



# SENFENG

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## Let it Happen

Let Laser Improve Production Efficiency .



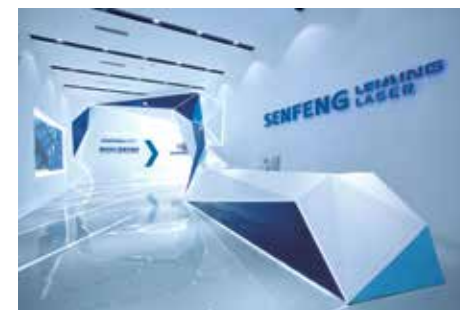
SENFENG



# ABOUT US

## SENFENG LASER

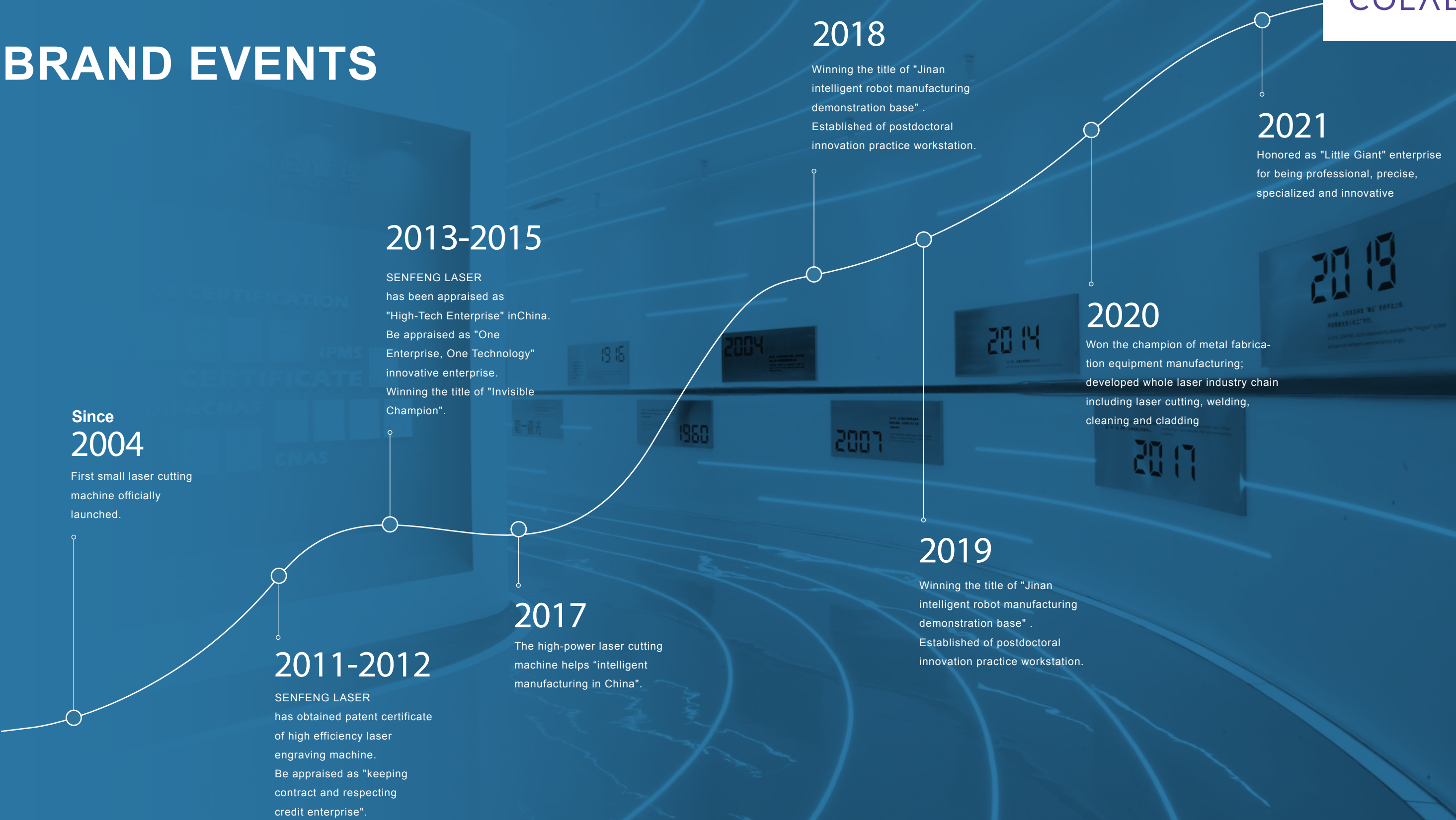
Senfeng Laser, as a leading integrated manufacturer of fiber laser machines for cutting, welding, cleaning, cladding as well as electric bending machines, provides various solutions in the field of fabricating machinery with cutting-edge technology.







# BRAND EVENTS





# COUNTRIES

Products cover all over the world

Asia  
East Asia: China, Mongolia, South Korea , Japan  
Southeast Asia: Philippines, Vietnam, Laos, Cambodia, Myanmar, Thailand, Malaysia, Brunei, Singapore, Indonesia  
South Asia: Nepal, Bangladesh, India, Pakistan, Sri Lanka  
Central Asia: Kazakhstan, Kyrgyzstan, Tajikistan, Uzbekistan, Turkmenistan  
West Asia: Iraq, Jordan, Lebanon, Israel, Saudi Arabia, Bahrain, Qatar, Kuwait, United Arab Emirates (UAE), Oman, Yemen, Georgia, Armenia, Azerbaijan, Turkey

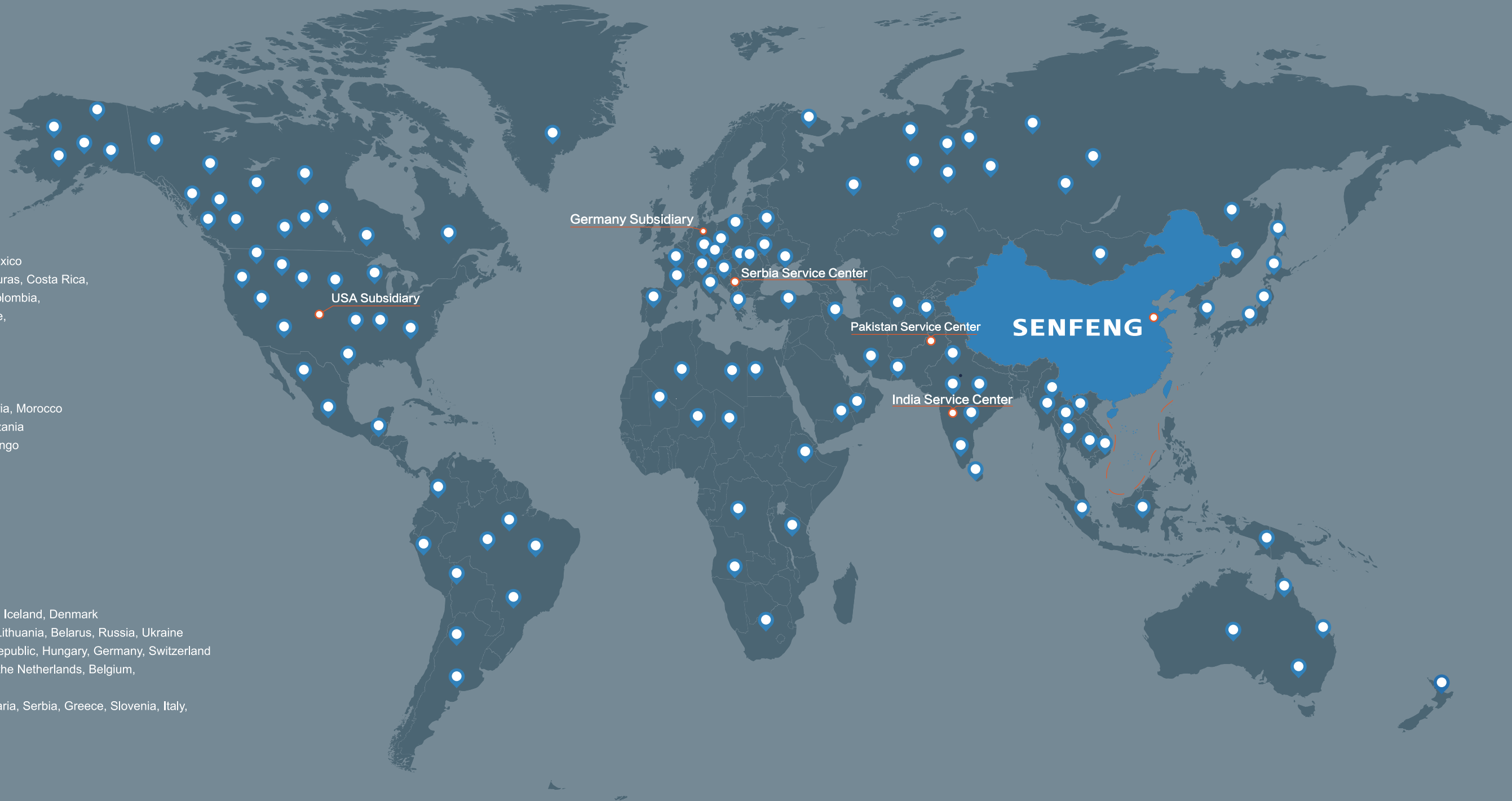
# USER

**America**  
North America: Canada, USA, Mexico  
South America: Guatemala Honduras, Costa Rica, Panama,Jamaica, Puerto Rico,Colombia, Ecuador, Peru, Bolivia,Brazil,Chile, Argentina, Uruguay

**Africa**  
North Africa: Egypt, Tunisia, Algeria, Morocco  
East Africa: Ethiopia, Kenya, Tanzania  
Central Africa: Republic of the Congo  
South Africa: South Africa

**Oceania Area**  
Australia , New Zealand

**Europe**  
Nordic: Finland, Sweden, Norway, Iceland, Denmark  
Eastern Europe: Estonia, Latvia, Lithuania, Belarus, Russia, Ukraine  
Central Europe: Poland, Czech Republic, Hungary, Germany, Switzerland  
Western Europe: Britain, Ireland, the Netherlands, Belgium, Luxembourg, France  
Southern Europe: Romania, Bulgaria, Serbia, Greece, Slovenia, Italy, Spain, Portugal





SENFENG



Feng Cloud and Senfeng  
users interact intimately

To be expected...

## CORE R&D



### Feng Cloud

Feng Cloud and Senfeng users interact intimately



#### Real Time Monitor

Feng cloud realizes product positioning, trajectory query, remote fault diagnosis, equipment fault history query function.



#### Making Quality Programs

By calculating the cost of production and maintenance, we can get the high quality plan of product design, which saves the manufacturing cost for enterprises, and also carries the cloud system of artificial intelligence to improve the quality of production.



#### Escort the Normal Operation of Equipment

Remote diagnostic maintenance, redundancy, real-time historical data logging, scheduling, recipes, video and audio functions are all available, and can be efficiently connected to the customer's factory.



#### Keep pace With The Age of 5G Communication

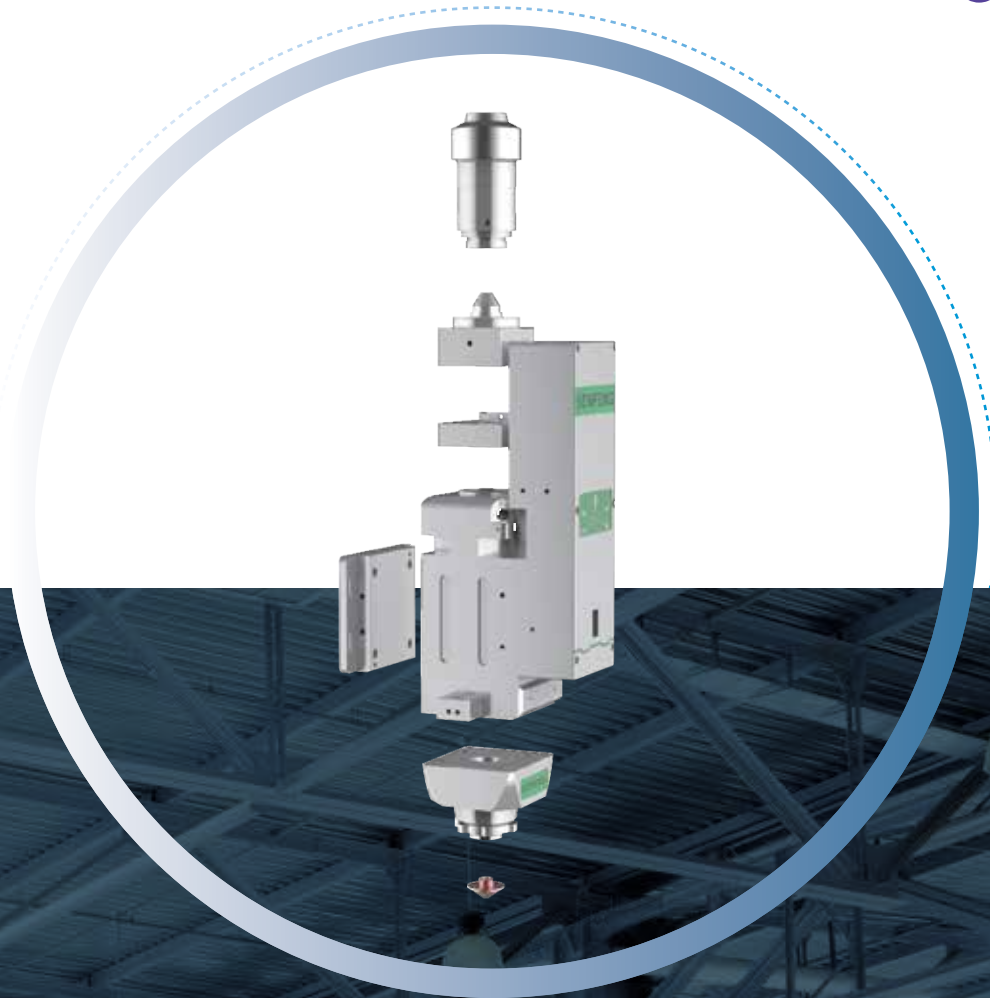
Feng cloud will use 5G technology to combine laser equipment and artificial intelligence, intelligent, easy to use and popularize, to provide customers with faster and more convenient global remote diagnosis services.



SENFENG LASER DEVICE



SENFENG LASER HEAD



01

Auto-focus

Senfeng users can set continuous focusing through the program to complete rapid perforation of thick plates and automatic cutting of plates of different thickness.

02

Water Cooling

The laser head focusing module is cooled by full-cycle water to reduce the fever caused by long-time cutting.

03

Rapid Lightning Cutting

Rapid lightning cutting carries ultra-high power laser, combined with Senfeng cutting system technology, to achieve extreme speed cutting.

04

Shining Cutting Technology

The shining cutting technology independently developed by Senfeng Laser can effectively solve the following problems: too many burrs, the cutting surface not smooth enough and difficult to cut highly reflective materials.



SENFENG

# SF6025H

ULTRA HIGH POWER FIBER LASER CUTTER

19.8'X 8.3' | 12-36KW



COLAB





# Metal Sheet Cutter

## High Power Series



Upgraded H Series



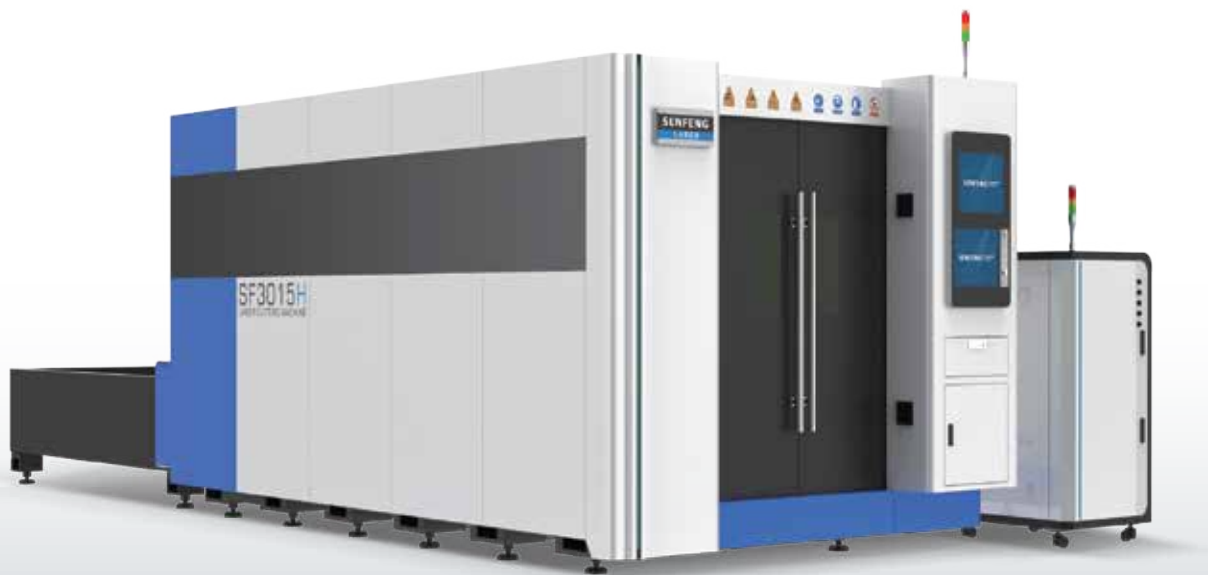
High power fiber 6-20kw



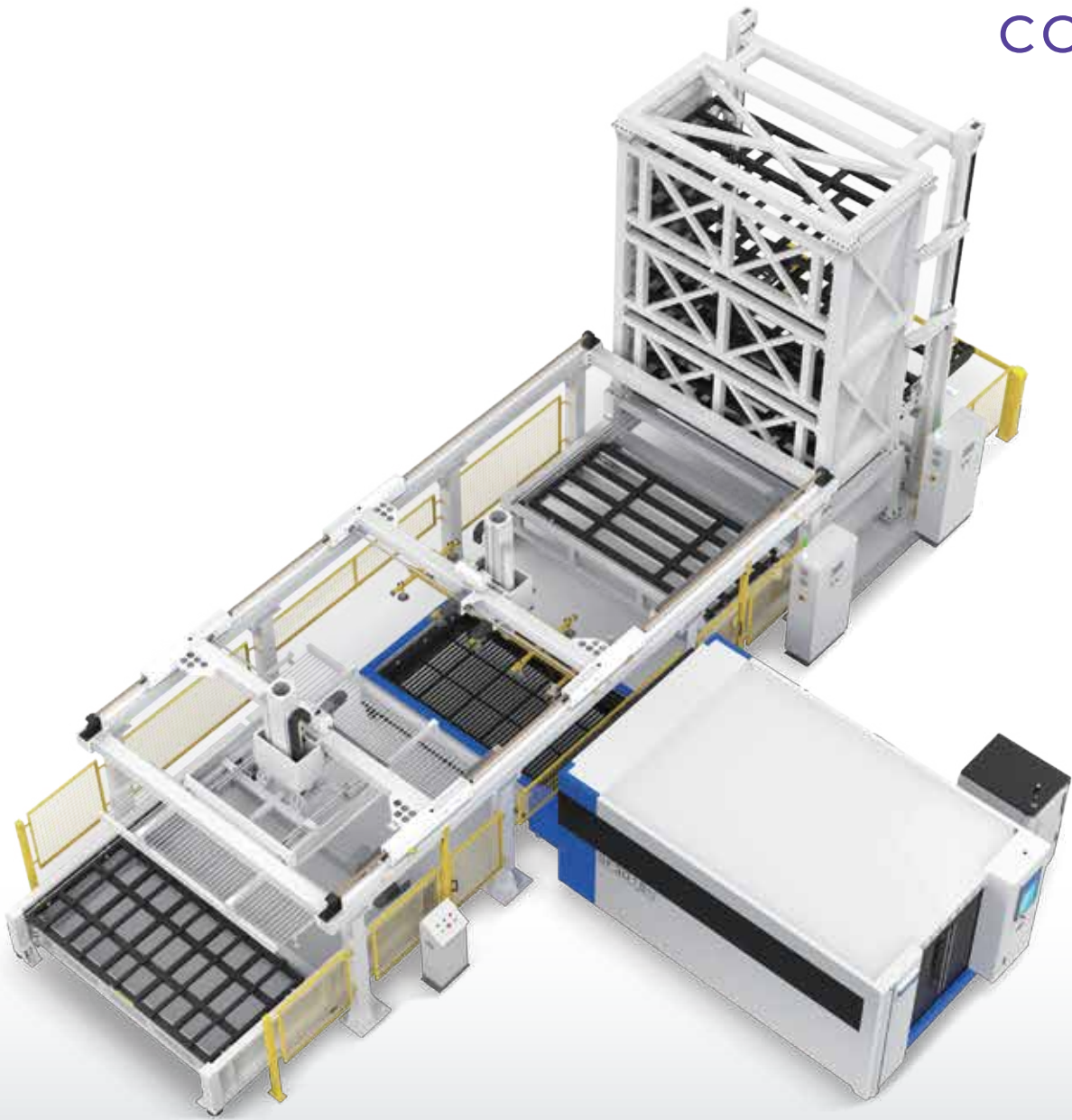
Top speed for medium to thick metal cutting



Less operating cost, fast return on investment



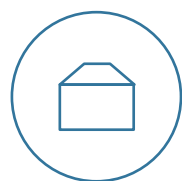
Technical Parameters	
Model	SF3015H/SF4020H/SF6020H/SF6025H/SF8025H/SF12025H
Working Area(mm)	3050* 1530/4050 * 2030/6050* 2030/6050* 2530/ 8050 * 2530/12050* 2530
Laser Power	6KW-20KW
Repeated Positioning Accuracy	± 0.02mm



### Application Show



Space Saver Sheet Cutter



Compact and concise  
appearance



Easy to install and freight  
cost saving



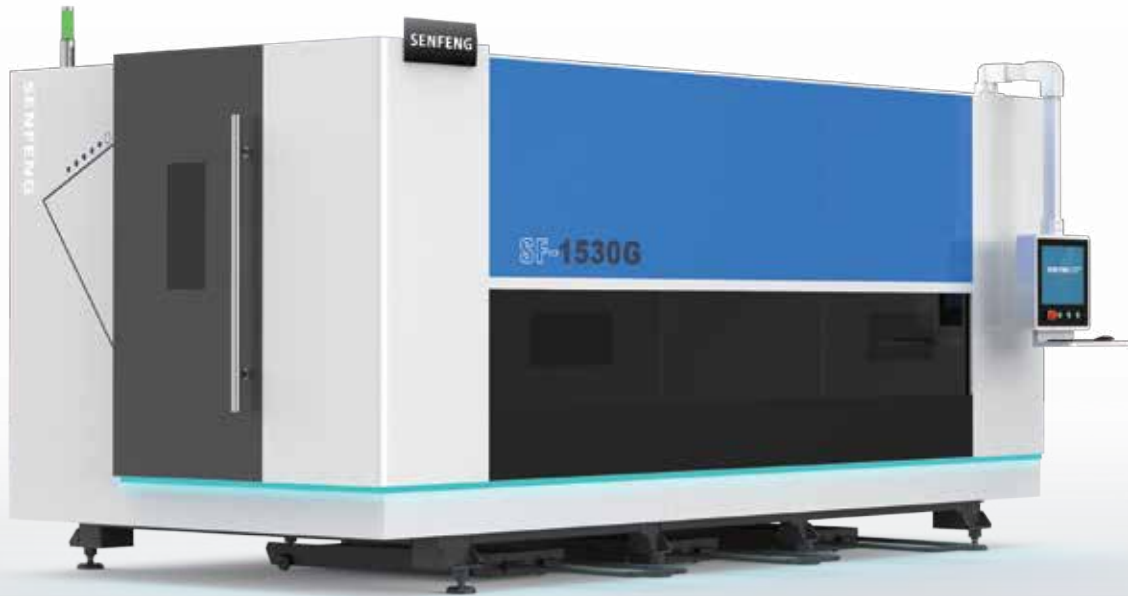
Full protection to meet  
CE standard



Technical Parameters		
Model		SF1530G
Working Area(mm)		3000 * 1500
Laser Power		1KW-3KW
Repeated Positioning Accuracy		± 0.02mm



20-foot container



Application Show

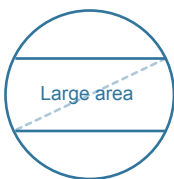




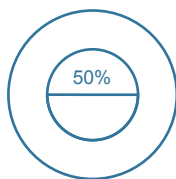
Large Working Size Series



Ultra large working table



Specific designed for large area metal



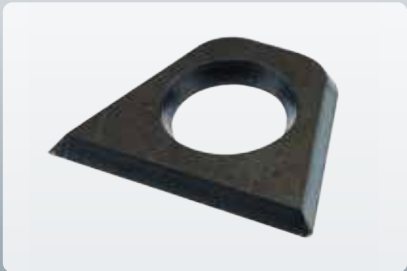
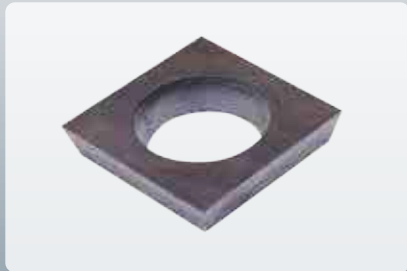
Loading frequency reduced by half and more



Bevel cutting available

Technical Parameters	
Model	SF12030R/SF20040R
Processing Area	12000 * 3000 / 20000*4000
Laser Power	6kw~36kw
Repeated Positioning Accuracy	± 0.05mm

Application Show



Single Table Sheet Cutter



Cost effective king



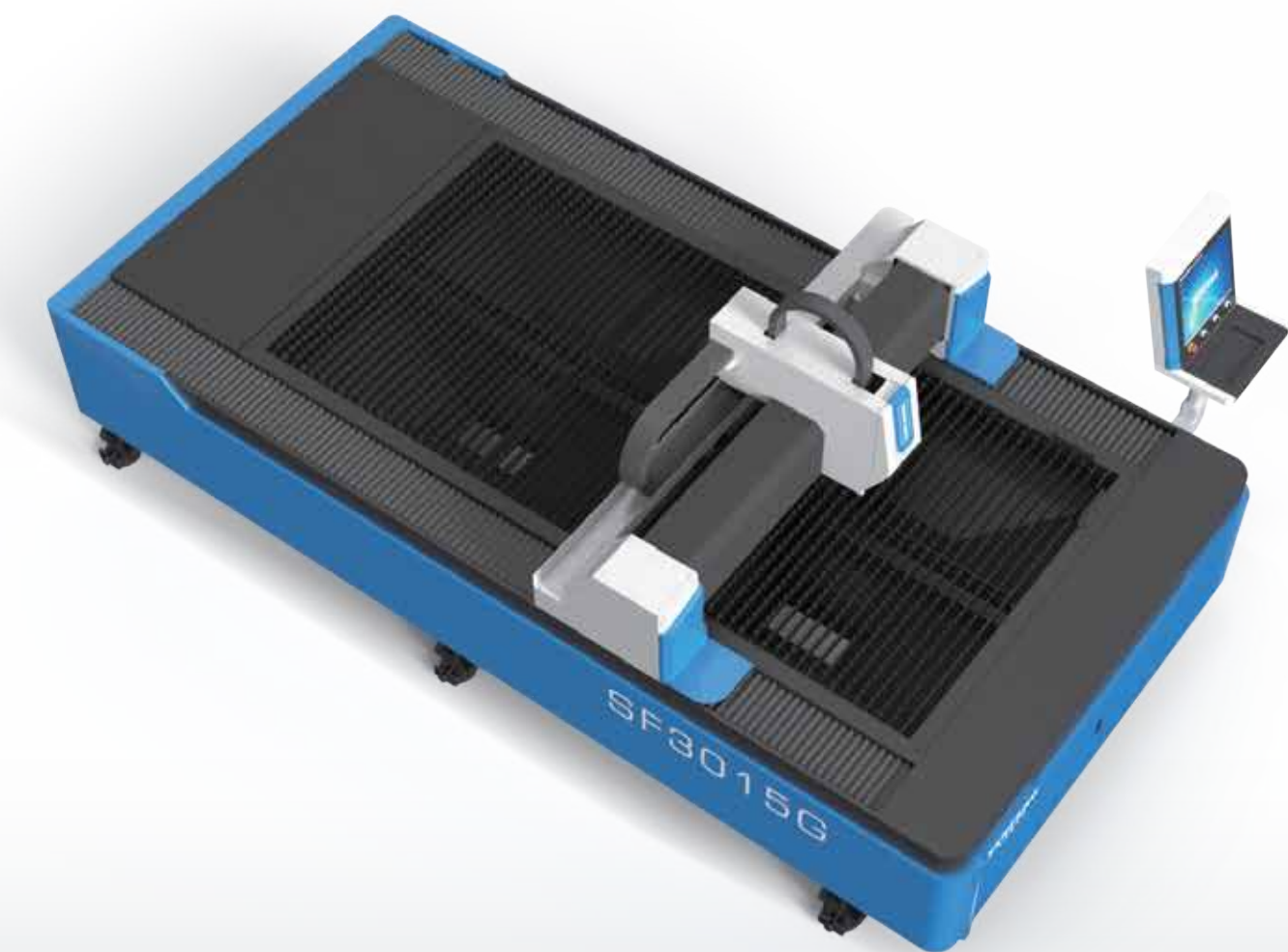
Multiple power options



Entry level fiber laser cutter



Technical Parameters	
Model	SF3015G / SF4015G / SF4020G / SF6015G
Working Area(mm)	3000*1500 / 4000*1500 / 4000*2000 / 6000*1500 / 6000*2000
Laser Power	1KW-3KW
Repeated Positioning Accuracy	±0.02mm/m



Application Show





SENFENG



# SF12038HT

## ULTRA HEAVY FOUR-CHUCK TUBE LASER CUTTER

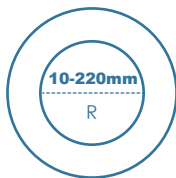
Four-chuck to achieve 0 tailing | 3-6KW

Maximum length :12m    Maximum diameter:380mm



# Tube Cutter

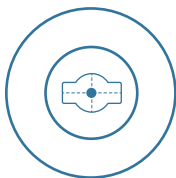
## Two-Chuck Tube Cutter



Wide Diameter Range  
from 10-220mm



Large Loading Capacity  
to 150kg

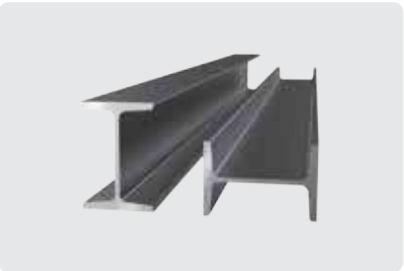


Pneumatic self-centering  
chuck



Automatic Loading and  
Unloading System

### Application Show



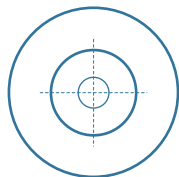
Bevel cutting available

Technical Parameters	
Model	SF6020T
Pipe processing range	6000mm* φ10~220mm (Square tube: 10*10~150*150mm)
Laser Power	1.5KW-4KW
Repeated Positioning Accuracy	±0.02mm

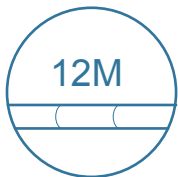




Four Chuck Tube Ctting Machine



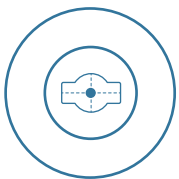
Four-chuck to ensure high accuracy



Designed for extra long tube up to 12m



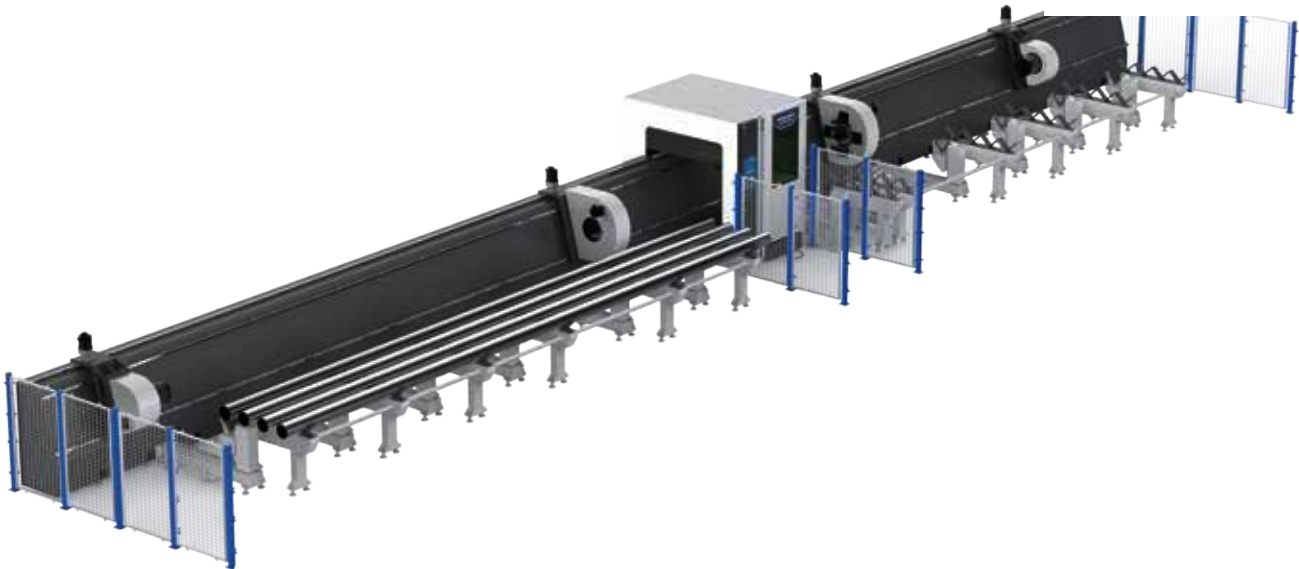
Large Loading Capacity to 1000kg



Pneumatic self-centering chuck



Automatic Loading and Unloading System



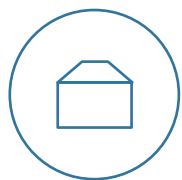
Technical Parameters	
Model	SF12038HT
Pipe length range	6000~12000mm
Laser Power	3kw-6kw
Repeated Positioning Accuracy	±0.02mm

Application Show



# Plate and Tube Cutter

Totally-enclosed Cutter for Plate & Tube



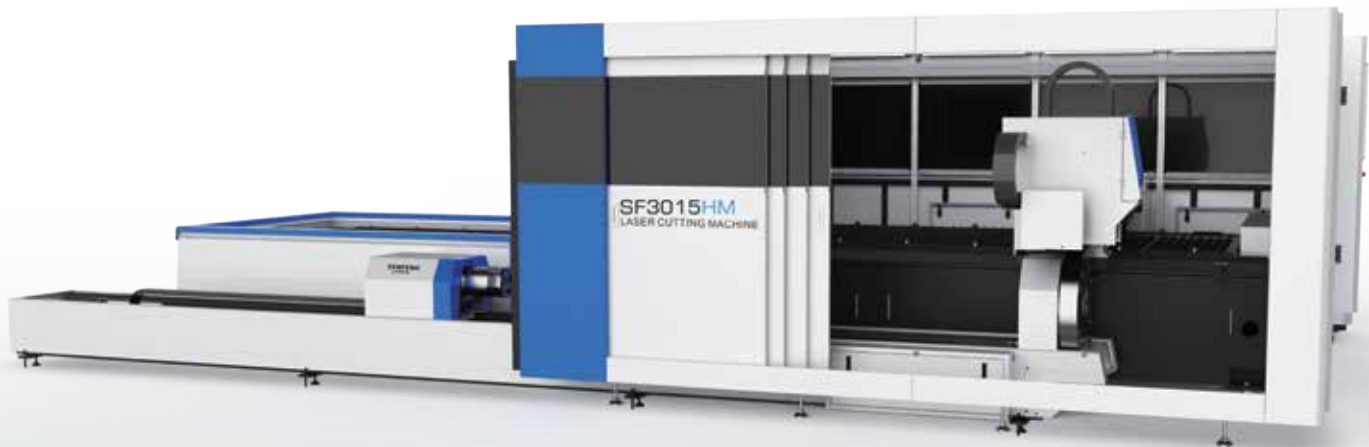
Simple and concise appearance



Sheet and tube cutting in one machine



Cost and space saving



## Application Show



Technical Parameters	
Model	SF3015HM / SF4020HM / SF6020HM / SF6025HM / SF8025HM
Processing Area(mm)	3000 * 1500 / 4000* 2000 / 6000* 2000/6000* 2500/8000* 2500
Laser Power	2KW-20KW
Repeated Positioning Accuracy	±0.02mm/m

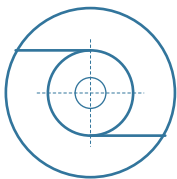


# Coil Steel Cutter

## Coil-fed Laser Blanking System



High operating efficiency  
and cost saving



Ultra-high transmission  
accuracy

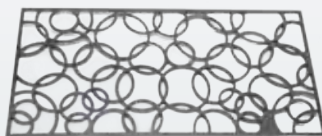


Positioning and rectifying  
with high precision



Technical Parameters	
Model	3000*1500mm / 6000*1500mm
Material thickness	0.5-2mm
Maximum outer diameter of material	Φ1500mm
Maximum coil weight	8T

### Application Show



# Welding Machine

## Handheld Fiber Laser Welding Machine



No professional needed  
easy to operate



Increasing efficiency by 3 times  
and labor saving



Fine welding line  
no subsequent polishing needed



Technical Parameters	
Model	SF1000HWM / SF1500HWM / SF2000HWM
Laser Power	1KW-2KW

### Application Show





# Cleaning Machine

## Handheld Laser Cleaner



Highly Flexible Cleaning



Safer and easier to operate



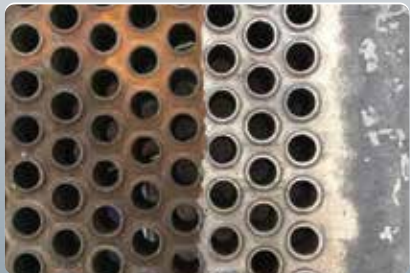
Green Technology with  
Fast Return on Investment



Technical Parameters	
Model	SF200HC/SF300HC/SF500HC/SF1000HC/SF2000HC
Cleaning Width	1-20mm
Power	200W-2000W



### Application Show



# Surface Enhancement

## Laser Cladding Machine



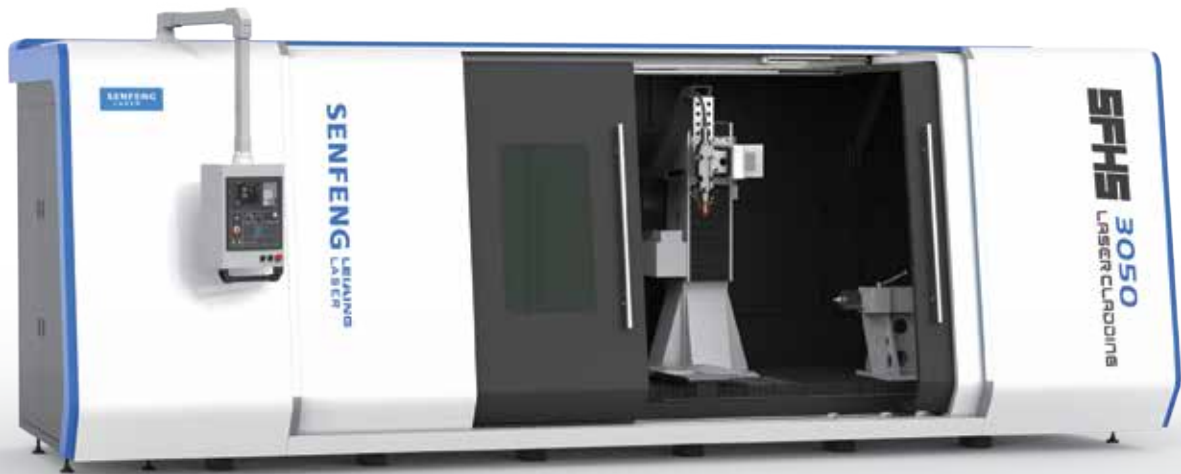
High processing efficiency



Surface smooth without subsequent grinding

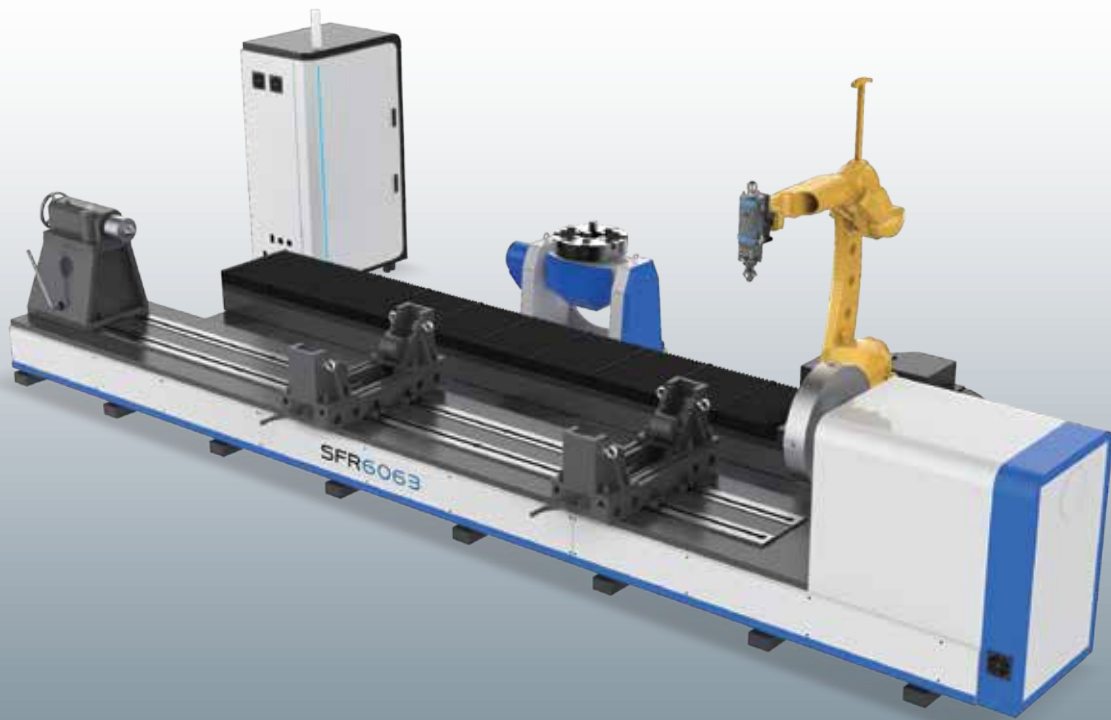
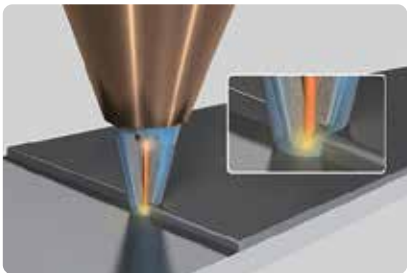


Cost saving by great powder utilization



Technical Parameters	
Modul	SFHS3050
Laser Power	4kw-6kw
Powder feeder	Double barrel pneumatic powder feeding
Cladding head	High speed annular nozzle + powder distributor

### Application Show



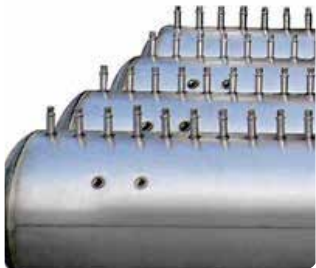




# Flexible Processing

## 3D Robot Fiber Laser Automation System

### Application Show



Ultra integrated  
production line with  
cutting, welding, cleaning  
and marking



Fully automated  
great labor-saving



Efficiency and accuracy  
significantly increased

Technical Parameters	
Robot Ontology	Fanuc M-20iA
Laser Power	RCL-750W.DLS-2KW
Repeated Positioning Accuracy	±0.03mm/m
The Wingspan	1,811mm
Sighting System	Red Light



# Bending Machine

## Servo Electric Press Brake



High speed, high production efficiency and low energy consumption



High level of automation, simple operation, and time saving



Simple routine maintenance and low maintenance cost

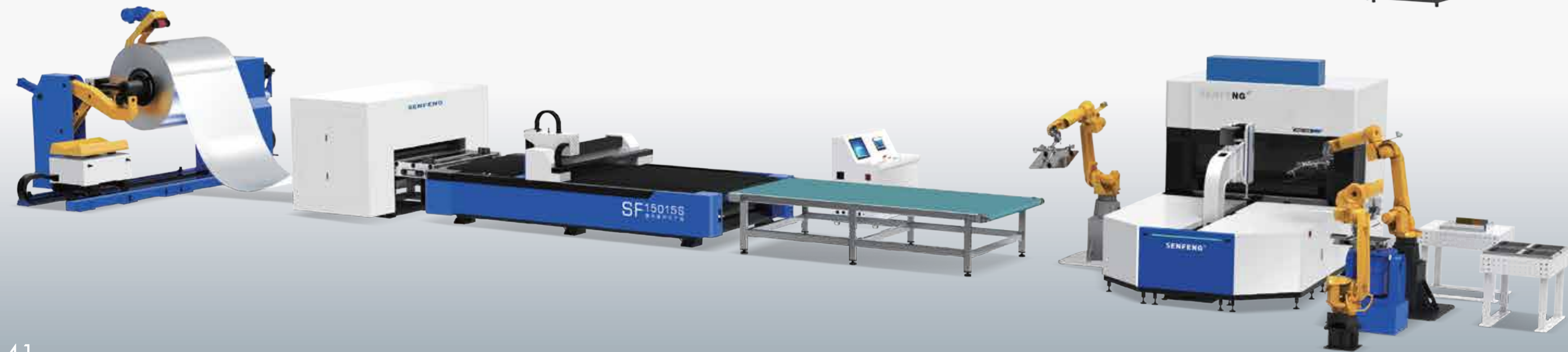


Capable of bending non-right angle, right angle, circular arc, pressing dead edge, etc.

### Application Show



Technical Parameters	
Modul	BDC-1800
Max bend length	1800mm / 2000mm / 2500mm
Max bending height	170mm
Min bending height	6mm



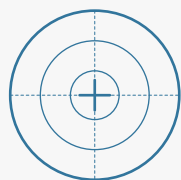


# Laser Micro-machining

Precise & high-speed microporous manufacturing



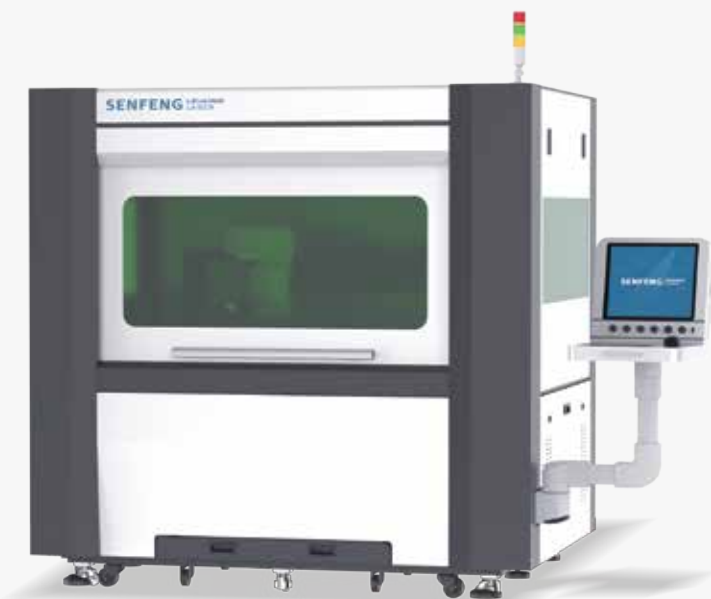
Scanning speed up to 1000m/s



FPGA control system to ensure repositioning accuracy within  $\pm 3\mu\text{m}$



Octagon 16-side Polygon Mirror

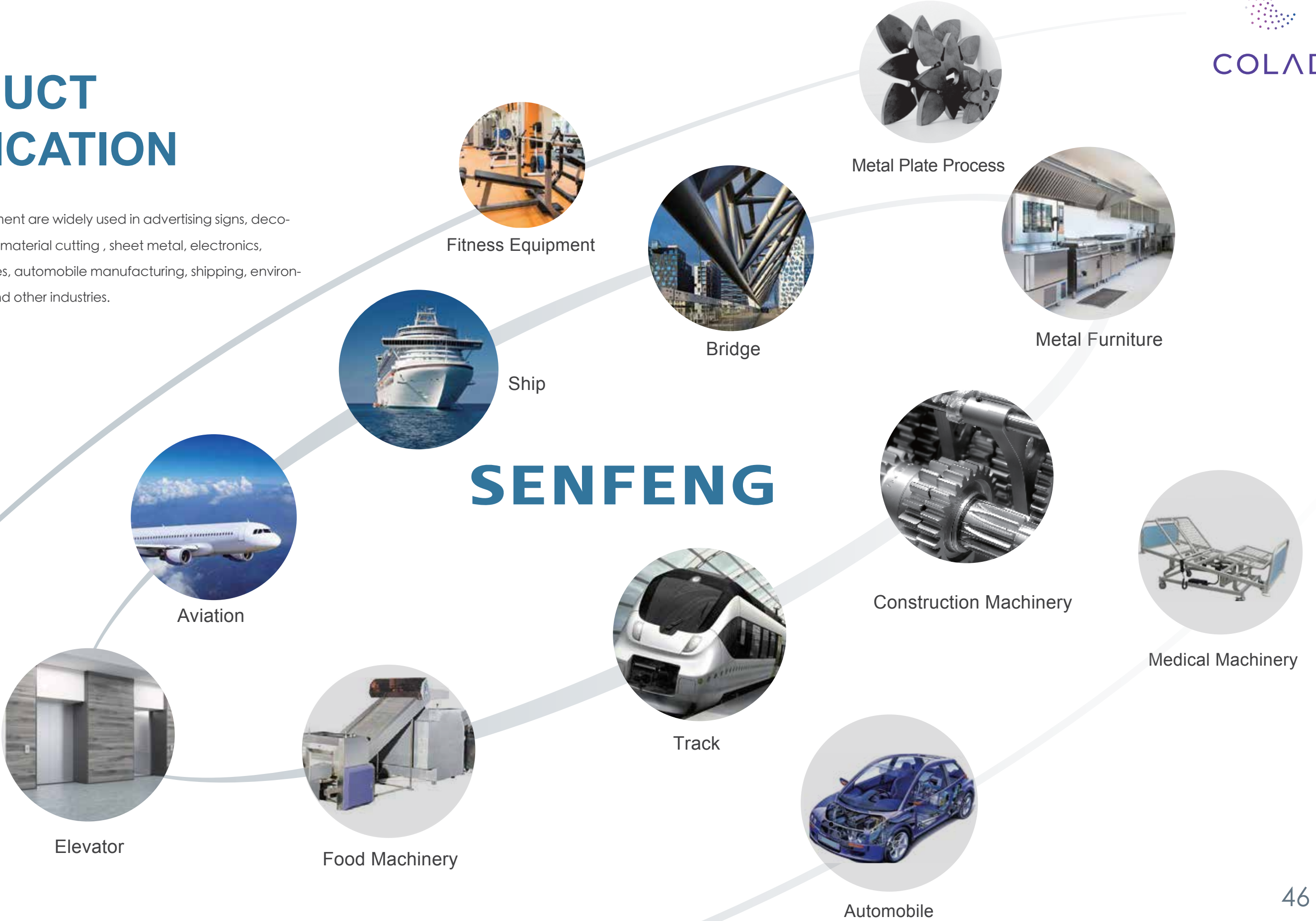


Technical Parameters	
Model	SFP1313
Laser Power(w)	500
Scanning Repeat Positioning Accuracy( $\mu\text{m}$ ):	$\pm 3\mu\text{m}$
Machine Size(mm)	2090*1820*2000mm
Scanning Range(mm)	300*300mm



# PRODUCT APPLICATION

Senfeng laser equipment are widely used in advertising signs, decoration, craft gifts, soft material cutting , sheet metal, electronics, household appliances, automobile manufacturing, shipping, environmental protection and other industries.





CUSTOMERS WORLDWIDE





SENFENG





QUALIFICATION

CE Approved by TÜV,  
FDA, ETL, CSA, ISO9001 and other  
international certifications.



# COLAB SLOVAKIA

HIGH QUALITY – SPEED – PROFICIENCY

We are professionals who are ready to meet all your individual production requirements. We will turn your idea into a prototype or a serial production. We will provide you professional advice and personalized attitude.

We have modern production technologies and flexible capacities.  
Our work stations are both manual and automatic.



## Slovakia Subsidiary

Coburgova 82  
917 02 Trnava  
Slovakia



## USA Subsidiary

5989 Rickenbacker Road,  
Commerce CA90040



## Germany Subsidiary

Oberer Westring 33, 33142 Büren,  
Germany



## Serbia Service Center

Žitna 19, 11272 Dobanovci, Belgrade,  
Republic of Serbia







## After-sales and 5-Star Service System



### Quick Response

- 24/7 available for your call.
- Professional technical engineers reply with a solution in short time after submitting for repair.



### Regular inspection

- Front-end service: detailed training of technical theory, practical operation and troubleshooting.
- Regular service: regular maintenance reminder, regular service, regular promotional activities.
- Value-added services: equipment software and hardware upgrading services,
- financial leasing services, extended warranty.



### Consultant Customization Services

- Specialized program customization services: customization of service schemes based on specific conditions.
- Certification system for service engineers: engineers are strictly assessed and certified.
- Training on frequent questions: make a book of frequent questions and train customers by certified engineers.
- On-line one-to-one guidance: senior engineers guide customers to solve problems through telephone, video and other network modes.
- One time: once the equipment is debugged and the same kind of error won't reoccur

*Service Oriented and  
Customer First*



