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SENFENG

Cutting | Welding | Cleaning | Cladding | Bending | Milling | Automation

JINAN SENFENG LASER TECHNOLOGY CO., LTD.

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▶ Pakistan Service Center

Add: Dullukhur metro station 26 Ferozpur road, Lahore

▶ India Service Center

Add: Plot no 4/09, survey no-519, tsic , ip nadergul, hyderabad

▶ Vietnam Service Center

Add: K13 Ngã 3 NgọcHồi Xã Ngũ Hiệp Huyện Thanh Trì Hà Nội

▶ Serbia Service Center

Add: Žitna 19, 11272 Dobanovci, Belgrade, Republic of Serbia

▶ Jordan Service Center

Add: Amman-Sahab-Alazraq highway





Cutting



Welding



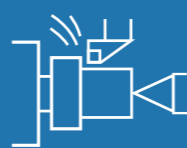
Cleaning



Cladding



Bending



Milling



Automation

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SENFENG

Bending

Cutting

Cladding

Cleaning

Welding

Milling

Automation

A Global Provider of One-Stop Metal Fabrication Solutions





About SENFENG

A Global Provider of One-stop Metal Fabrication Solutions

Jinan Senfeng Laser Technology Co., Ltd.

Since the establishment of SENFENG, we have been committed to the R&D and innovation of laser technology. We're a leading manufacturer specializing in the field of laser cutting, laser welding, laser cleaning, laser cladding, industrial 3D robot, bending, milling, etc.



Brand Events

Since
2004

SENFENEG first small laser cutting machine officially launched

2011-2012

Obtained patent certificate of high efficiency laser engraving machine
Be appraised as "Keeping Contract and Respecting Credit Enterprise"

2013-2015

Started to produce and export fiber laser cutters

2017

High-power laser cutting machine helps "Intelligent Manufacturing in China"

2018

Post-doctoral innovation practice workstation was established

2021-2022

Won the championship of metal processing equipment manufacturing industry
Developed whole laser industry chain of laser cutting, welding, cleaning, cladding

2021-2022

Established Vietnam service center
Top 3 sales of Chinese laser brands

2019

SENFENG USA, SENFENG Germany, India Service Center, Pakistan Service Center, and Serbia Service Center to provide localized services and technical supports for global customers

2023

2 subsidiaries and 5 service centers have been established, and 6 service centers are coming soon

Countries

Products all over the world

To provide better localization services, we have set up subsidiaries in Paderborn, Germany and Los Angeles, the US and several service centers in major cities of India, Pakistan, Serbia, Vietnam, Jordan.

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,
 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

Asia

East Asia: China, Mongolia, 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



SENFENG Laser Source

The laser source developed by SENFENG ranges from 1.5kW to 50kW, with higher electro-optical conversion efficiency and stable output power.

SENFENG Laser Head

The laser head independently developed by SENFENG has been widely used in laser cutting, welding, cleaning, cladding and other fields.

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

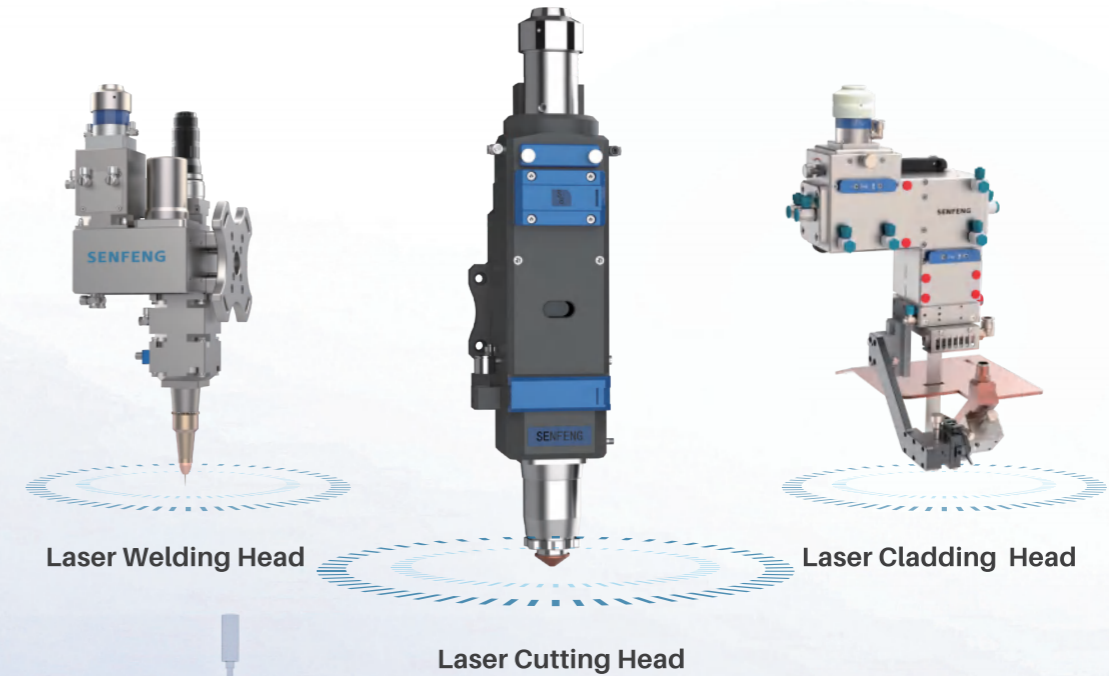
Rapid Lightning Cutting

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

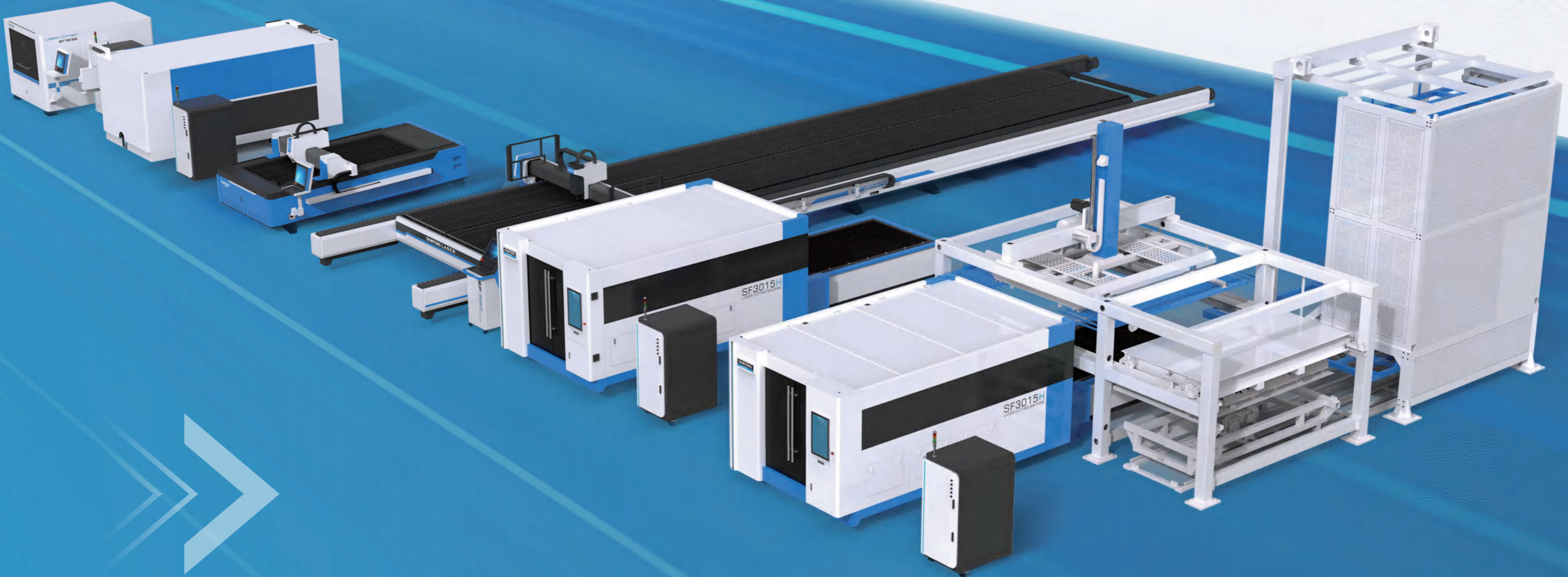
04

Shining Cutting Technology

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



METAL SHEET LASER CUTTER



Metal Sheet Cutter

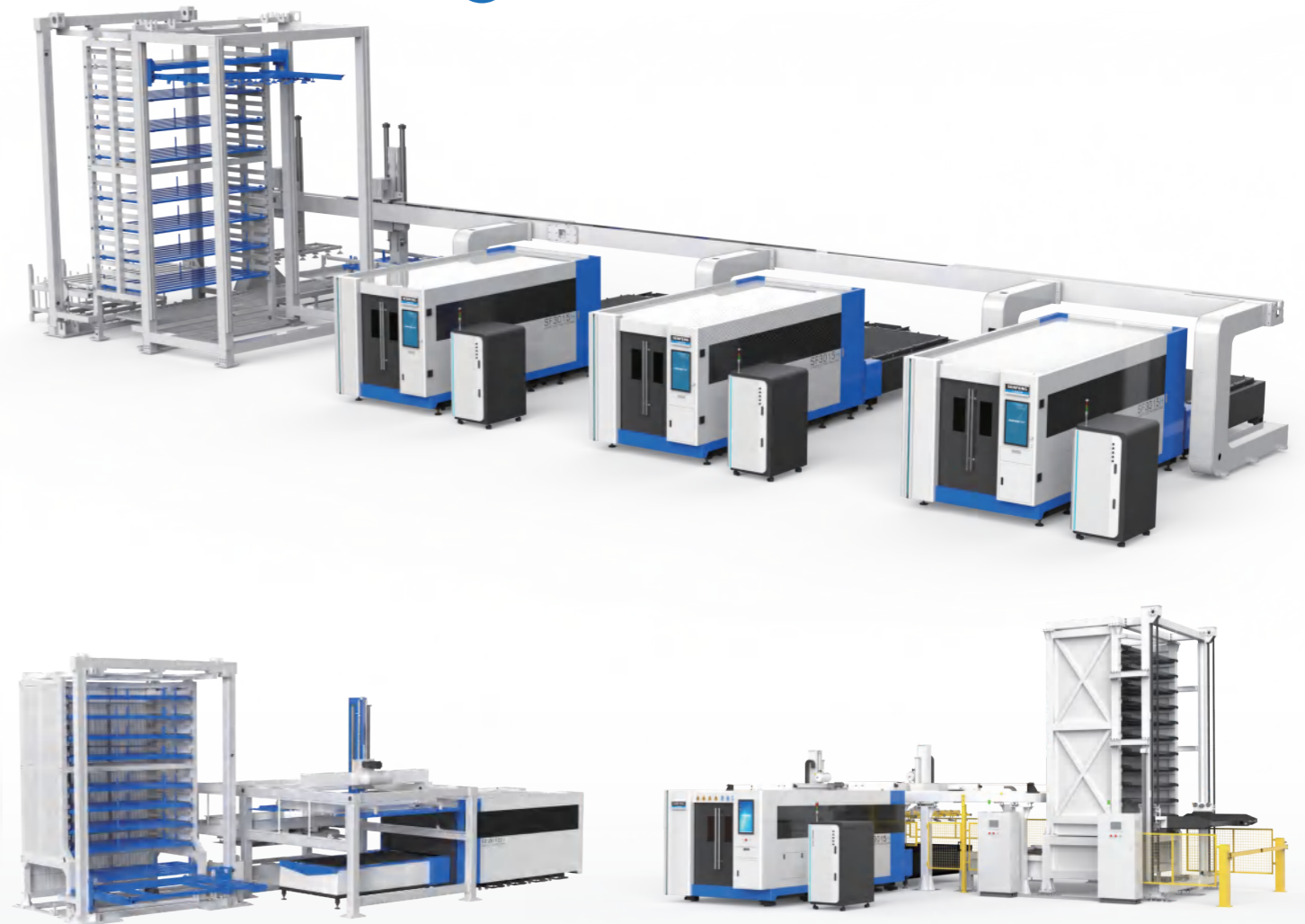
Ultra-high Power Laser Cutting Machine

- Upgraded H Series
- Top speed for medium to thick metal cutting
- High power fiber 6-50kW
- Less operating cost, fast return on investment



Automatic Laser Cutting Production Line

Realizing unmanned continuous operation



Technical Parameters

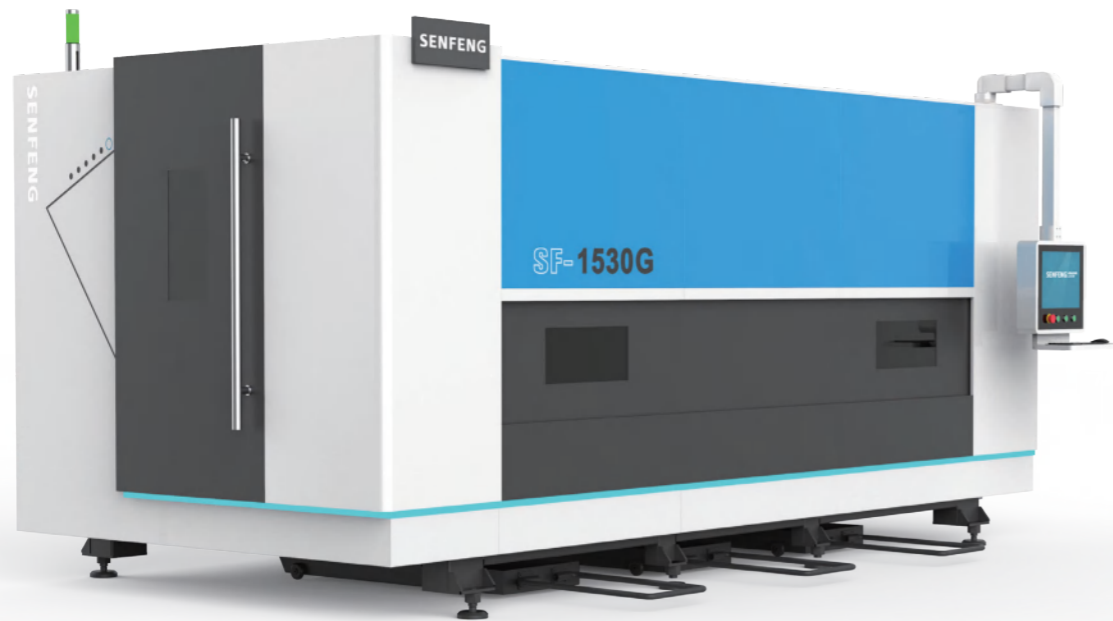
Model	SF3015H/SF4020H/SF6025H/SF8025H/SF12025H	
Working area(mm)	3050*1530/4050*2030/6050*2530/ 8050*2530/12050*2530	
X/Y-axis positioning accuracy(mm)	±0.05	
X/Y-axis repeated positioning(mm)	±0.02	
Max acceleration(G)	2.8	
Laser power(kW)	6~50	

Application Show



➤ Space Saver Fiber Laser Cutter

- Compact and concise appearance
- Easy to install and freight cost saving
- Full protection to meet CE standard



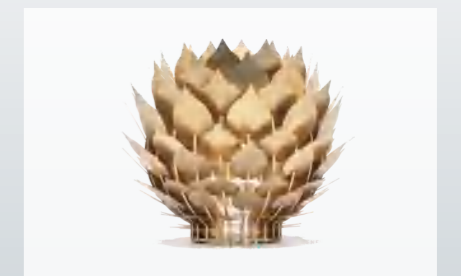
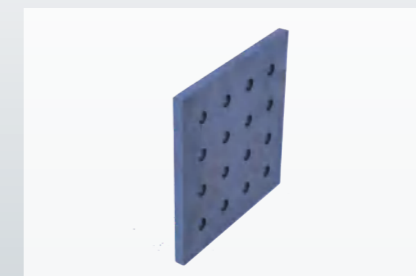
Security Protective



Technical Parameters

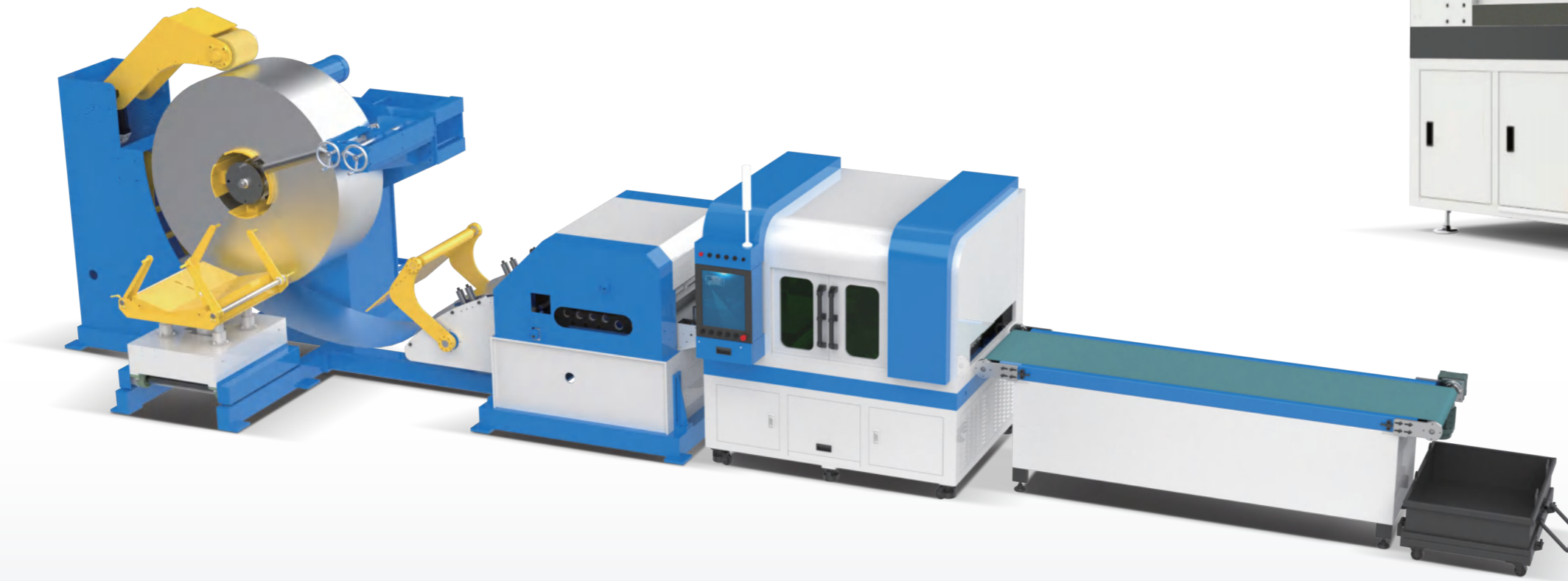
Model	SF1530G
Working area(mm)	3050*1530
Laser power(kW)	1.5~3
Max speed(m/min)	80
Max acceleration(G)	0.8
X/Y-axis positioning accuracy(mm/m)	±0.05
X/Y-axis repeated positioning accuracy(mm)	± 0.02

Application Show



High-precision Fiber Laser Cutter

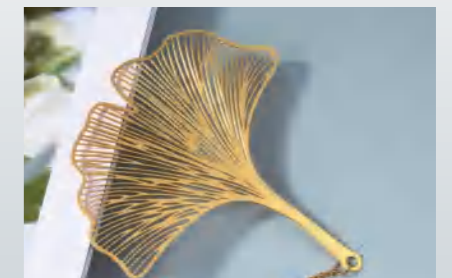
- Senfeng high-precision fiber laser cutter is designed for cutting thin metal sheets (0.2-5mm).
- An open motion control platform integrating motion control, PLC, and HMI, with a high-strength marble platform to ensure high-precision cutting equipment.



Technical Parameters

Model	SFP600
Laser power(kW)	1.5~3
Processing format(mm)	600*600
X/Y-axis positioning accuracy(mm/m)	±0.05
X/Y-axis repeated positioning accuracy(mm)	± 0.005
Total weight(T)	1.4
Size(mm)	1800*1430*1800

Application Show

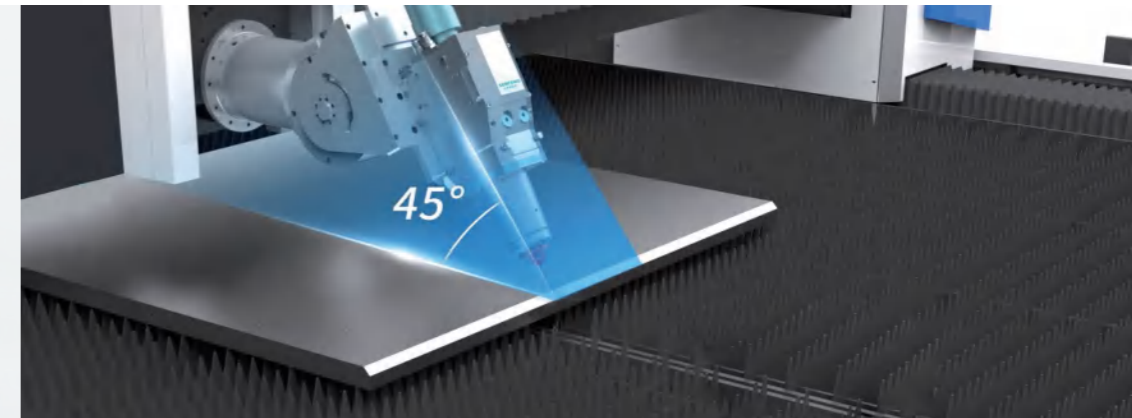


Ultra-large Working Size Fiber Laser Cutting Machine

- Ultra large working table
- Specific designed for large area metal
- Loading frequency reduced by half and more



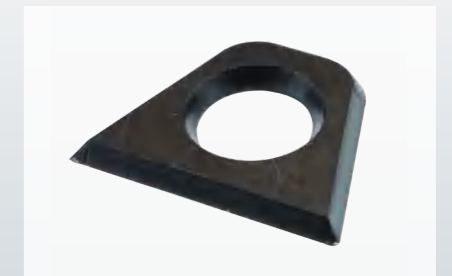
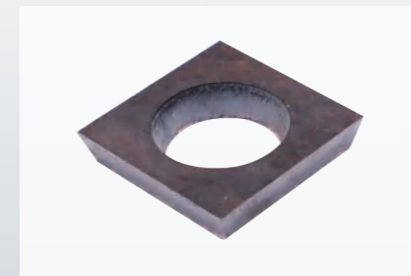
Bevel Cutting Available



Technical Parameters

Model	SF12030R/SF20040R
Working area(mm)	12000*3000/20000*4000
Laser power(kW)	8~50
Max speed(m/min)	100
Max acceleration(G)	1
X/Y-axis positioning accuracy(mm/m)	±0.1/10000
X/Y-axis repeated positioning accuracy(mm)	±0.05

Application Show



Open Type Metal Sheet Fiber Laser Cutter

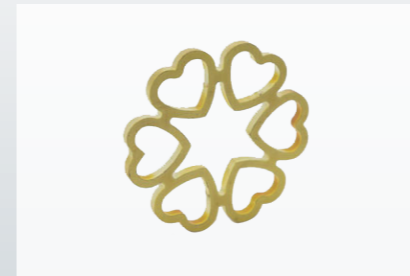
- Cost effective
- Multiple power options
- Entry level fiber laser cutter



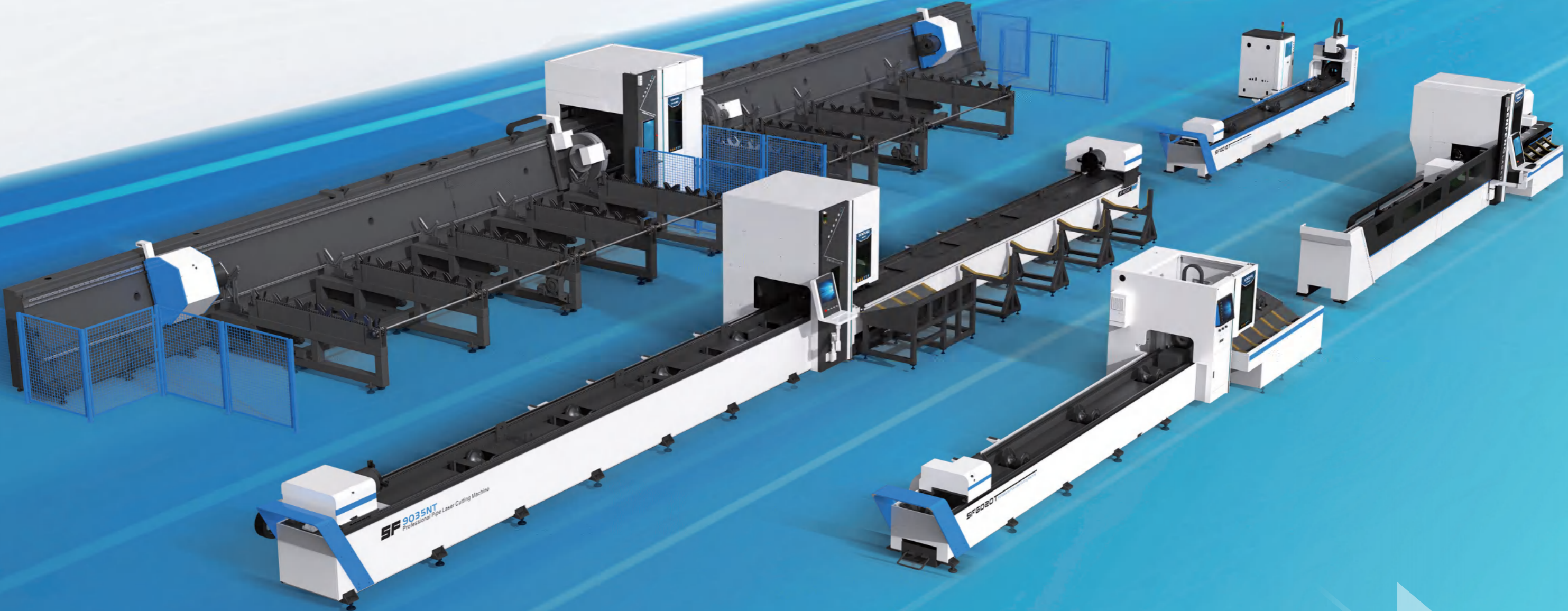
Technical Parameters

Model	SF3015G/SF4015G/SF4020G/SF6015G/SF6020G
Working area(mm)	3050*1525/4050*1525/4050*2020/6050*1525/6050*2020
Laser power(kW)	1.5~4
Max speed(m/min)	80
Max acceleration(G)	0.8
X/Y-axis positioning accuracy(mm/m)	±0.05
X/Y-axis repeated positioning accuracy(mm)	±0.02

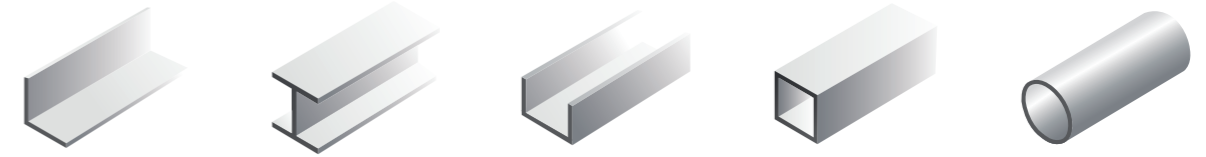
Application Show



TUBE LASER CUTTER

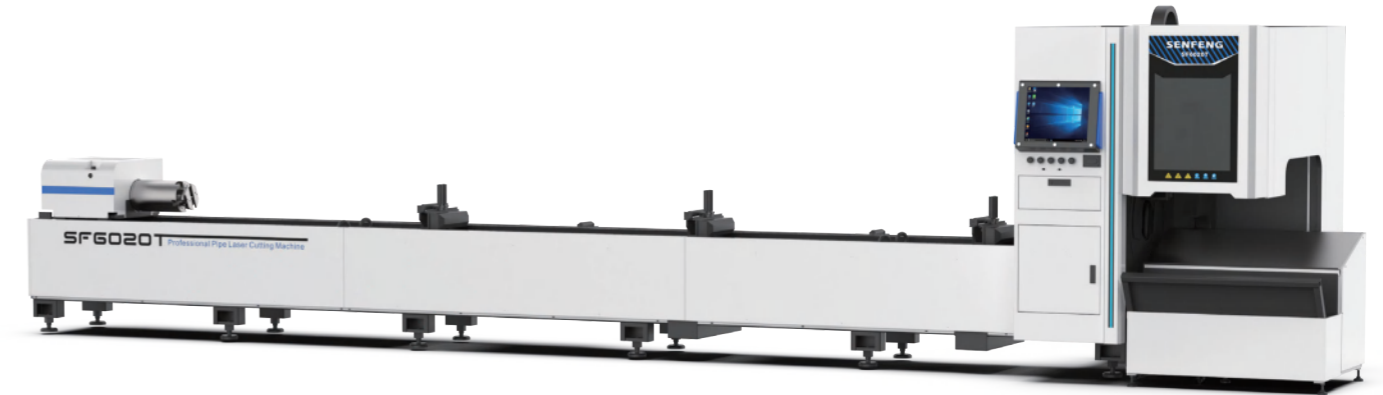


Tube Cutter

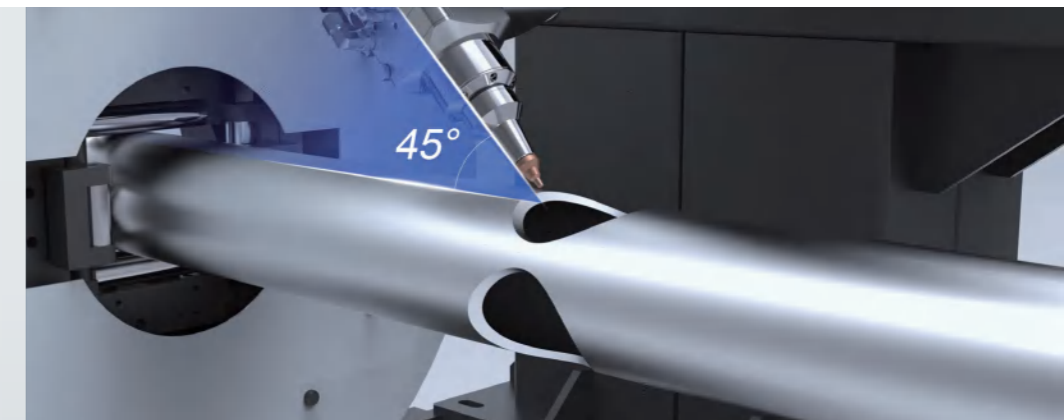


Two-chuck Tube Cutter

- Wide diameter range from 20-220mm
- Large loading capacity to 150kg
- Pneumatic self-centering chuck
- Automatic loading and unloading system



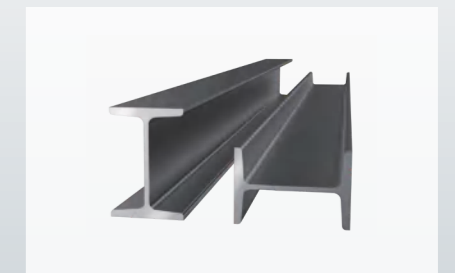
Bevel Cutting Available



Technical Parameters

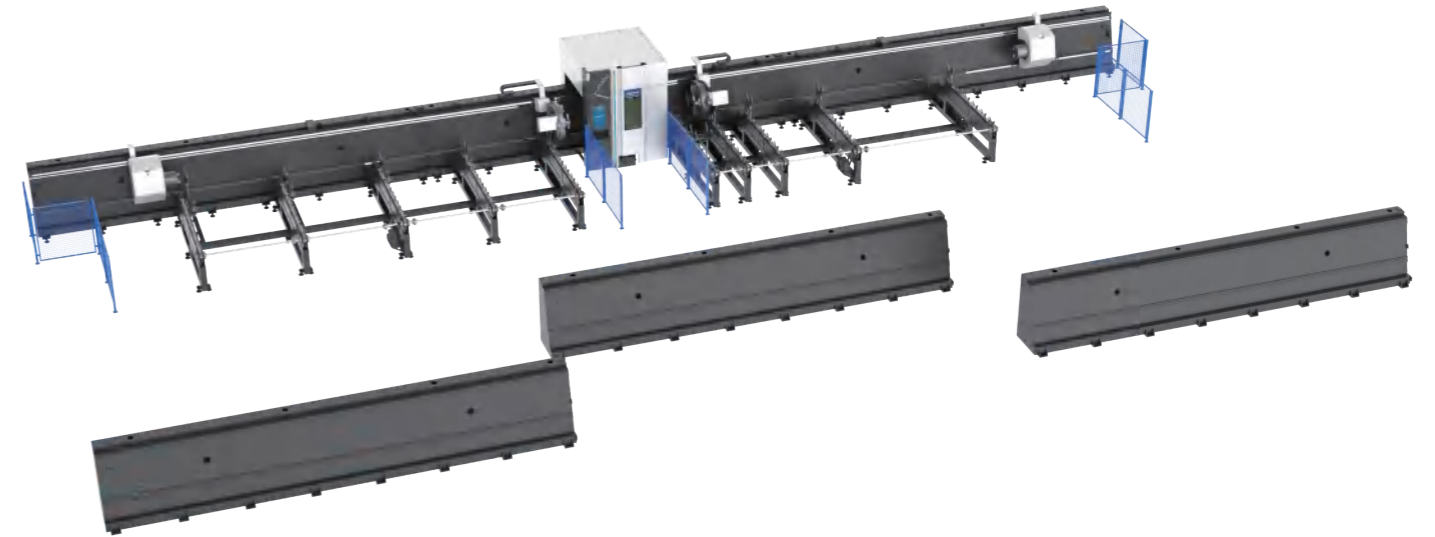
Model	SF6020T
Pipe processing range(mm)	Round tube: $\Phi 20\sim 220\text{mm}$; Square tube: $20\sim 20\sim 150\sim 150\text{mm}$; Rectangle tube: diagonal line ≤ 220
Laser power(kW)	1.5~6
Max speed(m/min)	100
Max rotational speed(r/min)	100
Max acceleration(G)	0.8
Table max load(KG)	150/300

Application Show



Ultra-heavy Four-chuck Tube Laser Cutter

- Four-chuck to ensure high accuracy
- Designed for extra long tube up to 14m
- Large loading capacity to 1300kg
- Pneumatic self-centering chuck
- Automatic loading and unloading system



Technical Parameters

Model	SF12056HT
Pipe processing range(mm)	Round tube: $\Phi 50\sim\Phi 460\text{mm}$; Square tube: $50\ast 50\sim 395\ast 395\text{mm}$; Rectangle tube: diagonal line ≤ 560
Number of chucks	Four-chuck
Table maximum load(kg)	1500
Maximum rotational speed(r/min)	40
Maximum acceleration(G)	0.4G
Maximum processing length(m)	12
Laser power(kW)	6~12

Application Show

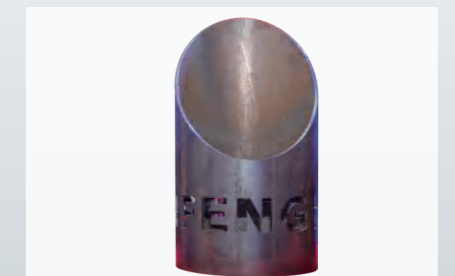
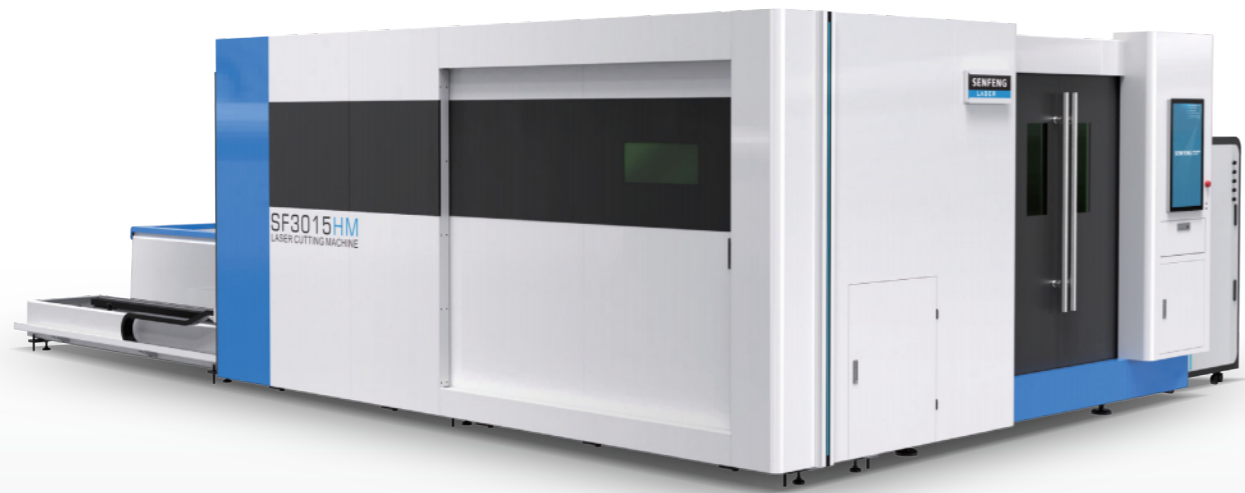
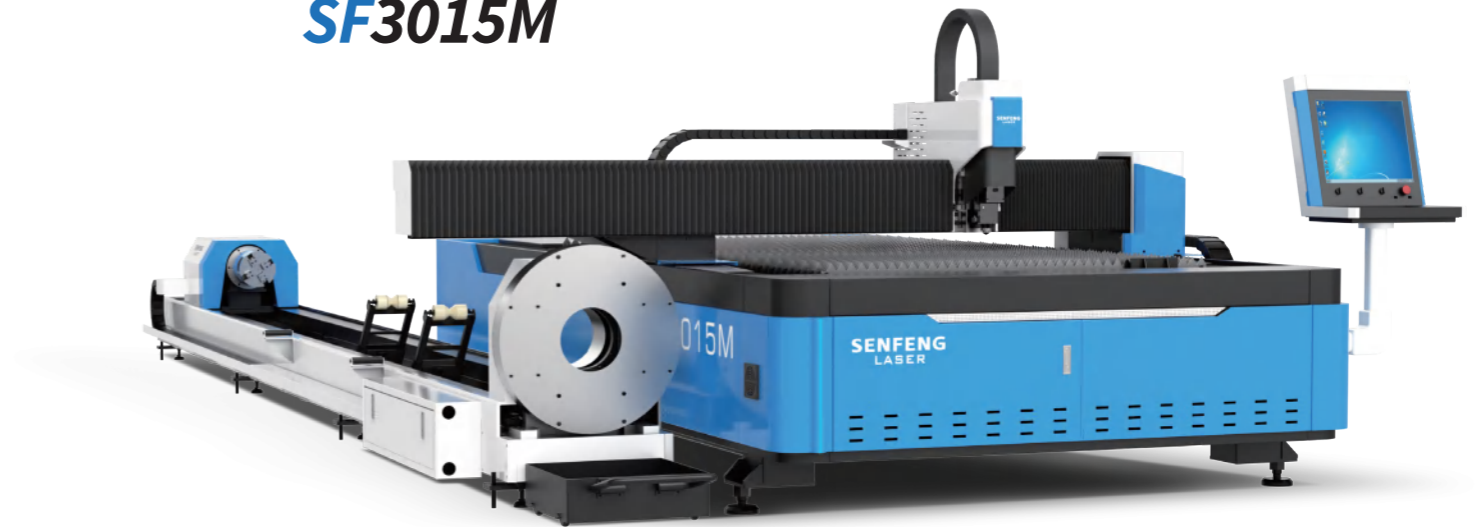


Plate and Tube Cutter

➤ Laser Cutter for Plate & Tube

- Simple and concise appearance
- Sheet and tube cutting in one machine
- Cost and space saving

Open type
SF3015M



Technical Parameters

Model	SF3015HM/SF4020HM/SF6015HM/SF6020HM/SF6025HM	
Working area(mm)	3050*1530/4050*2030/6050*1530/6050*2030/6050*2530	
Laser power(kW)	1.5~12	
Max speed(m/min)	130	
X/Y-axis positioning accuracy(mm/m)	±0.05	
X/Y-axis repeated positioning accuracy(mm)	± 0.02	

Application Show

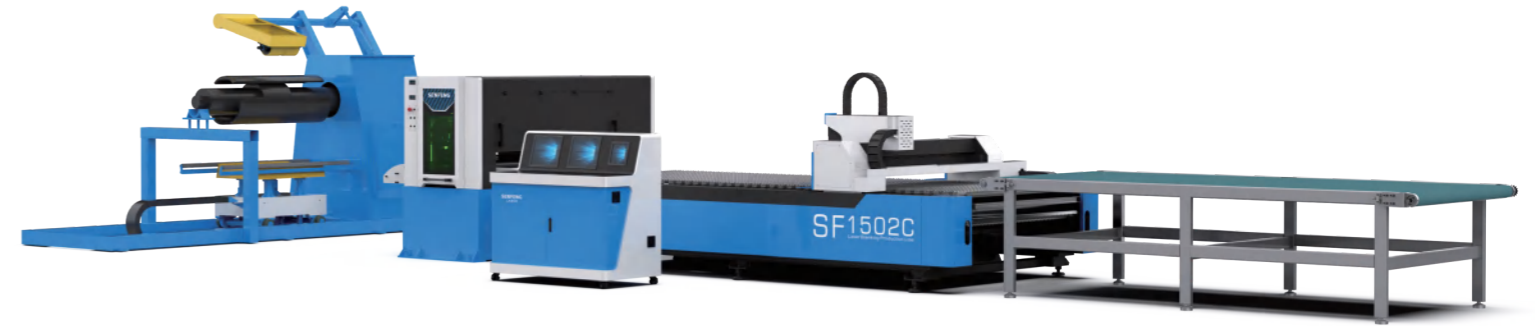


Coil Steel Cutter

Open type
SF1503C

Coil-Fed Laser Blanking System

- High operating efficiency and cost saving
- Ultra-high transmission accuracy
- Positioning and rectifying with high precision



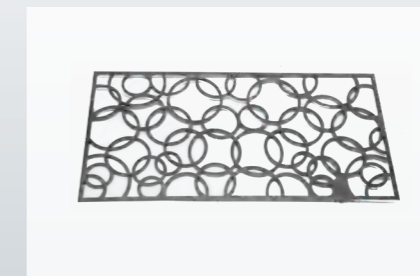
Fully enclosed
SF1503CH



Technical Parameters

Model	SF1503CH
Material width(mm)	600-1500
Material thickness(mm)	0.6-3
Feeding accuracy(mm)	±2
Feeding speed(m/min)	0-10
Number of leveling rollers	11

Application Show



Laser Welding

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



Welding machine
SF1500HWM

Robotic and handheld laser welding machine
SF2000HWR



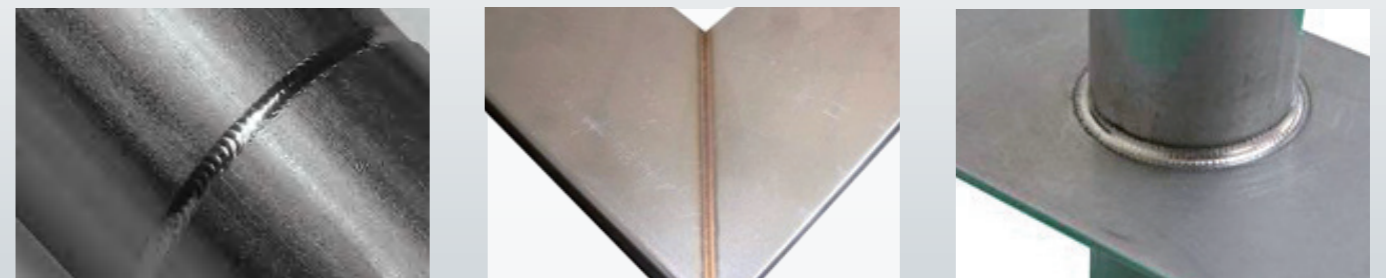
Fiber laser welding machine
SF2000RW



Technical Parameters

Model	SF1500HWM/SF2000HWM/SF3000HWM
Laser power(kW)	1.5/2/3
Welding speed(mm/s)	≤120
Welding range(mm)	Carbon steel: 0.5~4mm; Stainless steel:0.5~4mm; Aluminum:0.5~3mm
Fiber length(m)	Standard 10
Cooling mode	Water cooling
Electromechanical	380V/50Hz 220V optional

Application Show



Laser Cleaning

➤ Handheld Laser Cleaning Machine

- Highly flexible cleaning
- Safer and easier to operate
- Green technology with fast return on investment



Pulse laser cleaning machine
SF200HC/SF300HC
SF500HC



Metal laser cleaning machine
SF500HCR



Continuous laser cleaning machine
SF1500HC

Technical Parameters

Model	SF200HC/SF300HC/SF500HC
Laser power(w)	200/300/500
Maximum single pulse energy(MJ)	10/12.5/25
Fiber length(m)	10/10/15
Cleaning width(mm)	10-80mm

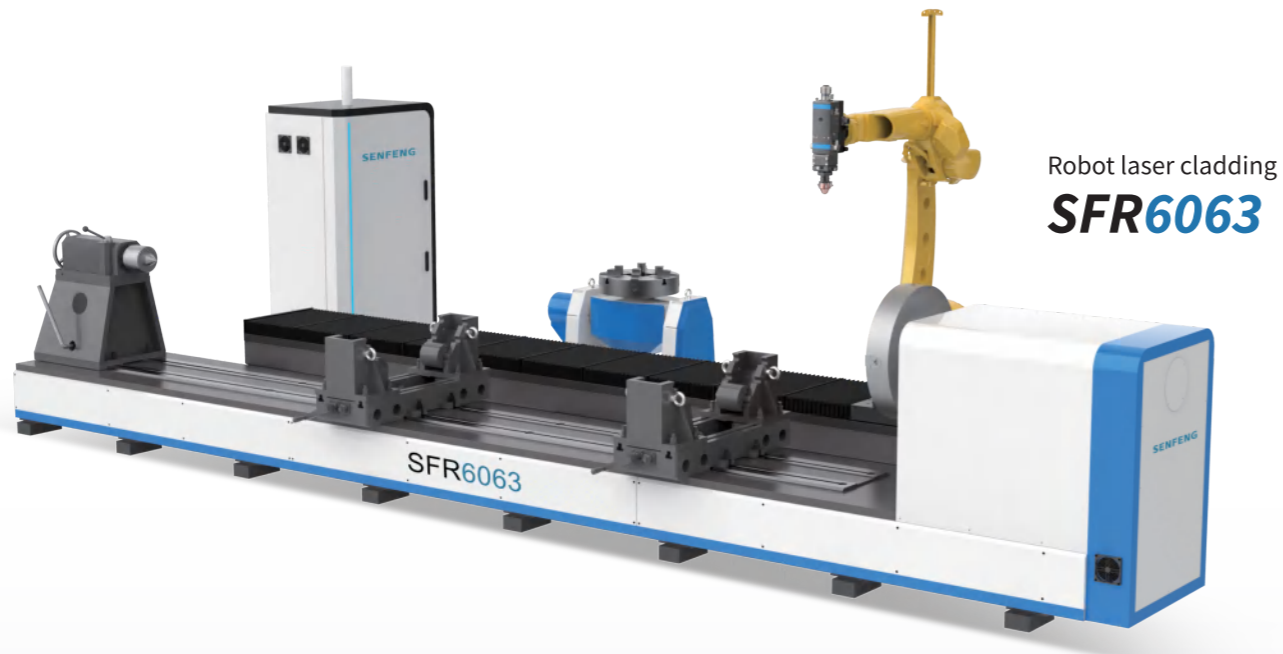
Application Show



Laser Cladding

➤ Laser Cladding Machine

- ⦿ High processing efficiency
- ⦿ Surface smooth without subsequent grinding
- ⦿ Cost saving by great powder utilization



Robot laser cladding
SFR6063



Mobile robot cladding
SFMR02



Fully enclosed
SFHS3050

Technical Parameters

Model	SFR6063
Power(kW)	6
Machine length(m)	3/6/9/12
Max rotation diameter(mm)	1200/1500
Max capacity(T)	3/10/15
Robot	FANUC M-10iD/M-20iD
Biaxial positioner	Swing 120-degree; rotate 360-degree
Cladding thickness(mm)	0.1-1.5
Cladding layer characteristics	Restoration/wear-resisting/corrosion-resisting and so on

Application Show



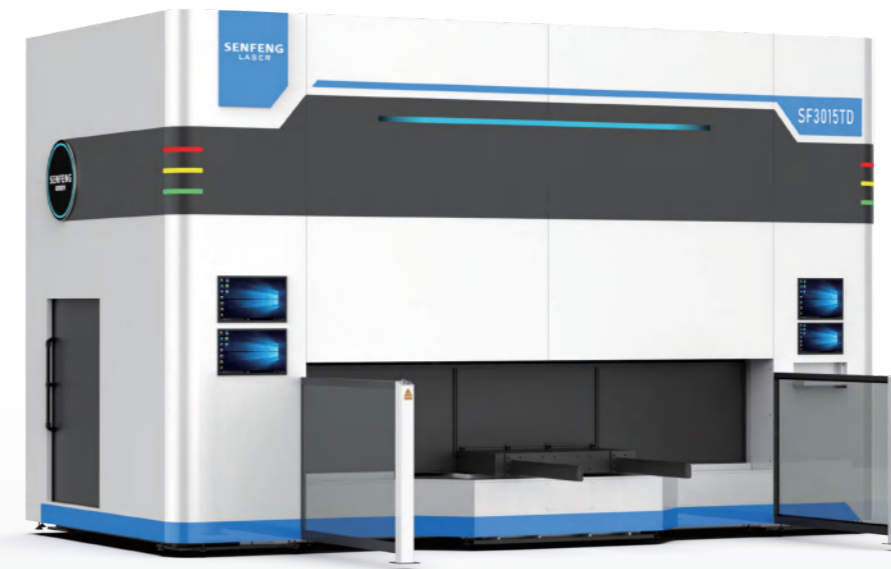
Flexible Processing

➤ 3D Robot Fiber Laser Automation System

- Ultra integrated production line with cutting, welding, cleaning and marking
- Fully automated great labor-saving
- Efficiency and accuracy significantly increased



Fiber laser cutting machine
3D Robot

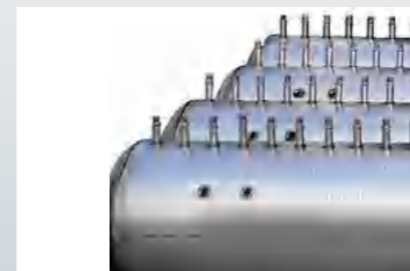


360° full surround cutting
3D Five-axis Cutting Machine

Technical Parameters

Robot ontology	Fanuc M-20iB
Laser power	RCL-750W.DLS-2kW
Repeated positioning accuracy(mm/m)	±0.03
The wingspan(mm)	1,811
Sighting system	Red light

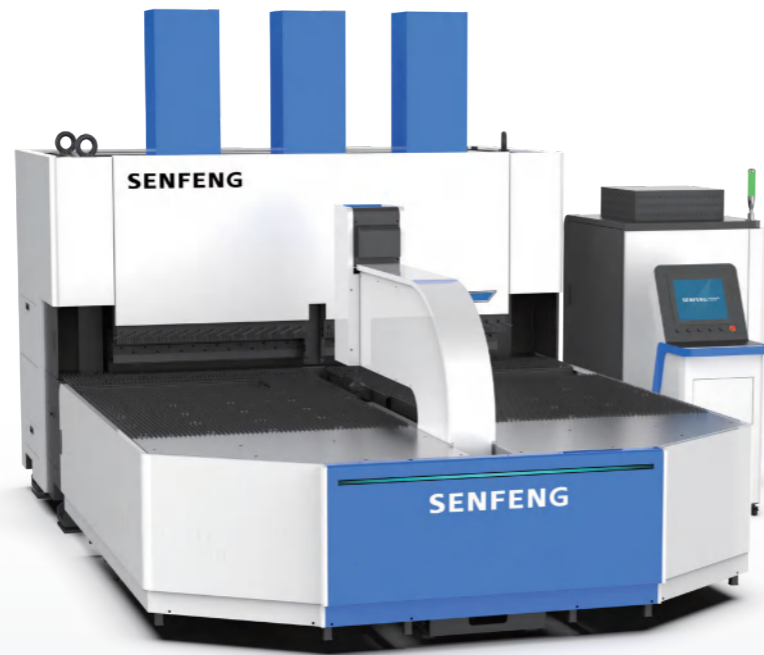
Application Show



Bending Machine

➤ Servo Electric Panel Bender

- ⦿ 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.



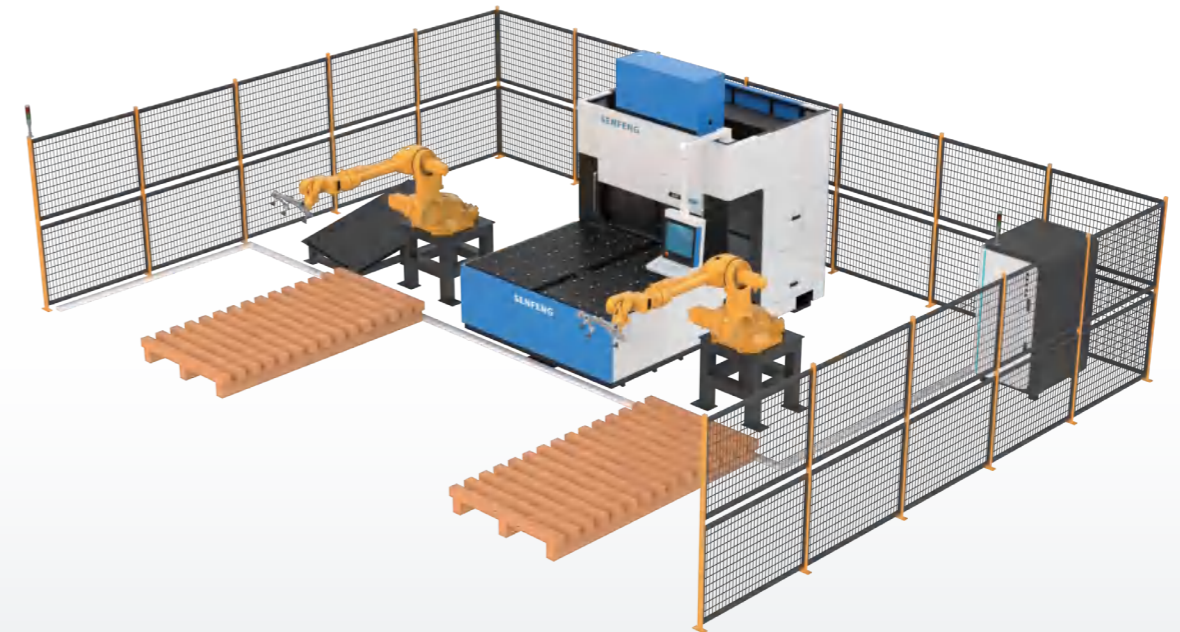
Technical Parameters

Model	BDC-1500/BDC-2000/BDC-2500
Max bend speed	≤0.2s
Max bend length(mm)	1500/2000/2500
Max bending height(mm)	170
Min bending height(mm)	6
Min molding size of four sides (mm)	280*280
Bending angle	0-180

CNC press brake
BDE13032



Automatic bending unit
BDC1500FA



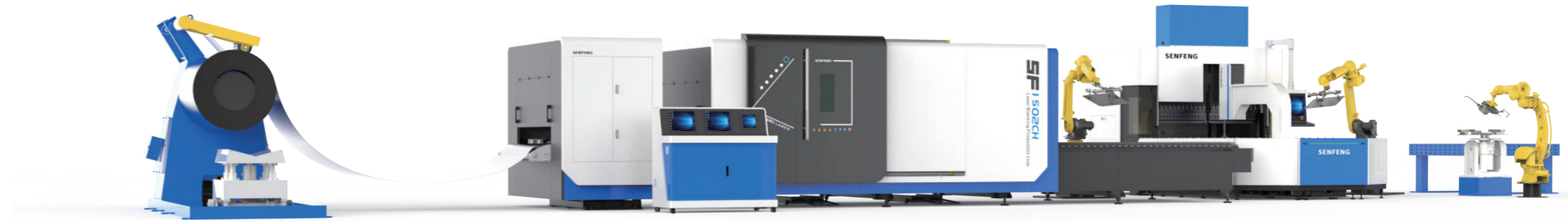
Application Show



Intelligent Metal Fabrication Line

Flexible Metal Processing Line

- Any separate module or the whole line can be connected to MES system to achieve unified management.
- Can help you boost productivity to the maximum.
- The whole line is highly-integrated with top speed of cutting, bending and welding.



Decoil

Coil-Straighten

Laser Cutting

Transfer Arm

Panel Bending

Laser Welding



CNC Milling Machine

➤ CNC Mill Roll Lathe

- Saddle max swing: $\phi 630\text{mm}$
- Max cutting length: 3000mm



Technical Parameters

Model	SF-R630	
Processing range	X/Y/Z-axis stroke	8500mm/4200mm/1250mm
	Gantry span	3600mm
	Distance from spindle end surface to worktable	400~1650mm
Worktable	Worktable area	8000mm*3000mm
Spindle	Spindle speed	10rpm~4000rpm
	Spindle torque	866Nm/1023Nm
	Spindle taper and specification	ISO7: 24N050
Feed drive	X/Y/Z-axis fast-moving speed	10m/min; 15m/min; 10m/min
	X/Y/Z-axis feed speed	6m/min
Tool library (Optional)	Tool library capacity	No.24/No.40
Accuracy (ISO230-2)	Positioning accuracy	X/Y/Z-axis:0.032mm/0.024mm/0.018mm
	Repeated positioning	X/Y/Z-axis:0.022mm/0.020mm/0.012mm
CNC system	FANUC Oi	

➤ Fixed Bridge Gantry Machining Center

- Working area: 8000*3000mm
- Max load: 40T



Technical Parameters

Model	SFF3680	
Capability	Saddle max swing	$\phi 630\text{mm}$
	Distance between the two lathe centers	3000mm
	Distance between two tops	3300mm
	Clamp-Top device (Load bearing)	5T
Spindle	Spindle speed range	4r/min~285r/min
	Spindle max torque	3700N·m
Accuracy (ISO230-2)	Positioning accuracy	X:0.016mm Z:0.05mm
	Repeated positioning accuracy	X:0.006mm Z:0.013mm
Others	Machine tool area (Length*width)	7430mm*2490mm
	Net weight of machine tool	16000kg
	CNC system (Other systems are optional)	SINUMERIK-828D

SENFENG

Applications

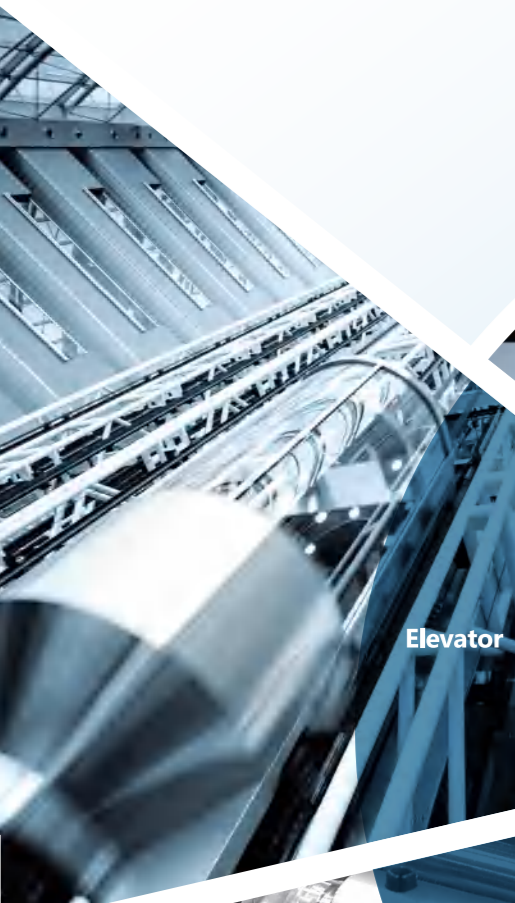
SENFENG equipments are widely used in advertising signs, decoration, craft gifts, soft material cutting, sheet metal, electronics, household appliances, automobile manufacturing, shipping, environmental protection and other industries.



Transport Industry



Metal plate process



Elevator



Metal Furniture



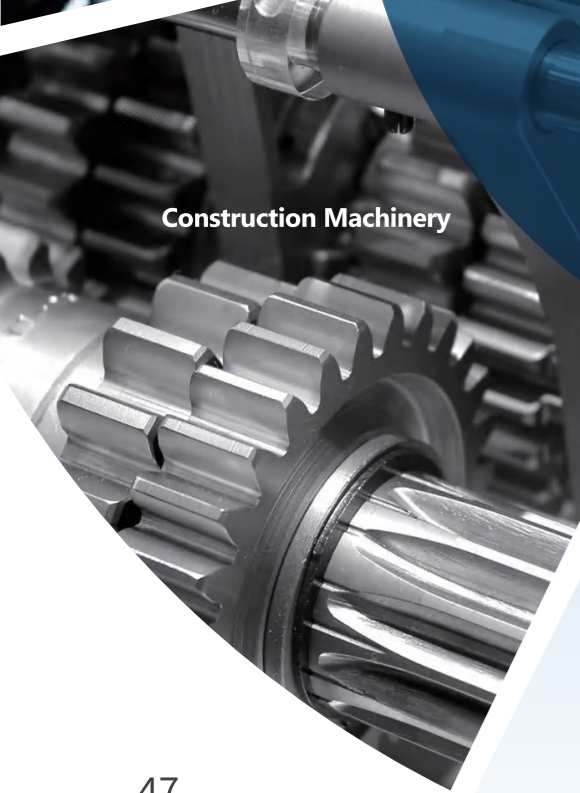
Food Machinery



Power Generation



Fitness Equipment



Construction Machinery



Medical machinery

Customers Worldwide



Exhibitions



Certifications

We have passed CE from TÜV, ROHS, FDA, ETL, CSA certificates, which is in line with European and American standards.





After-sales and 5-star Service System



10 Minutes Quick Response

- 24/7 available for your call.
- Professional technical engineers reply with a solution within 10 minutes 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**