

SENFENG



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Note: The pictures and parameters in the album are for reference only, and the actual product shall prevail. Printed in Mar. 2026.

SENFENG

About SENFENG

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.

In order to achieve global local services more efficiently, we have established 4 subsidiaries in the USA, Germany, UAE, and 9 service centers in the Türkiye, Jordan, Pakistan, India, Vietnam, Indonesia, Japan, Australia and Poland.

After years of persistent probe in the field of laser technology, we are equipped with a great pool of core tech to drive automation process of modern machinery industry.

VR Panoramic Video

Get Immersive Online Tour



3 Manufacturing Bases

All Your Worries will be Gone after Taking This Virtual Tour!

Global Headquarters

Provide the full industrial chain as a multifunctional hub

Comprehensive Manufacturing Base

Focus on optical R&D and lean production

Dedicated Manufacturing Base

Manufacture a variety of advanced laser equipment

Countries

Products all over the world

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 80kW, 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

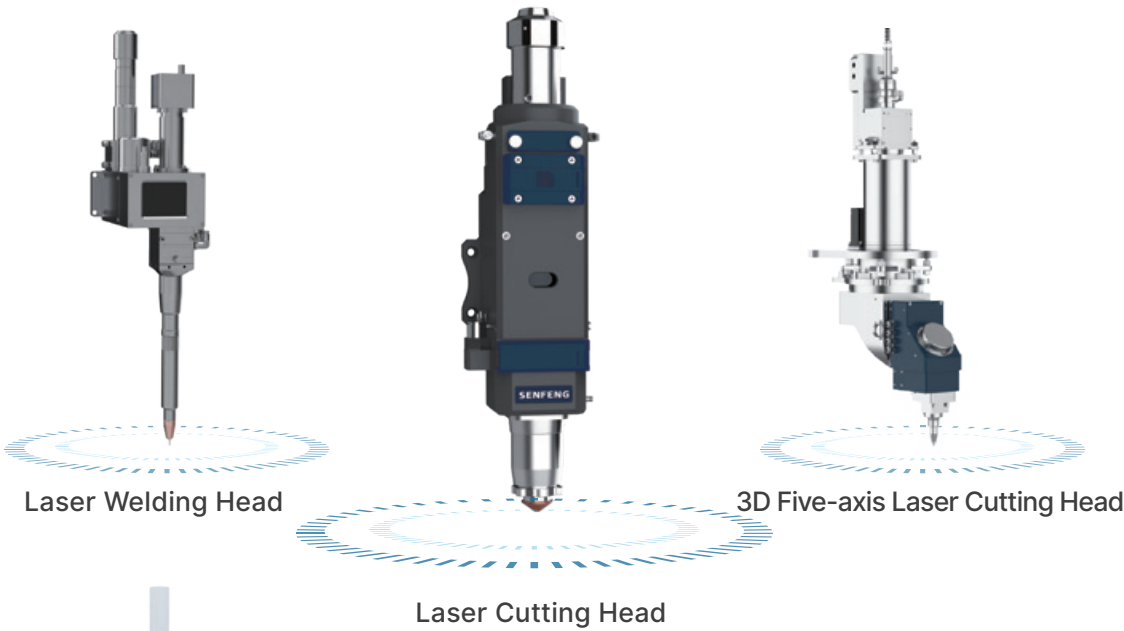
Lightning-fast Cutting

Lighting-fast 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.

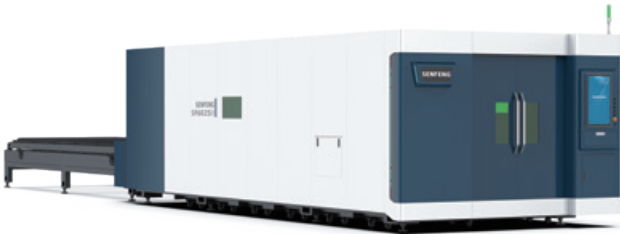


Sheet Laser Cutting Series

Fully-enclosed Sheet Laser Cutting Machine

- Special for cutting thick sheet
- Double exchange platforms

Model	SF3015H/SF4020H/SF6020H/SF6025H/SF8025H/SF12025H/SF12528H
Working area	3080*1530mm/4100*2030mm/6100*2030mm/6100*2530mm/8100*2530mm/12100*2530mm/12550*2830mm
X/Y-axis positioning accuracy	±0.05mm
X/Y-axis repositioning accuracy	±0.02mm
Max speed	180m/min
Laser power	6-80kW



High-speed Sheet Laser Cutting Machine

- Acceleration up to 1.5G
- Top configurations for superior cutting effects
- Enjoy superior performance

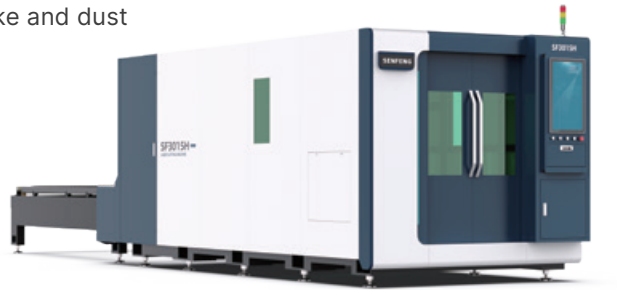
Model	SF3015HPro/SF4020HPro/SF6020HPro
Working area	3000*1500mm/4000*2000mm/6000*2000mm
X/Y-axis positioning accuracy	±0.05mm
X/Y-axis repositioning accuracy	±0.02mm
Laser power	6-12kW



Cost-effective Sheet Laser Cutting Machine

- Cut thin sheet at lightning-fast speed
- Fast to remove smoke and dust

Model	SF3015HC/4015HC/6015HC
Working area	3050*1530mm/4050*1530mm/6050*1530mm
X/Y-axis positioning accuracy	±0.05mm
X/Y-axis repositioning accuracy	±0.02mm
Max speed	130m/min
Laser power	1.5-12kW



Ultra-high-power Sheet Laser Cutting Machine

- A flagship model
- Cut over-sized, ultra-long and super-thick sheet

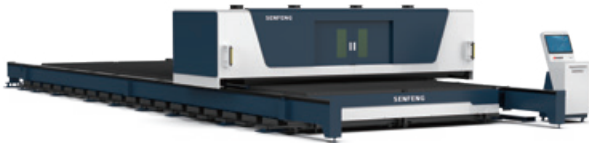
Model	SF3015H/SF4020H/SF6025H/SF8025H/SF12025H
Working area	3050*1530mm/4050*2030mm/6050*2530mm/8050*2530mm/12050*2530mm
X/Y-axis positioning accuracy	±0.05mm
X/Y-axis repositioning accuracy	±0.02mm
Max speed	200m/min
Laser power	12-80kW



Ultra-large-format Sheet Laser Cutting Machine

- Special ground rack
- ±45°bevel cutting (optional)
- Cut extra-large, super-heavy and ultra-thick metal sheet

Model	SF6030R/SF8030R/SF12030R/SF14030R/SF24040R/SF30040R
Working area	6000*3000mm/8000*3000mm/12000*3000mm/14000*3000mm/24000*4000mm/30000*4000mm
X/Y-axis positioning accuracy	±0.1/1000mm
X/Y-axis repositioning accuracy	±0.05mm
Max speed	80m/min
Laser power	6-80kW



Single-platform Sheet Laser Cutting Machine

- High cost performance
- Further upgrades in configurations

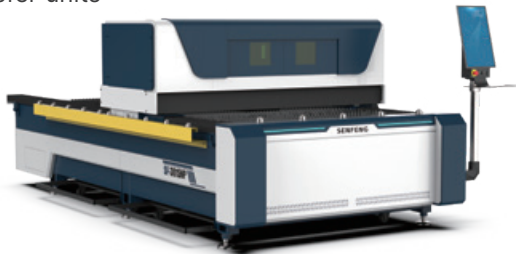
Model	SF3015N
Working area	3050*1530mm
X/Y-axis positioning accuracy	±0.05mm
X/Y-axis repositioning accuracy	±0.02mm
Max speed	100m/min
Laser power	1.5-6kW



Technically-upgraded Sheet Laser Cutting Machine

- 8mm thick bed for much higher stability
- Make operations easier by new touch screen, dust guard and ball transfer units

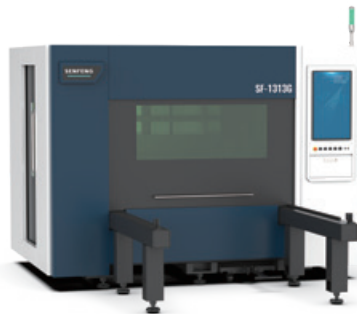
Model	SF3015NP
Working area	3050*1530mm
X/Y-axis positioning accuracy	±0.05mm
X/Y-axis repositioning accuracy	±0.02mm
Max speed	120m/min
Laser power	1.5-12kW



Compact-size Sheet Laser Cutting Machine

- Born for compact workshop under eco-friendly request
- Cut thin sheet (≤20mm) at high precision

Model	SF1313G
Working area	1300*1300mm
X/Y-axis positioning accuracy	±0.05mm
X/Y-axis repositioning accuracy	±0.02mm
Max speed	100m/min
Laser power	1.5-6kW



Compact-size Fully-enclosed Sheet Laser Cutting Machine

- Ultra-large embedded screen
- Dual-channel fume extraction for green production

Model	SF1530G
Working area	1510*3010mm
X/Y-axis positioning accuracy	±0.05mm
X/Y-axis repositioning accuracy	±0.02mm
Max speed	100m/min
Laser power	1.5-6kW



Tips: Some machines above may work with automatic pallet racks and loading & unloading devices (optional). For details, please contact our sales engineers.

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Sheet Cutting Automation System

Manual Pneumatic Cantilever Loading Device



Loading thickness (carbon steel)	14mm/11mm
Max loading weight	500kg/750kg
Applicable working area	3000*1500mm/4000*2000mm

Single-cantilever Automatic Loading Device



Loading thickness (carbon steel)	8mm/11mm
Max loading weight	300kg/750kg (non-standard)
Applicable working area	3000*1500mm/4000*2000mm

Loading & Unloading Control Device for Standard ASRS



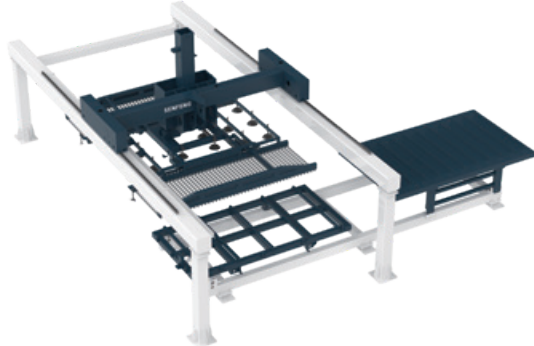
Max size of sheet	3000*1500mm/4000*2000mm/6000*2500mm
Min size of sheet	800*800mm
Max load per layer	3000kg

Single-side Gantry Loading & Unloading Device



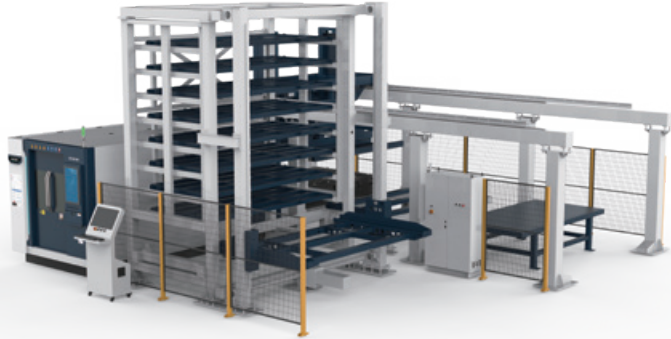
Loading thickness (carbon steel)	14mm/8mm
Max loading weight	500kg
Applicable working area	3000*1500mm/4000*2000mm

Double-side Gantry Loading & Unloading Device



Loading thickness (carbon steel)	14mm/11mm/8mm
Max loading weight	500kg/750kg/1000kg
Applicable working area	3000*1500mm/4000*2000mm/6000*2500mm

Loading & Unloading Control Device for Compact ASRS



Max size of sheet	3000*1500mm/4000*2000mm/6000*2500mm
Min size of sheet	800*800mm
Max load per layer	3000kg

Sheet & Tube Laser Cutting Series

Fully-enclosed Sheet & Tube Laser Cutting Machine

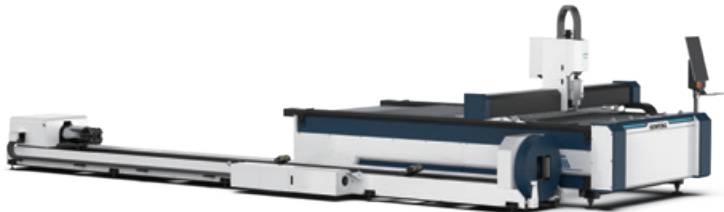
- Special for thin sheet (≤20mm) and relatively small tube
- Nearly smoke-free effect



Model	SF3015HM/SF4020HM/SF6015HM/SF6020HM
Working area	3050*1530mm/4050*2030mm/6050*1530mm/6050*2030mm
Max length of tube	6000mm
Range of tube size	20~220mm
Max speed	130m/min
Laser power	6~30kW

2026 Latest Sheet & Tube Laser Cutting Machine

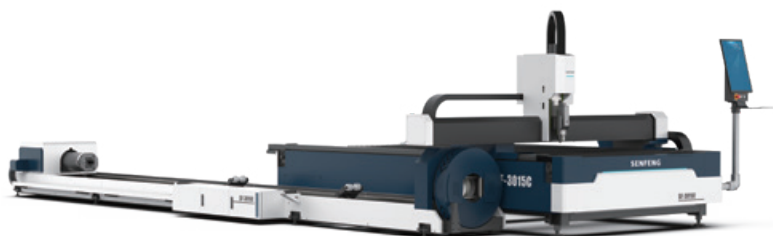
- Cut thin sheet and round, square, rectangular tubes
- Pneumatic internal chuck with good shock resistance



Model	SF3015PC
Working area	3050*1530mm
Range of tube size	20-240mm
Max load of tube	260kg
Max speed	100m/min
Laser power	1.5-12kW

Open-type Sheet & Tube Laser Cutting Machine

- Load and unload from front, rear and both sides at will
- Aviation-grade AL beam



Model	SF3015C/SF4015C/SF4020C/SF6015C/SF6020C
Working area	3050*1530mm/4050*1530mm/4050*2030mm/6050*1530mm/6050*2030mm
Max length of tube	6000mm
Range of tube size	20~220mm
Max load of tube	150kg
Max speed	100m/min
Laser power	1.5~6kW

3D Laser Cutting Series

3D five-axis Cutting Machine

- 360° full surround cutting
- Fully enclosed intelligent anti-collision structure



Model	SF3015TDH
XYZ axis stroke	3000mm/1500mm/700mm
A-axis stroke	±135°
C-axis travel	±361°
XYZ axis speed	100m/min
Axial speed	90r/min
C-axis speed	90r/min
XYZ Repeatability positioning accuracy	±0.03mm
A repeated positioning accuracy	±0.005°
C repeated positioning accuracy	±0.005°

Model	SF4025MF
XYZ axis stroke	4000mm/2500mm/700mm
A-axis stroke	±135°
C-axis travel	±361°
XYZ axis speed	80m/min
Axial speed	90r/min
C-axis speed	90r/min
XYZ Repeatability positioning accuracy	±0.02mm
A repeated positioning accuracy	±0.005°
C repeated positioning accuracy	±0.005°

Robot Laser Cutting Workstation



Model	SF1500RC/SF2000RC/SF3000RC
Repeated positioning accuracy	±0.02mm
Reachable radius of the robot	1853mm
X/Y-axis repeated positioning	±0.02mm
Machine power	12kW/13kW/16kW/27kW
Robot	FANUC-M-20iB
Number of control axle	6 (J1/J2/J3/J4/J5/J6)
Laser power	1.5kW~6kW

Tube Laser Cutting Series

Two-chuck Tube Laser Cutting Machine

- Pneumatic self-centering chucks
- Follow-up or vari-pitch support available



Model	SF6012T/SF6016T/SF6024T/SF6035T
Max length of tube	6500mm
Clamping range of chucks	Φ15~360mm □15*15~360*360mm
Max rotating speed of chucks	60-180r/min
Max weight of tube	120-500kg

High-speed High-precision Tube Laser Cutting Machine

- Cut with very short or even 0 tailing
- Straight cut and 45°beveling (optional) available



Model	SF6012PLUS/SF6016PLUS/SF6024PLUS
Max length of tube	3000-6500mm
Clamping range of chucks	Φ15~230mm □15*15~230*230mm
Max rotating speed of chucks	100-240r/min
Max weight of tube	60-260kg

Three-chuck Zero-tailing Laser Cutting Machine

- 0 tailing
- Unloading device available
- ±45°bevel cutting (optional)

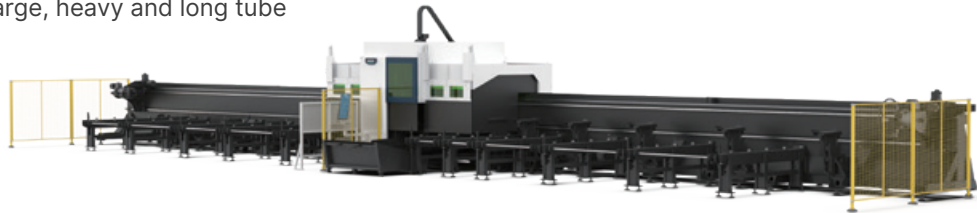


Model	SF6024NT/SF6035NT/SF9024NT/SF9035NT/SF12035NT
Max length of tube	6000-12000mm
Clamping range of chucks	Φ20~360mm □20*20~360*360mm
Max rotating speed of chucks	60-100r/min
Max weight of tube	260-700kg

Tips: Some machines above may work with fully-/semi-automatic loading and automatic unloading devices (optional). For details, please contact our sales engineers.

Three-chuck Side-attached Tube Laser Cutting Machine

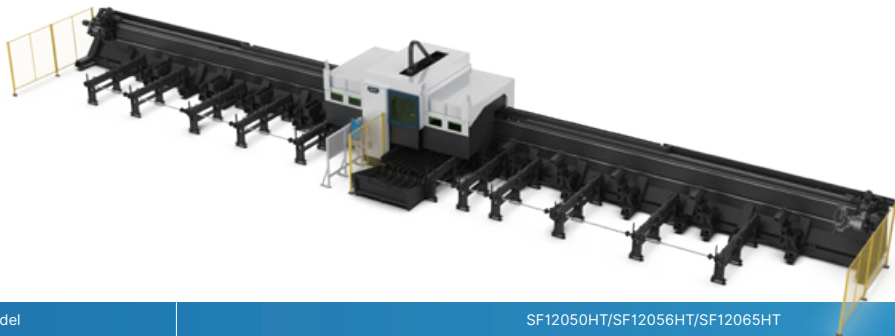
- Straight cut and ±45°beveling (optional) available
- Come with semi-automatic & unloading devices
- Fit to cut large, heavy and long tube



Model	SF9035ST/SF12035ST/SF12050ST/12056ST/12065ST
Max length of tube	9000-12000mm
Clamping range of chucks	Φ50~650mm □50*50~650*650mm
Max rotating speed of chucks	30-60r/min
Max weight of tube	1000-2500kg

Four-chuck Side-attached Tube Laser Cutting Machine

- Special for large H beam
- One machine with multiple functions
- Both straight cutting and ±45°bevel cutting available



Model	SF12050HT/SF12056HT/SF12065HT
Max length of tube	12000mm
Clamping range of chucks	Φ50~650mm □50*50~650*650mm
Max rotating speed of chucks	≤30r/min
Max weight of tube	≤2500kg

Profile Steel Laser Cutting Machine

- Special for large H beam
- One machine with multiple functions
- Both straight cutting and ±45°bevel cutting available



Model	SF1500CH/SF1412CH
Laser power	12-40kW
Working area (L*W)	28000*3000mm/14000*3000mm
Max cutting thickness	40mm/50mm
Max no-load speed	60/50m/min

Tips: Some machines above may work with fully-/semi-automatic loading and automatic unloading devices (optional). For details, please contact our sales engineers.

Tube Laser Cutting Series

Two-chuck Horizontal Tube Laser Cutting Machine

- Pneumatic precision chucks available
- Various tube supports



Model	SF6012S1/SF6016S1/SF6024S1
Max length of tube	6500mm
Clamping range of chucks	Φ15-240mm □15*15-240*240mm
Max rotating speed of chucks	80-180r/min
Max weight of tube	≤260kg

Two-chuck Side-attached Tube Laser Cutting Machine

- 1.5G acceleration
- Cut with 0 tailing
- Automatic loading device



Model	SF6012S2/SF6016S2/SF6024S2
Max length of tube	6500mm
Clamping range of chucks	Φ15-240mm □15*15-240*240mm
Max rotating speed of chucks	90-240r/min
Max weight of tube	≤260kg

Three-chuck Side-attached Tube Laser Cutting Machine

- Straight cutting and ±45°bevel cutting
- Automatic loading & unloading devices (optional)
- High degree of automation with tube deviation compensation



Model	SF6024S3/SF12028S3/SF12035S3/SF12050S3
Max length of tube	6000-12000mm
Clamping range of chucks	Φ20-500mm □20*20-500*500mm
Max rotating speed of chucks	≤50r/min
Max weight of tube	≤2000kg

Tube Loading System

Semi-automatic Loading System

Semi-automatic Sloped Loading Device

Tube length (min-max)	5000-6200mm
Max weight of single tube	120kg
Tube type	Round tube, square tube, rectangular tube



Semi-automatic Chained Loading Device

Tube length (min-max)	4000-6100mm/4000-9000mm/4000-12000mm
Max weight of single tube	700kg
Tube type	Round tube, square tube, rectangular tube, angle steel, channel steel, I-beam



Dual-arm Semi-automatic Chained Loading Device

Tube length (min-max)	4000-6100mm/4000-9000mm/4000-12000mm
Max weight of single tube	240kg
Tube type	Round tube, square tube, rectangular tube, angle steel, channel steel, I-beam



Fully-automatic Loading System

Simply-designed Fully-automatic Loading Device

Tube length (min-max)	3500-6100mm/4500-9000mm/6000-12000mm
Max weight of single tube	3T
Tube type	Round tube, square tube, rectangular tube



Professional Fully-automatic Loading Device

Tube length (min-max)	3500-6100mm/4500-9000mm
Max weight of single tube	3T
Tube type	Round tube, square tube, rectangular tube

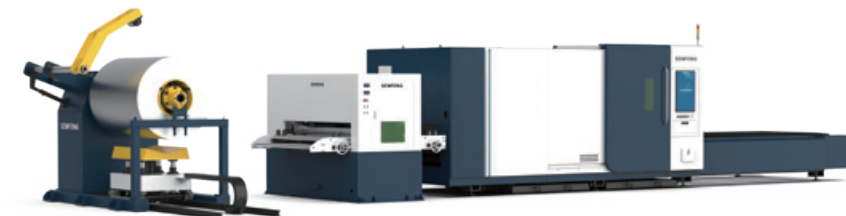


Tips: Some machines above may work with fully-/semi-automatic loading and automatic unloading devices (optional). For details, please contact our sales engineers.

Coil-fed Laser Cutting Series

Full-cover Coil-fed Laser Cutting Machine

- 10T/15T loading capacity, triple efficiency



Model	SF1502CH
Coil thickness	0.6~2mm
Sheet width	600~1500mm
Inside and outside diameter of coil	Φ508mm/610mm Φ800~1500mm
Maximum weight of coil	10T/15T
Sheet flatness	±1.5mm/m²
Maximum speed of sheet feeding	0~15m/min
Number of working rollers	9

Affordable Coil-fed Laser Cutting Machine



Model	SF15015C
Coil thickness	0.8~1.2mm
Sheet width	800~1500mm
Inside and outside diameter of coil	Φ508mm/610mm Φ800~1500mm
Maximum weight of coil	3T/8T/10T/15T
Sheet flatness	±2mm/m²
Maximum speed of sheet feeding	0~15m/min
Number of working rollers	11

Aluminum Coil-fed Laser Cutting Machine

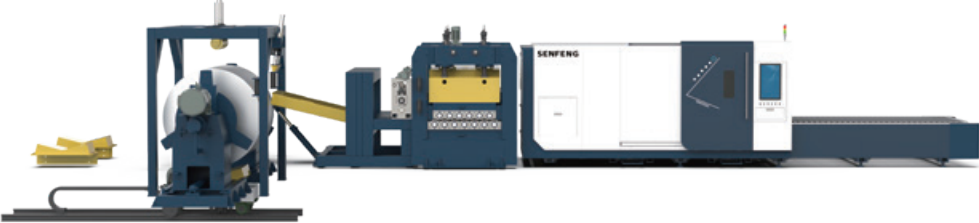
- Expert in processing aluminum coil
- Coiled material thickness:0.8-3mm



Model	SF1503CLH
Coil thickness	0.8~3mm
Sheet width	800~1500mm
Inside and outside diameter of coil	Φ508mm/610mm Φ800~1500mm
Maximum weight of coil	10T/15T
Sheet flatness	±1.5mm/m²
Maximum speed of sheet feeding	0~15m/min
Number of working rollers	19

Flagship Coil-fed Laser Cutting Machine

- Fast response
- Cut sheet coils within a large range



Model	SF1820CH
Sheet width	800-1800mm
Inside diameter of coil	Φ508mm/610mm/Φ762mm
Outside diameter of coil	Φ2000mm
Maximum weight of coil	30T
Coil thickness	6-20mm
Sheet flatness	±2mm/m²
Maximum speed of sheet feeding	0-15m/min
Working area	8000*1850mm

High-efficiency Coil-fed Laser Cutting Machine

- Allow for customization in batch
- High in cutting speed and precision



Model	SF1803CH
Sheet width	800-1850mm
Inside diameter of coil	Φ508mm/610mm Φ800-1500mm
Outside diameter of coil	Φ800-1500mm
Maximum weight of coil	15T
Coil thickness	0.8-3mm
Sheet flatness	±1.5mm/m²
Maximum speed of sheet feeding	0-15m/min
Working area	6000*2000mm/8000*1850mm

Large-sized Aluminum Coil-fed Laser Cutting Machine

- Highly flexible in operations
- Speed up its cutting speed sharply



Model	SF1803CLH
Sheet width	800-1850mm
Inside diameter of coil	Φ508mm/610mm Φ800-1500mm
Outside diameter of coil	Φ800-1500mm
Maximum weight of coil	15T
Coil thickness	0.8-3mm
Sheet flatness	±1.5mm/m²
Maximum speed of sheet feeding	0-15m/min
Working area	6000*2000mm/8000*1850mm

Laser Welding Series

Handheld Fiber Laser Welding Machines

- Water or air cooling
- Weight of welding gun≤0.7kg
- Friendly to green hands

Model	S	HWM
Laser power	0.8-1.5kW	1.5-3kW
Welding range	Carbon steel: 0.5-5mm; stainless steel: 0.5-5mm; aluminum: 0.5-4mm	Carbon steel: 0.5-7mm; stainless steel: 0.5-7mm; aluminum: 0.5-6mm
Water cooling mode	Air cooling	Water cooling
Wire feeding diameter	0.8-1.6mm	0.8-1.6mm



S

HWM

Pulsed/Continuous Fiber Laser Cleaning Machines

- Basically no harm to substrate
- Make 360° moving and outdoor work possible

Model	HC	HC
Laser power	0.2-0.5kW	1.5-3kW
Type of laser beams	Pulsed	Continuous
Cleaning width	≤130mm	Single-swing modes300mm; dual-swing modes800mm
Main function	Remove oil, rust, paint, etc.	Remove oil, rust, paint, etc.
Context of use	Small-area precise cleaning	Large-area cleaning



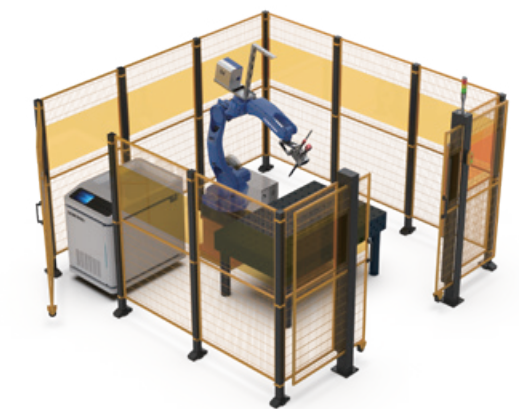
Pulsed model

Continuous model

Robotic Fiber Laser Welding Machine

- High automation for large-format welding
- May apply for stepper wire feeder as optional

Model	SF1500CRW/SF2000CRW/SF3000CRW/SF6000CRW
Laser power	1.5kW/2kW/3kW/6kW
Robot	SF-Ra18-20/SF-Ra18-30 (6kW)
Max welding thickness	2mm/3mm/5mm/6mm
Welding head	Wobber welding head



Fully-enclosed Robotic Laser Welding Machine

- Weld various special-shaped metals
- High automation, save labor costs

Model	SF1500RW/SF2000RW/SF3000RW/SF6000RW
Laser power	1.5kW/2kW/3kW/6kW
Robot	FANUC-M-20iD/25
Max welding thickness	2mm/3mm/5mm/6mm
Welding head	Laser welding head with dual protective lens



Arc Welding Series

Collaborative Robotic Arc Welding Machine

- Small in size and moveable, fitting for on-site welding of large workpieces

Model	SF350CMW/SF500CMW
Robot armspan	1077mm/1460mm
EoAT payload of robot	7kg/6kg
Repositioning accuracy	±0.02mm/±0.05mm
MIG/MAG welding machine	350A/500A (as needed)

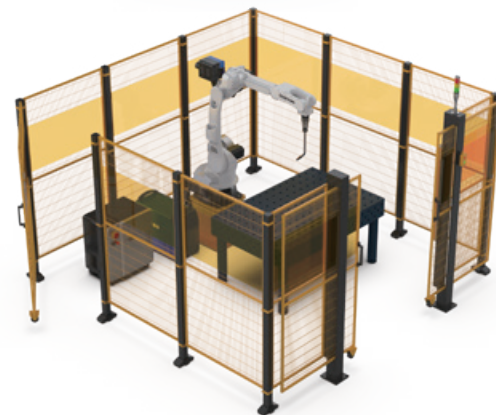


Robotic Arc Welding Machine

- Work with special robot to make arc welding easier

Model	SF350RMW/SF500RMW
Robot armspan	1440mm/2010mm
EoAT payload of robot	10kg/12kg
Repositioning accuracy	±0.05mm
MIG/MAG welding machine	350A/500A (as needed)
Robot	Chinese brand, or customize other imported robots as needed.

Notes: Please use air-cooling welding gun for 350A, or water-cooling gun for 500A.



Teaching-free Robotic Arc Welding Machine

- Teaching-free weld seam tracking
- Industrial welding robot used for automatic welding

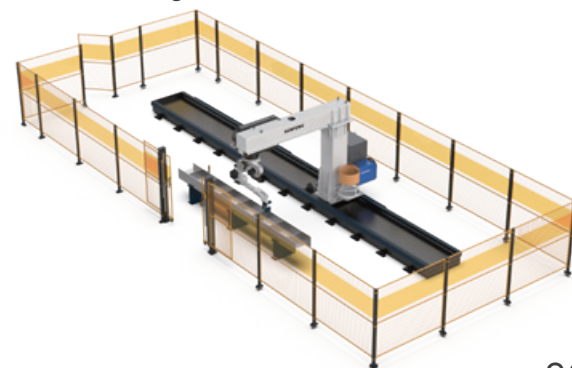
Model	SF500RMW
Robot armspan	2010mm
EoAT payload of robot	12kg
MIG/MAG welding machine	NBC-500RP PLUS
Ground rack	Length: 12m, or 6m as optional
Protective fence	Height: 2m



Cantilever Teaching-free Robotic Arc Welding Machine

- Cantilever aided welding
- Teaching-free weld seam tracking
- Industrial welding robot

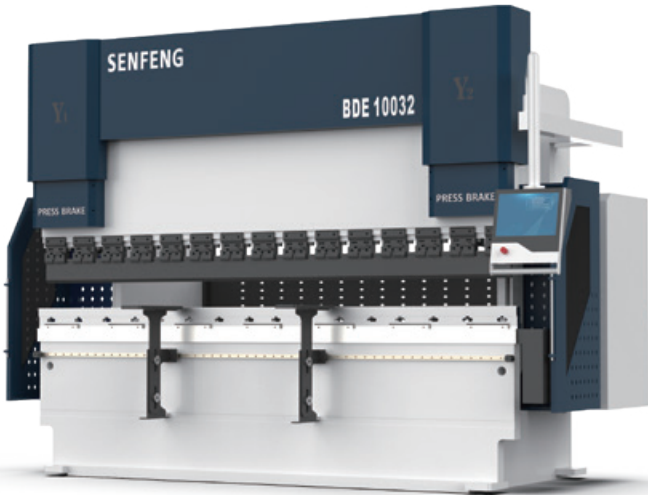
Model	SF500RMW
Robot armspan	2010mm
EoAT payload of robot	12kg
Mobile cantilever frame (X-axis stroke)	Length: 12m, effective travel: 10.5m
Ground rack (Y-axis stroke)	Length: 12m, or 6m as optional
MIG/MAG welding machine	NBC-500RP PLUS
Protective fence	Height: 2m



Metal Sheet Bending Machine

CNC Press Brake

- Various worktable sizes optional
- Easy to achieve thick plate bending



Model	BDE13032		
Metal plate materials	Stainless steel	Carbon steel	Aluminum plates
Bending thickness	2.5mm	3.5mm	5mm
Bending length	3200mm		
Open height	480mm		

Note: The above parameters are the bending thickness of whole plates, not the maximum bending thickness.

Panel Bender

- Save time and improve production capacity
- High-precision thick plate bending
- Bending height can reach 200mm



Model	BDC1500/BDC2000/BDC2500		
Feeding type	Downward pressing		
Maximum bending length	1500mm/2000mm/2500mm		
Maximum bending width	1250mm		
Maximum bending height	200mm (optional:300mm)		
CNC axis number	13		

Model	BDC1500	BDC2000	BDC2500
Carbon steel	2mm	2mm	2mm
Stainless steel	1.5mm	1.5mm	1.5mm
Aluminum plate	2.5mm	2.5mm	2.5mm

Note: The above parameters are the bending thickness of whole plates, not the maximum bending thickness.

Laser Cladding

Robot Laser Cladding Machine

- Support special and complex workpieces processing
- High level of process automation
- Inner hole laser cladding optional



Model	SFR6063
Laser power	6kW/12kW
Effective processing length of workpiece	3m/6m/9m/12m/15m
Robot	KUKA KR25 R1840-3
Max load of dual-axis positioner	500kg
Cladding thickness	0.1~1.5mm

Ultra-high Speed Laser Cladding Machine

- Denser coatings with little or no porosity
- Low heat input process and low distortion
- Consistent layer thicknesses
- Inner hole laser cladding optional



Model	SFHS3050/SFH3050
Laser power	6kW/12kW
Effective processing length of workpiece	3m
Maximum rotation diameter	800mm
Chuck diameter	φ500mm
Max load of worktable	2t (no carrier roller)

Extended-length Internal Bore Laser Cladding Machine

- Fit for cladding ultra-long (12m) internal bore
- Hollow three-jaw self-centering chuck



Model	SFHC12050
Laser power	12kW
Clamping range of chuck	Φ270mm-Φ490mm
Laser spot size	Φ4mm
Effective processing diameter of internal bore	Φ260-473mm (length: 12m)
Max load	3t
Effective processing length of workpiece	12m

Mobile Robot Laser Cladding Machine

- Smaller overall size
- More precise clad placement
- Inner hole laser cladding optional



Model	SFMR01	SFMR02
Laser power	6kW	6kW/12kW
Industrial robot model	KUKA KR25 R1840-3	KUKA KR25 R1840-3
Robot arm range	1840mm	1840mm
Rated load of robot	25kg	25kg
Cladding layer characteristics	Restoration/wear-resisting/corrosion-resisting and so on	Restoration/wear-resisting/corrosion-resisting and so on

Multi-functional Inner & Outer Wall Laser Cladding Machine

- Closed structural design
- Equipped with integrated automatic lubrication system



Model	SFHC3050
Laser power	6kW/12kW
Effective processing length of workpiece	3m
Maximum rotation diameter	1200mm
Maximum load	2t
Processing range of inner bore	Φ160mm-Φ500mm
Processing range of excircle	Φ140mm-Φ630mm

Metal Cutting Machine Tools

Flat Bed CNC Lathe

SF-CK Series

- Swing over bed Φ400-Φ2500 mm
- Distance Between Centers 750-8000 mm



		Item	Unit	SF-CK6140	SF-CK6150	SF-CK6180	SF-CK61125	SF-CK61160
Processing Range	Swing over bed	mm	Φ400	Φ500	Φ800	Φ1350	Φ1700	
	Swing over cross slide	mm	Φ200	Φ275	Φ480	Φ850	Φ1100	
	Distance Between Centers	mm	750/1000	1000-2000	1000-4000	1500-8000	1500-5000	
	Max. Machining Diameter	mm	Φ400	Φ500	Φ800	Φ1250	Φ1600	
	Bed frame guide rail width	mm	360	400	600	800	1100	
	Diameter of the chuck	mm	Φ200	Φ250	Φ630	Φ1000	Φ1250	

Horizontal CNC Slant Lathe

SF-TCK Series

- Swing over bed Φ450-Φ1000 mm
- Maximum Cutting Length 500-3000 mm



		Item	Unit	SF-TCK50	SF-TCK56	SF-TCK70	SF-TCK80	SF-TCK600S	SF-TCK6050	SF-TCK6350B
Processing Range	Swing over bed	mm	Φ500	Φ560	Φ720	Φ850	Φ600	Φ560	Φ630	
	Swing over cross slide	mm	Φ300	Φ330	Φ420	Φ550	Φ380	Φ380	Φ370	
	Maximum Cutting Length	mm	500	500	1000	1500	500	550	500	
	Max. Machining Diameter	mm	Φ360	Φ350	Φ500	Φ750	Φ550	Φ500	Φ480	

Vertical CNC lathe

SF-VTC Series

- Swing over bed Φ650-Φ1250 mm
- Maximum Cutting Height 500-1000 mm



		Item	Unit	SF-VTC50	SF-VTC60	SF-VTC80	SF-VTC80A	SF-VTC100A	SF-VTC100
Processing Range	Swing over bed	mm	Φ650	Φ650	Φ850	Φ1000	Φ1250	Φ1100	
	Max Cutting Height	mm	500	600	850	850	1000	850	
	Max.Machining Diameter	mm	Φ500	Φ600	Φ800	Φ800	Φ1000	Φ1000	

Vertical Machining Center

SF-VL Series

- Table Size 800*300-2000*900 mm
- Spindle Taper Hole: BT40 BT50



Model			SF-VL640	SF-VL855	SF-VL1160	SF-VL1370	SF-VL1690	SF-VL1890
Item	Specifications	Unit						
Travel	X/Y/Z axis	mm	600/360/450	800/550/550	1100/600/600	1300/700/700	1600/900/700	1800/900/600
Spindle	Spindle Speed	rpm	8000	8000	8000	8000	6000	6000
	Taper Hole		BT40	BT40	BT40	BT40	BT50	BT50
Worktable	Size	mm	800*300	1000*550	1200*600	1400*700	1600*800	2000*900
	Maximum Load	kg	300	600	800	1000	1500	1600

Horizontal Machining Center

SF-HD Series

- Table Size 500*500-1250*1250 mm
- Spindle Taper Hole: BT40 BT50

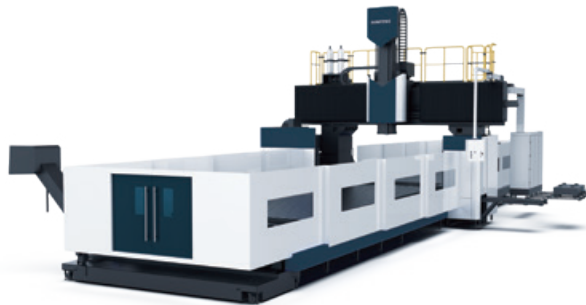


Model			SF-H50S	SF-HD63	SF-HD80	SF-HD100	SF-HD125
Item	Specifications	Unit					
Travel	X/Y/Z axis	mm	800/600/600	1050/750/900	1600/900/900	1600/1000/1000	2400/1600/1600
Spindle	Spindle Speed	rpm	6000	6000	5300(1:1.5)	6000	6000
	Taper Hole		BT50	BT50	BT50	BT50	BT50
Worktable	Size	mm	500*600	630*700	800*800	1000*1000	1250*1250
	Maximum Load	kg	1000	1000	2000	4000	6000

Gantry Machining Center

SF-DT Series

- Table Size 1050-12000 mm
- Spindle Taper Hole: BT40 BT50

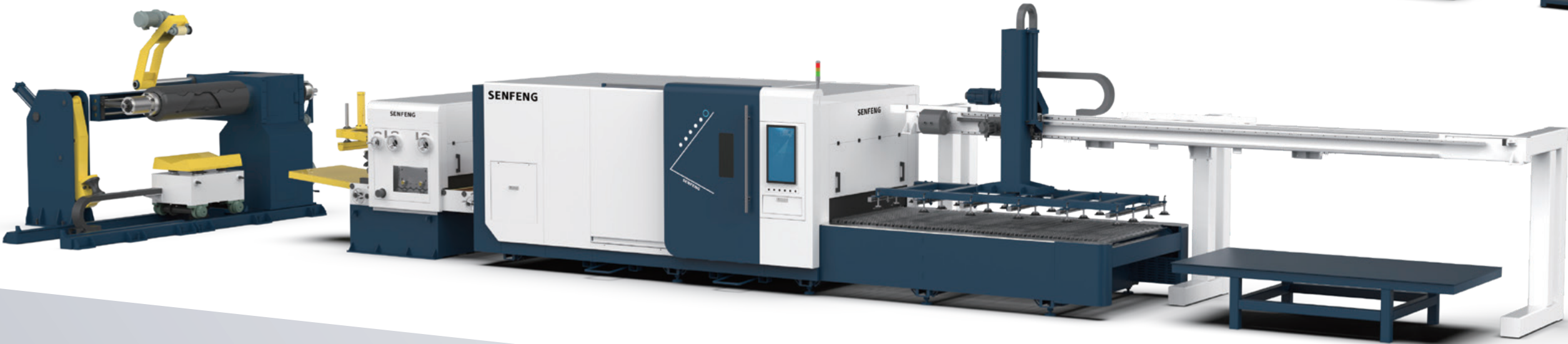
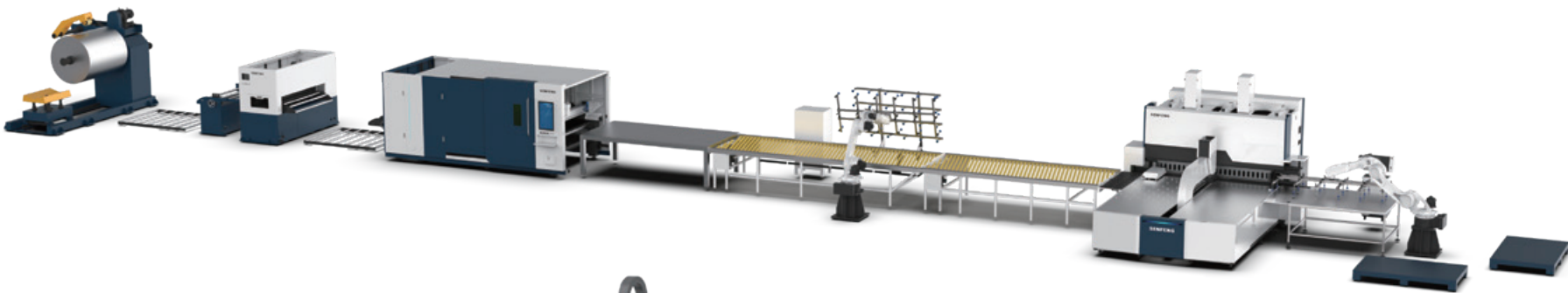


Model			SF-DT1613	SF-DT2220	SF-DT3220	SF-DT4225	SF-DT6237
Item	Specifications	Unit					
Travel	X/Y/Z axis	mm	1600/1300/700	2200/2200/1000	3200/2200/1000	4200/2700/1500	6200/4200/1200
Spindle	Spindle Speed	rpm	6000	6000	6000	6000	4500
	Taper Hole		BT50	BT50	BT50	BT50	BT50
Worktable	Size	mm	1600*1050	1700*2000	1700*3000	4000*2000	6000*2600
	Maximum Load	kg	2000	5000	10000	15000	25000

One-stop Automatic Solutions for Sheet and Tube Processing

A Production Line
Turns Raw Material to End-products

Coil-straighten; Laser cutting; Panel bending; Laser welding; Diverse optional modules



Decoil

Coil-straighten

Laser Cutting

Transfer Arm Panel Bending

Laser Welding



One-stop Automatic Solutions for Sheet and Tube Processing

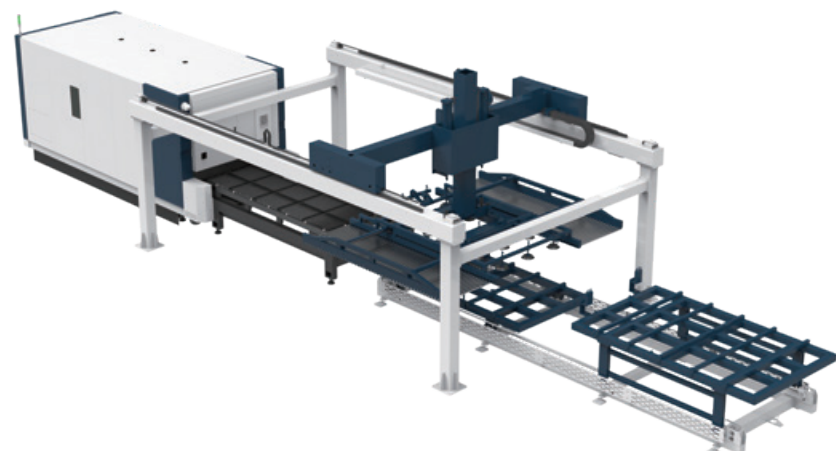
Automatic Laser Cutting Production Line

- Realizing unmanned continuous operation
- Can be customized according to specific workshop processing needs



Full-automatic Laser Loading & Unloading and Cutting Unit

The laser processing automation unit adopts the truss manipulator to automatically grab and unload materials, replacing the traditional manual plate loading and finished material picking. Laser cutting machine feeding manipulator compact and reasonable structure, stable and reliable action, can be widely used in all kinds of cutting material handling operations. Research and design of the truss type laser cutting machine loading and unloading manipulator in safety protection, work efficiency and other aspects to achieve higher requirements.



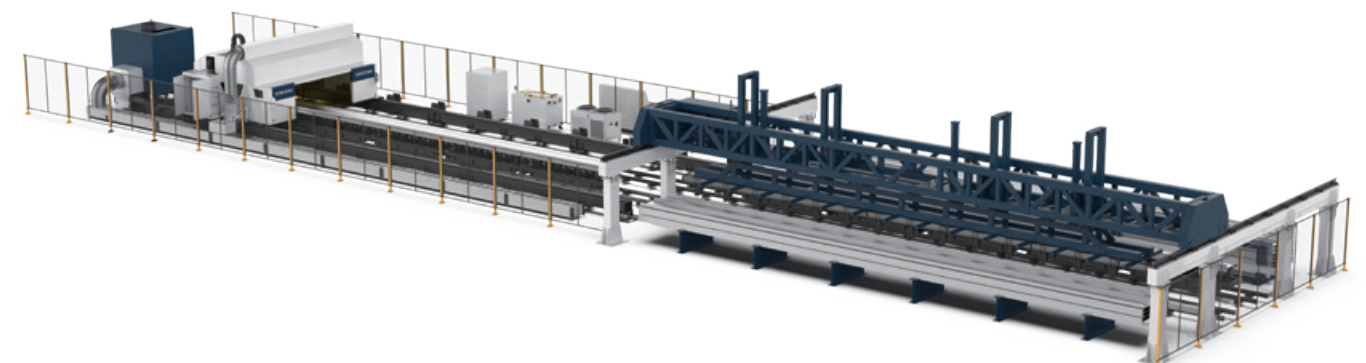
Automated Tube Storage & Cutting Solution

By centrally managing tubes with an automated storage system, a single solution serves two laser tube cutting machines, enabling automated storage, intelligent scheduling, and stable loading. This reduces manual intervention, improves machine utilization, and supports efficient, continuous tube cutting operations.



Fish-belly Beam and Side Beam Laser Cutting Workstation

It is composed of profile steel laser cutting machine, magnetic loading & unloading system and exchange worktables, or may equip with safety fence, light curtain, door and other accessories to cut 15500mm long, 40mm thick profile steel at the laser power of 20kW.



Certifications

We have passed authoritative certifications like CE (TÜV), FDA, ETL, SGS and RoHS, which means that our machines comply with both European and American standards.





10 Minutes Quick Response

24/7 available for your call.
Professional technical engineers reply with a solution within 10 minutes after submitting for repair.



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.



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.