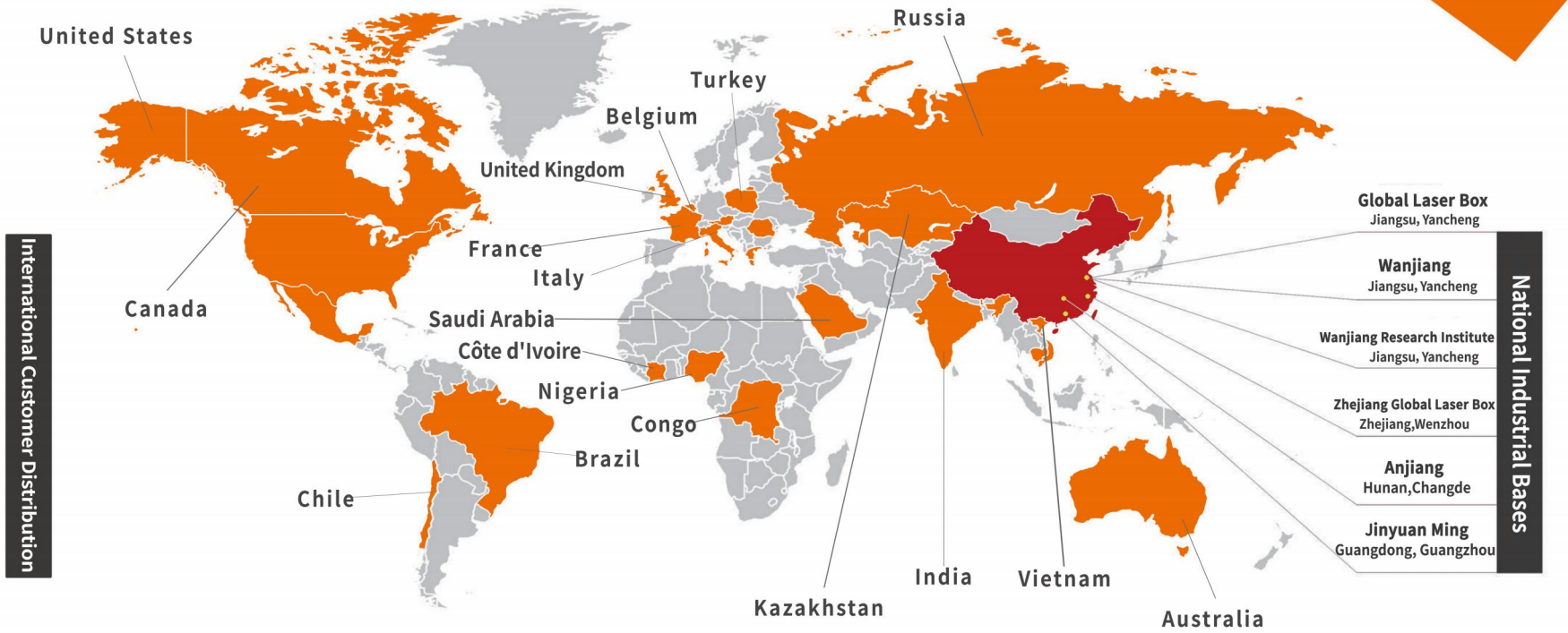
Through the comprehensive layout of domestic and international sales networks, we achieve broad coverage of target markets

Efficient Service System

A complete after-sales service network and logistics service system ensure timely resolution of customer issues and rapid product delivery

Professional Sales Team

We possess professional international and domestic management teams and provide customers with professional and efficient service



GLB has set up industrial bases in Yancheng, Jiangsu,Changde, Hunan, and Wenzhou, Zhejiang. Its sales network reaches India, the United States, Chile, Vietnam, Brazil, Turkey, Belgium, France, Australia, Kazakhstan, and other countries. Also, the number of global regional agents has surpassed 50, so as to boost comprehensive distribution channels across Asia, Europe, Africa, and the Americas