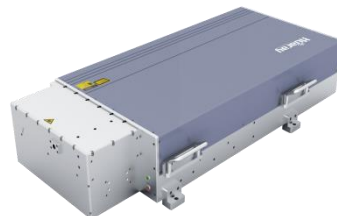


Product Lines

Key Component

Solid lasers, gas lasers, ultra-fast lasers and components



Lock-mode fiber fs/ps seed source
Nanosecond Solid Laser
Picosecond Solid Laser
Festo-second fiber laser
◀ Ana second fiber laser



Digital continuous laser power
Pulsed laser power
Continuous laser power
Combination of linear motors
◀ Linear motor X-Y platform

Product Lines

Laser precision equipment

Welding/Marking/PCB light smart/brittle material light blade/automation/new energy



Fiber laser marking series



End pump marking series



CO2 series



Flying marking series

◀ Marking



Nano second series



Semiconductor series



QCW series

◀ Welding

Product Lines

Laser precision equipment

Welding/Marking/PCB light smart/brittle material light blade/automation/new energy



PCBA Marking



Light-smart ultra-fast cutting machine



◀ New energy



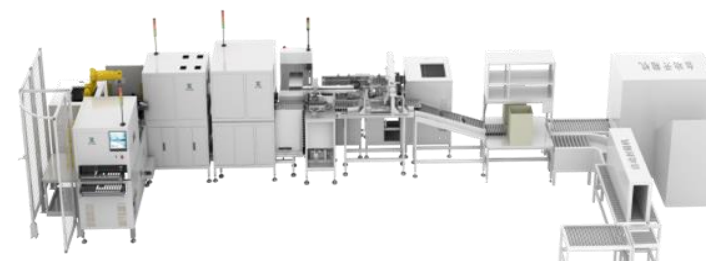
Light blade brittle material cutting



Light blade cracker

◀ Light smart

◀ Light blade



◀ Automation

Product Lines

Intelligent Equipment Business Group

HIGH POWER LASER CUTTING



MARVEL/DF series



LT/TP series



GF plus series

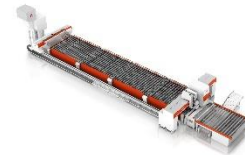


AUTOBOT/SF series



Sheet Metal
Auto Storage System

PLASMA CUTTING



- TRIDENT PLUS
- HALBERD
- TRIDENT
- APOLLO

HIGH RATE LASER WELDING



- Car white body
- Auto parts industry
- Pressure vessel industry
- Kitchen & Bath industry
- Military research

Technology Innovation

Technology and products serve important areas of the national economy



3C Electronics

Britten material cutting, metal/non-metal marking, welding, cutting, punching, soldering, coating removal



Automotive

Parts, body welding, 3D cutting, automotive electronics



Daily consumer

Flight markings, phase III markings, punching



Sheet metal processing

Engine blade punching, aircraft fuselage welding, gyroscope, rail transit laser



Medical

Minimally invasive intervention device marking, pacemaker/tube clamp welding



Rail transportation

Laser nanomaterial preparation, thin-film semiconductor material preparation, 3D cutting, laser thick plate cutting, missile shell welding, marine sandwich board welding



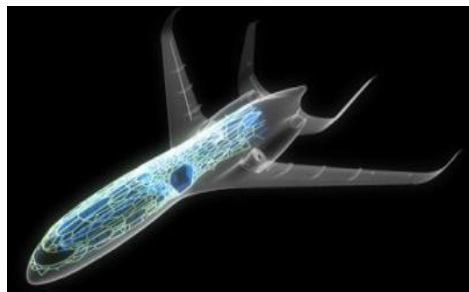
New Energy

Force battery welding, extreme ear cutting, aluminum shell battery cover automatic production line, battery side sealing nail automatic welding wire



Military

Agricultural machinery cutting, pipe cutting, laser welding



Technology Innovation



3C Electronics Industry

Smart phone solutions: mobile phone, laptop, wearable device

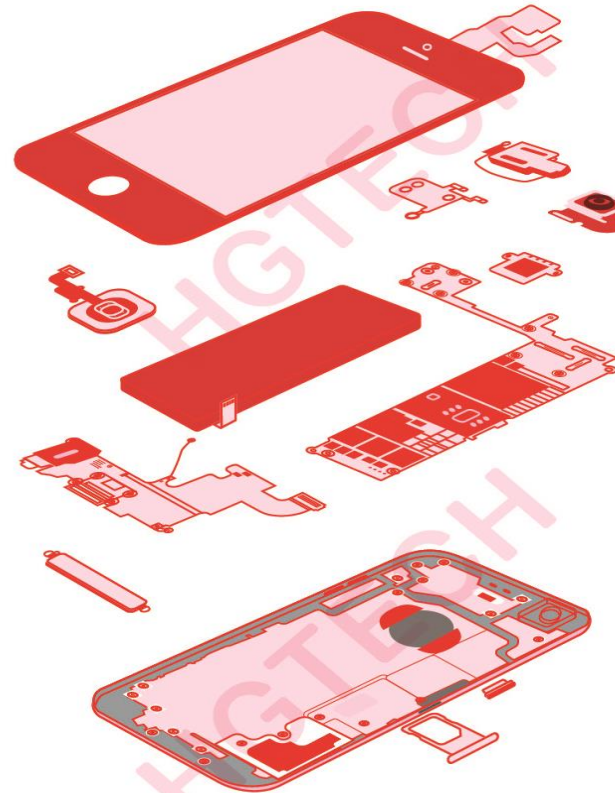
- Display**
- Laser Marking
 - CG 2D Barcode Marking
 - ▲ Film Cutting
 - ▲ TouchSensor Foil Cutting
 - ◆ ELA
 - ◆ PAD Cutting
 - ◆ Glass Welding
 - LDI
 - Ink Ablation
 - ▲ Metal Cutting
 - ▲ Explosion-Proof Film Cutting
 - ◆ Glass Cutting
 - ◆ Laser Repair
 - ◆ Laser Lift-off

- Antenna**
- Antenna Welding
 - ▲ LCP Laser Drilling
 - ▲ LCP Laser Cutting

- Battery**
- Laser Cleaning
 - Pole Welding
 - ▲ Pole Sheet Cutting
 - Metal Grooving
 - Tab Welding
 - ▲ Metal Cutting

- Wireless Charge**
- Wire Stripping
 - Wire Cutting
 - Nanocrystalline Cutting
 - Laser Soldering
 - Magnet Sheet Cutting
 - Ink Ablation
 - Burrs Ablation
 - ▲ FPC Cutting

- Accessory**
- Charger Marking
 - Charger Welding
 - PCB 2D Laser Etching
 - Auto Artwork Laser Marking
 - Hipot Testing
 - Cable Marking
 - Cable Lightning Welding
 - Auto SN-Programming
 - Auto Marking Inspection
 - FilmWrapping & Packing



- Face ID**
- Rcam HSG 2D Barcode Marking
 - Metal Welding
 - Flip Welding
 - ▲ FPC Cutting

- Taptic Engine**
- HSG 2D Barcode Marking
 - Coil De-Coating
 - Coil Cutting
 - FPC Coil Laser Soldering
 - Overflow Trimming
 - Inner Components Welding
 - HSG Welding

- Mother Board**
- Shield Cover 2D Barcode Marking
 - ▲ PCB Drilling
 - Board Welding
 - ▲ PCB 2D Barcode Marking

- HSG**
- 2D Barcode Marking
 - PVD De-Coating
 - High Power Welding
 - Volumn Button Welding
 - Power Button Welding
 - PU De-Coating
 - Inner Metal Welding
 - Nuts Welding
 - Ring Switch Welding
 - ▲ Gate Cutting

- Speaker**
- Film Cutting
 - Microphone 2D Barcode Marking
 - Voice Coil De-Coating
 - 2D Barcode Marking
 - Electro-acoustic Ring Cutting
 - Speaker Welding

- Rear Camera**
- 2D Barcode Marking
 - PVD Decoating
 - VCM Motor Welding
 - ▲ FPC Cutting
 - ◆ Polymer Pad Cutting
 - Camera Module Bracket Welding
 - Metal Engraving
 - Ablation Of Camera's Burrs
 - Rcam De-flash
 - ◆ Camera Window Sapphire Cutting and Drilling

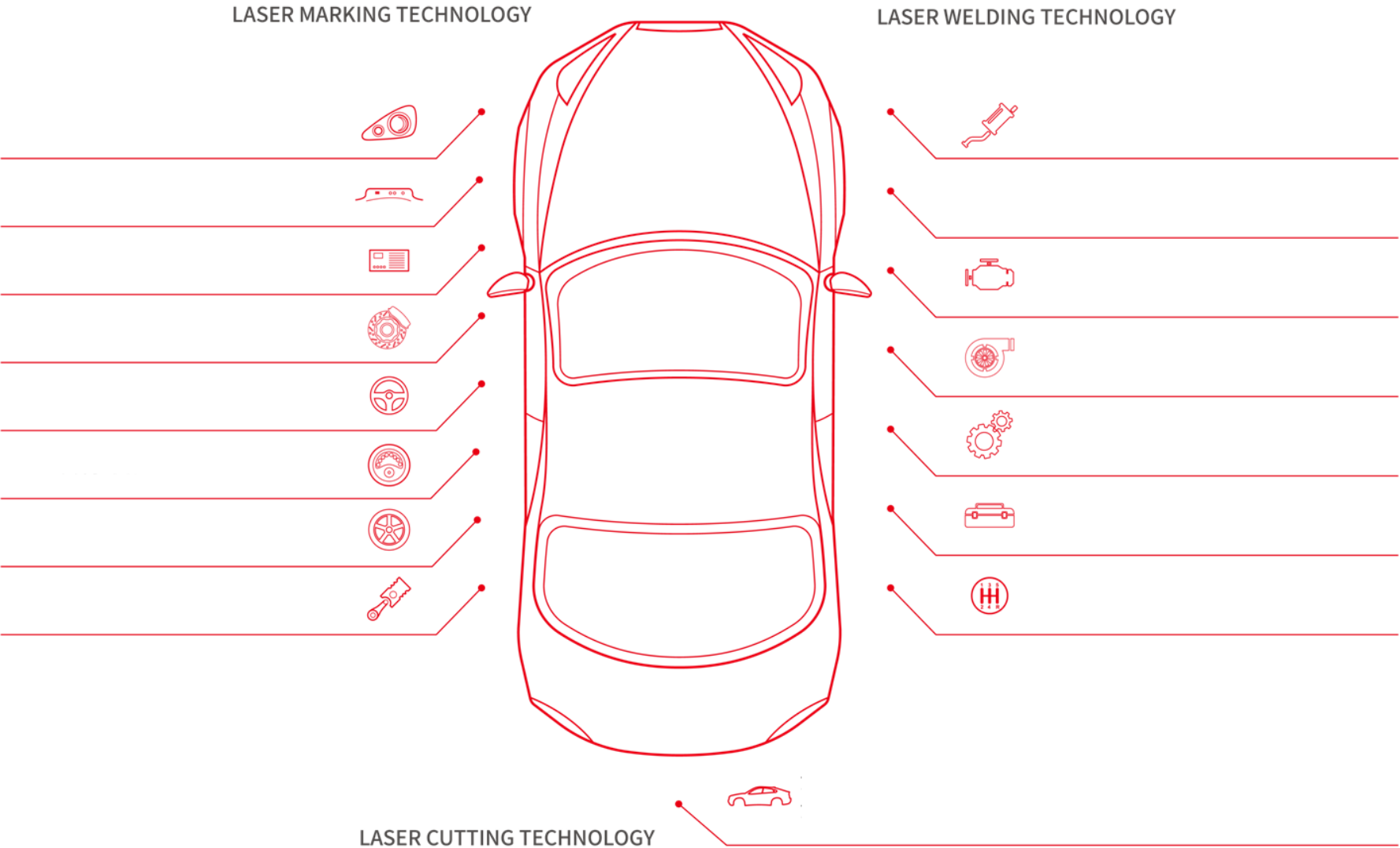
■ Marking ○ Welding ▲ Cutting ◆ Micromachining ● Automation

Technology Innovation

**AUTO Industry**

By Project of “High Quality and Efficient Laser welding on Auto Industry”

HGLASER won the "National Science and Technology Progress First Prize”



Technology Innovation



Consumer Goods Industry

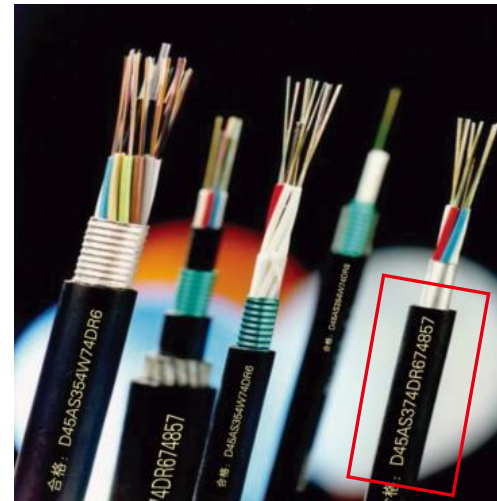
Food And Medical Traceability, Automatic Flying Marking, 3D Marking, Drilling.



▲
Three level marking
Food And Medical



▲
2D code marking
Milk Powder, Beverage



▲
Long text marking
Building Materials



▲
Drilling on-line
Others

Technology Innovation



Healthcare Industry

Used In Minimally Invasive Interventional Surgical Instruments, Medical Implants, In Vitro Diagnostic Instruments, Surgical Tools, Disposable Supplies, And Packaging.

Preferred Tool

For Medical Device Processing

Process Feature

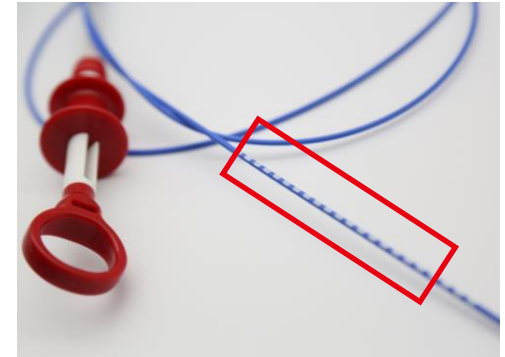
- Un-Contact
- Pollution Free
- High Precision
- Good Effect
- Security
- Permanent



Needle Laser Marking



Metal Plate



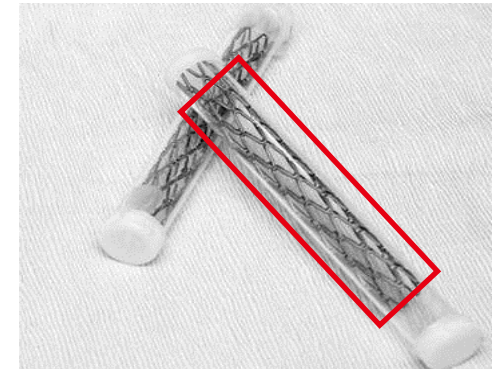
Minimally Invasive Surgical Instrument Mark Line



Laser Welding Of Medical Biopsy Forceps



Pacemaker Welding



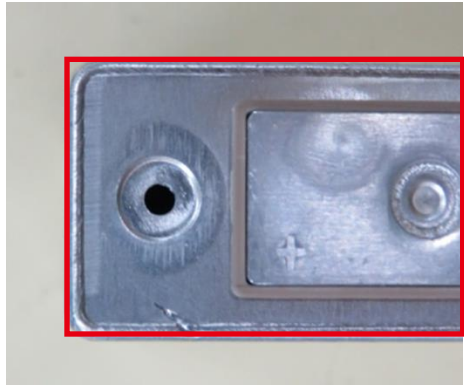
Coronary Artery Stents Cutting

Technology Innovation

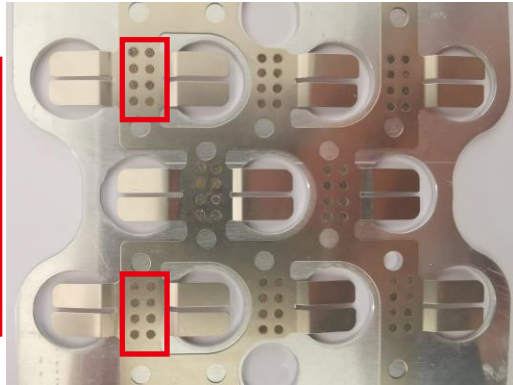


New Energy Industry

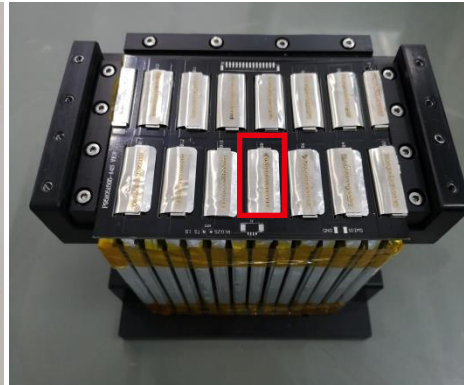
Explosion-Proof Valve Welding, Flip Piece Welding, Spine Welding, Pack Module Welding, Liquid Injection Port Cleaning, Liquid Injection Port Welding, Pole Ear Soft Connection Welding, Sealing Nail Welding, Busbar Welding



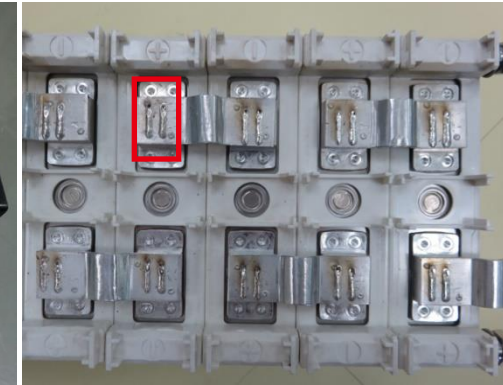
▲
Square Aluminum Case Battery
The Battery Sealing



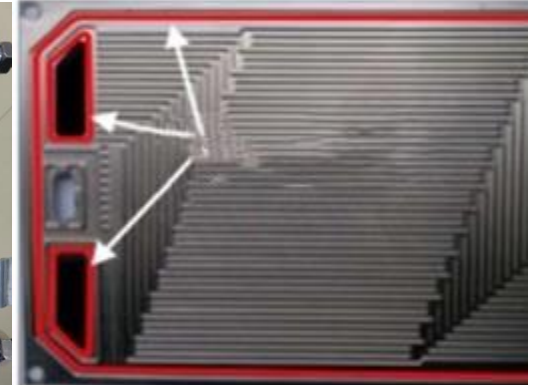
▲
Cylindrical Battery Module
Bus Spot Welding



▲
Soft Pack Battery Module
The Battery Welding



▲
Square Aluminum Case Battery
Bus Spot Welding



▲
Seal welding of Hydrogen Fuel
Bipolar Plate

Technology Innovation



Sheet Metal Processing Industry

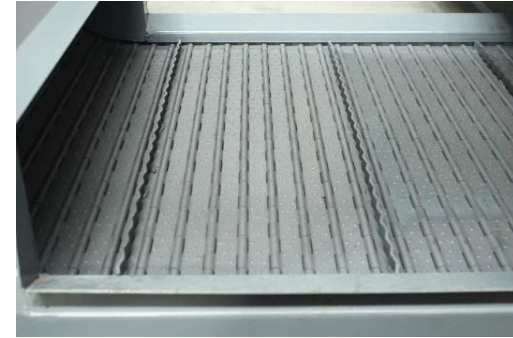
Sheet Metal Cutting, Agricultural Mechanical Cutting, Tube cutting, Laser welding



Sheet Metal Welding By Hand-Held
Welding Machine



High Power Laser Cutting



FMSR Flexible
Production Line Cutting

Technology Innovation



Rail Transit Industry

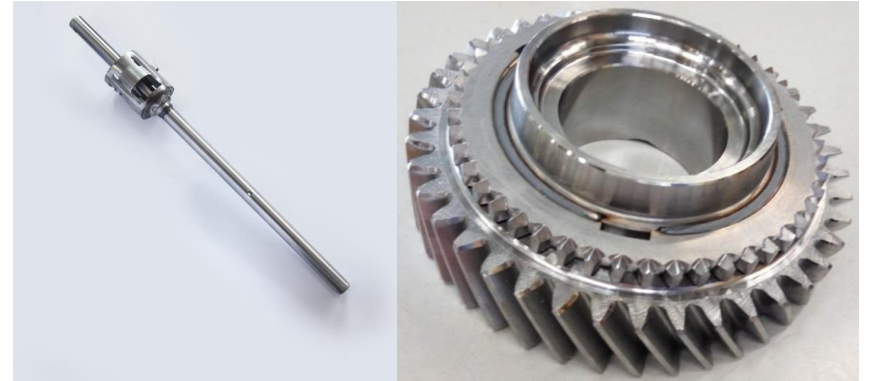
Engine blade drilling, aircraft fuselage welding, gyroscope, rail transit laser remanufacturing, ship plate Laser cutting and welding



▲
Thin Sheet Cutting



▲
Pipe Cutting



▲
Fully Automatic Welding For Auto Parts

Technology Innovation



Military Industry

Laser Nanomaterial Preparation, Thin Film Semiconductor Material Preparation, 3D Cutting , High thickness Plate Cutting, Missile Shell Welding , Marine Sandwich Board Welding.



▲
Military Parts Cutting



▲
3D 5-Axis Laser Cutting

Intelligent Factory

Customized Automation Product

f o r H i g h e r G l o r y i n m a n u f a c t u r i n g



f o r H i g h e r G l o r y i n m a n u f a c t u r i n g

Intelligent Real-Time Monitoring



LASER SOLUTIONS

CUTTING



WELDING



AUTOMATION



**INTELLIGENT
FACTORY**



LASER CUTTING SYSTEM

HIGH POWER

Control the core competitiveness

<https://youtu.be/3bNBmQJGEx0>



LASER CUTTING SYSTEM

MIDDLE POWER

Beyond expectations

<https://youtu.be/hDQ2mAGbxe8>



LASER CUTTING SYSTEM

SHEET METAL AUTO STORAGE SYSTEM

Intelligent manufacture

<https://youtu.be/W5OcWTm701U>



/ LASER CUTTING SYSTEM

TUBE CUTTING

Automatic&Efficient

<https://youtu.be/AabGR8xJP9g>



LASER CUTTING SYSTEM

5 AXIS 3D CUTTING SYSTEM

Superior strength

<https://youtu.be/CITuMELBxUc>



LASER WELDING SYSTEM

LASER AUTO WELDING SYSTEM

Lean production

<https://www.youtube.com/watch?v=rwFyJVebbeo>



AUTOMOTIVE AUTOMATION PRODUCT LINE

AUTOMOBILE LASER WELDING EQUIPMENT

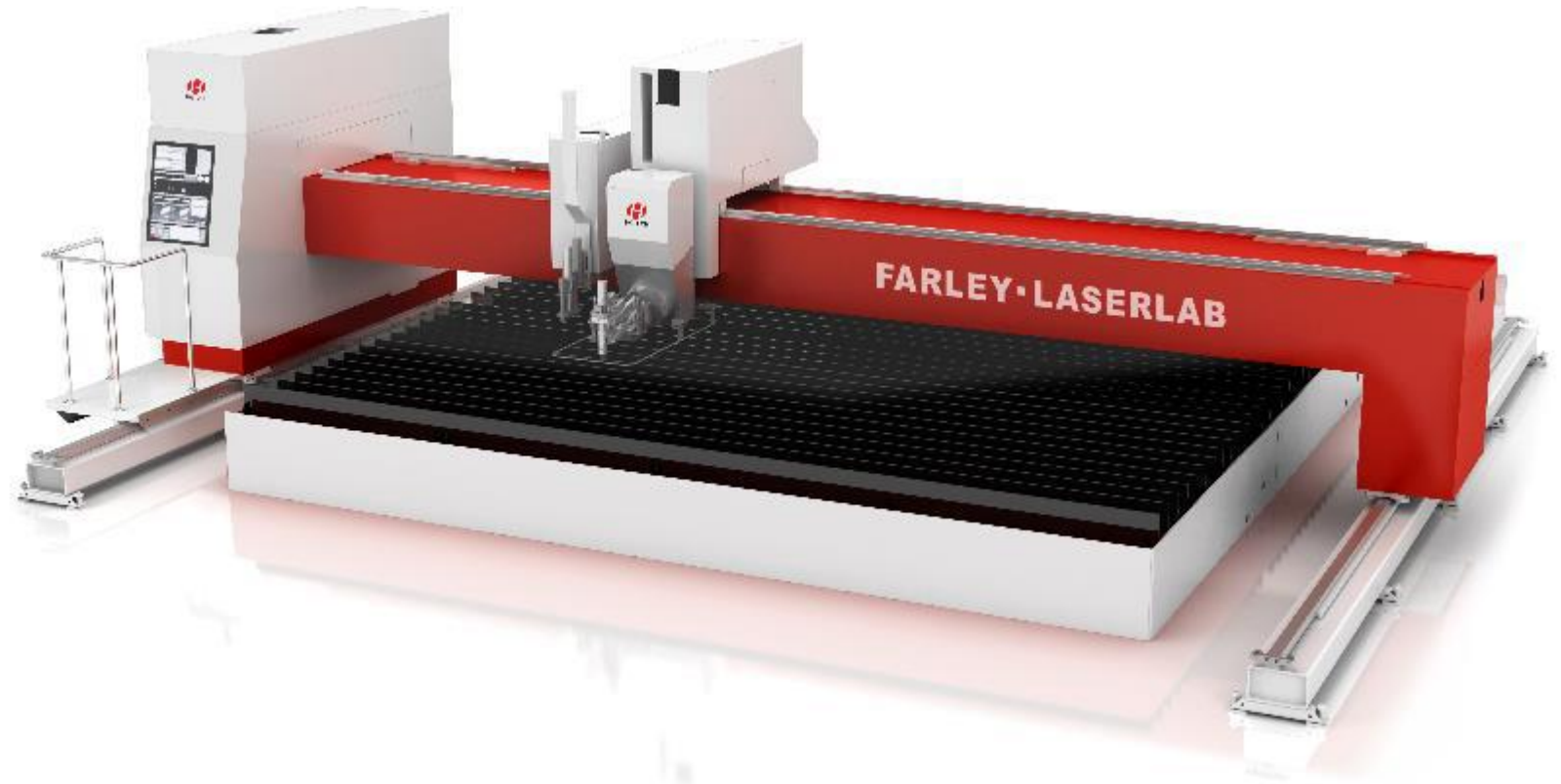
No.1 Market share in China



PLASMA CUTTING SYSTEM

**PLASMA
COMPOSITE
PROCESSING**

World-class



INTELLIGENT FACTORY

Industrial 2.0



THANK YOU

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