

# SENFENG

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

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Note: The pictures and parameters in the album are for reference only, and the actual product shall prevail. Printed in May 2025





# About SENFENG

Provide Global Customers with Metal Forming Automation Solutions

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 9 service centers in USA, Germany, UAE, Pakistan, Japan, Jordan, India and Vietnam.

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.





# 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

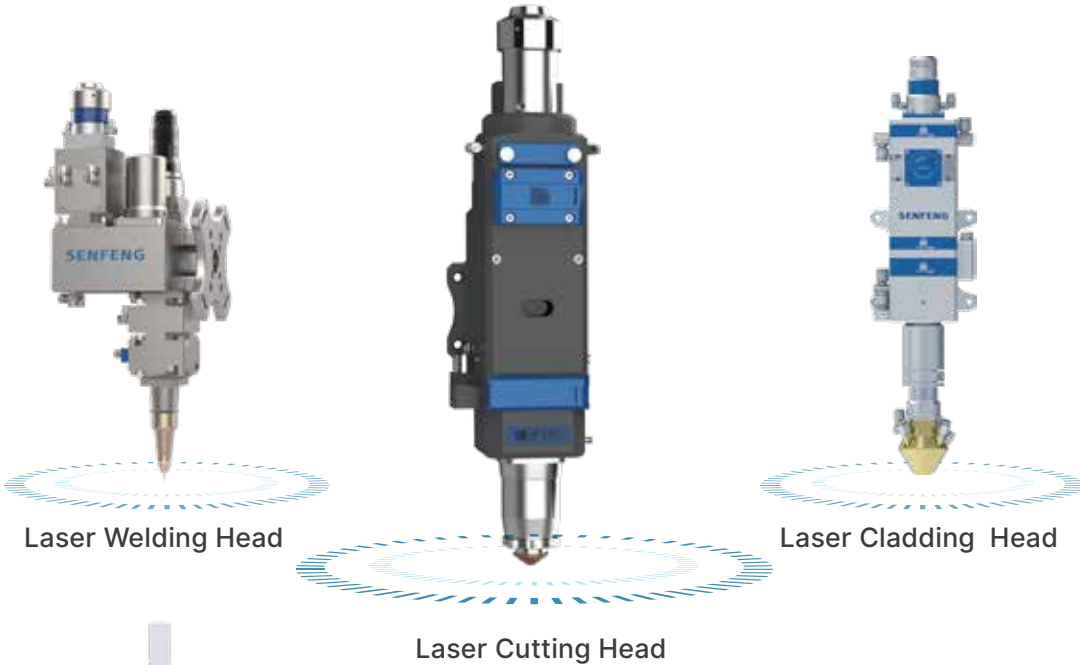
### Lightning-fast Cutting

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                     | 6-60kW  |  |

## Ultra-high-power Sheet Laser Cutting Machine

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



| Model                           | SF4020H/SF6025H/SF8025H/SF12025H                 |  |
|---------------------------------|--|--|
| Working area                    | 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                     | 12-60kW  |  |

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

## Single-platform Sheet Laser Cutting Machine

- High cost performance
- Further upgrades in configurations

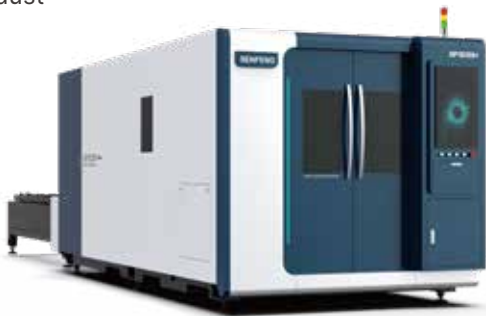
| Model                           | SF3015N     |
|---------------------------------|-------------|
| Working area                    | 3050*1530mm |
| X/Y-axis positioning accuracy   | ±0.05mm     |
| X/Y-axis repositioning accuracy | ±0.02mm     |
| Max speed                       | 100m/min    |
|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



## Cost-effective Sheet Laser Cutting Machine

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

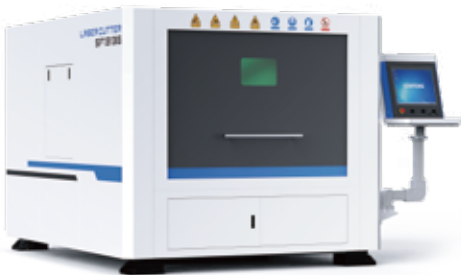
| Model                           | SF3015H     |
|---------------------------------|-------------|
| Working area                    | 3050*1530mm |
| X/Y-axis positioning accuracy   | ±0.05mm     |
| X/Y-axis repositioning accuracy | ±0.02mm     |
| Max speed                       | 130m/min    |
| Laser power                     | 1.5-12kW    |



## Compact-size Sheet Laser Cutting Machine

- Protective chamber available
- Single push-pull platform

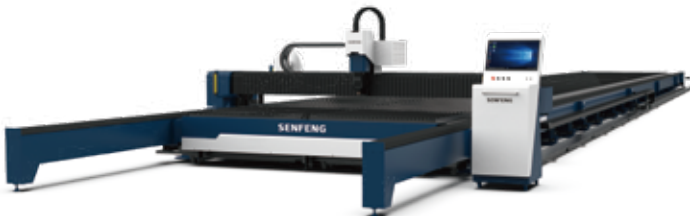
| Model                           | SF1313G     |
|---------------------------------|-------------|
| Working area                    | 1300*1300mm |
| X/Y-axis positioning accuracy   | ±0.05mm     |
| X/Y-axis repositioning accuracy | ±0.02mm     |
| Max speed                       | 80m/min     |
| Laser power                     | 1.5-3kW     |



## Ultra-large-format Sheet Laser Cutting Machine

- Special ground rack
- 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   | ±0.1/10000mm  |
| X/Y-axis repositioning accuracy | ±0.05mm   |
| Max speed                       | 100m/min  |
| Laser power                     | 6-80kW  |



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

# 3D Laser Cutting Series

## 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             |
| Robot                         | FANUC-M-20iB               |
| Number of control axle        | 6 (J1/J2/J3/J4/J5/J6)      |
| Laser power                   | 1.5kW~3kW                  |

# 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 sheet | 6000mm  |
| Range of tube size  | 20~220mm  |
| Max speed           | 130m/min  |
| Laser power         | 1.5-6kW   |

## 3D five-axis Cutting Machine

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

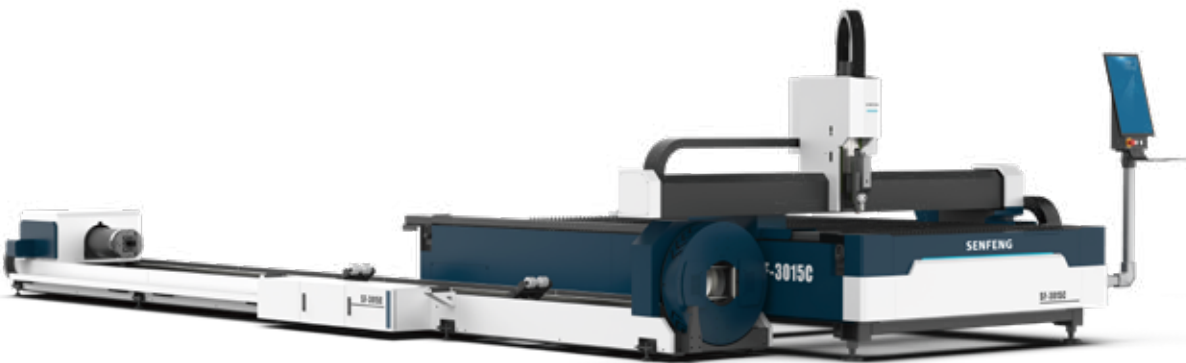


| Model  | SF3015TD    |
|--|-------------|
| Laser power                                  | 3kW         |
| Stroke (Length*width)                        | 3000*1500mm |
| Top (horizontal) machining height            | 0-700mm     |
| A-axis rotation angle                        | ±135°       |
| C-axis rotation angle                        | 360°*N      |
| A/C-axis unidirectional positioning accuracy | 30 Arc Sec  |
| A/C-axis repeated positioning accuracy       | 7 Arc Sec   |

| Model  | SF3020MF    |
|--|-------------|
| Laser power                                  | 3kW         |
| Stroke (Length*width)                        | 3000*2000mm |
| Top (horizontal) machining height            | 0-700mm     |
| A-axis rotation angle                        | ±135°       |
| C-axis rotation angle                        | 360°*N      |
| A/C-axis unidirectional positioning accuracy | 30 Arc Sec  |
| A/C-axis repeated positioning accuracy       | 7 Arc Sec   |

## 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 sheet | 6000mm  |
| Range of tube size  | 20~220mm  |
| Max speed           | 100m/min  |
| Laser power         | 1.5-6kW   |



# Tube Laser Cutting Series

## Two-chuck Tube Laser Cutting Machine

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



| Model                        | SF6012T/SF6016T/SF6020T/SF6024T/SF6035T |
|------------------------------|---|
| Max length of tube           | 6000mm                                  |
| Scope of tube size           | Φ8-360mm □8*8-360*360mm                 |
| Max rotating speed of chucks | 60-180r/min                             |
| Max weight of tube           | 120-500kg                               |

## Three-chuck Zero-tailing Laser Cutting Machine

- 0 tailing because of three chucks
- Unloading device available



| Model                        | SF6024NT/SF6035NT/SF9024NT/SF9035NT/SF12035NT |
|------------------------------|---|
| Max length of tube           | 6000-12000mm                                  |
| Scope of tube size           | Φ20~360mm □20*20~360*360mm                    |
| Max rotating speed of chucks | 60-100r/min                                   |
| Max weight of tube           | 260-1000kg                                    |

## High-speed High-precision Tube Laser Cutting Machine

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



| Model                        | SF3008PLUS/SF6009PLUS/SF6012PLUS/SF6016PLUS/SF6024PLUS |
|------------------------------|--|
| Max length of tube           | 6400-6700mm  |
| Scope of tube size           | Φ20~230mm □20*20~230*230mm                             |
| Max rotating speed of chucks | 150-260r/min   |
| Max weight of tube           | 60-260kg   |

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 automatic loading & unloading devices
- Fit to cut large, heavy and long tube



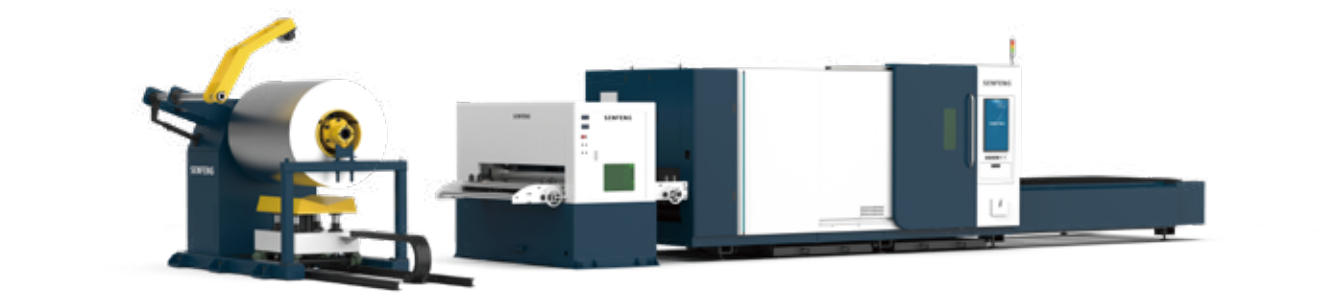
| Model                        | SF9035ST/SF12035ST/SF12050ST |
|------------------------------|------------------------------|
| Max length of tube           | 9000-12000mm                 |
| Scope of tube size           | Φ20~500mm □20*20~500*500mm   |
| Max rotating speed of chucks | 40-60r/min                   |
| Max weight of tube           | 1200-2000kg                  |

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≤Φ1400mm |
| Maximum weight of coil              | 10T/15T              |
| Sheet flatness                      | ±1.5mm/m²            |
| Maximum speed of sheet feeding      | 0~10m/min            |
| Number of working rollers           | 9                    |

## 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≤Φ1400mm |
| Maximum weight of coil              | 10T/15T              |
| Sheet flatness                      | ±1.5mm/m²            |
| Maximum speed of sheet feeding      | 0~10m/min            |
| Number of working rollers           | 19                   |

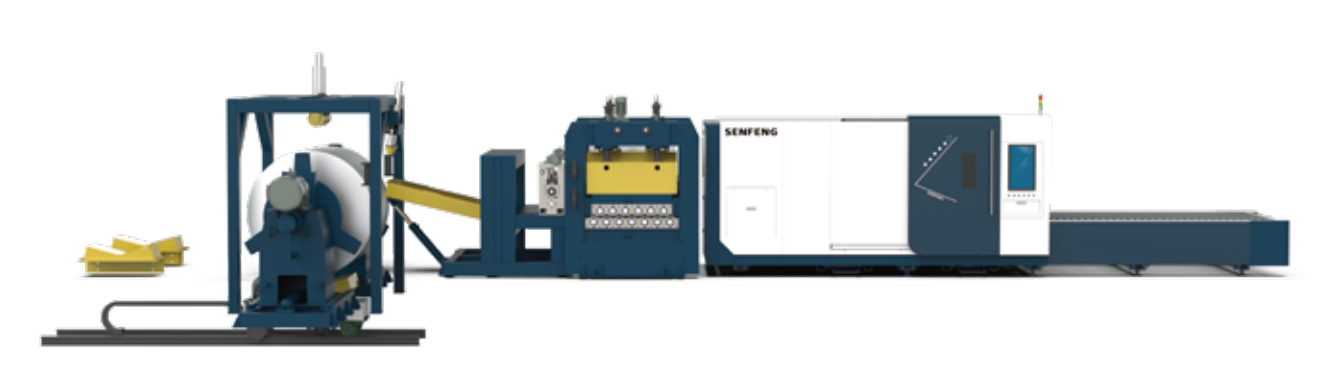
## Affordable Coil-fed Laser Cutting Machine



| Model                               | SF15015C             |
|-------------------------------------|----------------------|
| Coil thickness                      | 0.8~1.2mm            |
| Sheet width                         | 800~1500mm           |
| Inside and outside diameter of coil | Φ508mm/610mm≤Φ1400mm |
| Maximum weight of coil              | 3T/8T/10T/15T        |
| Sheet flatness                      | ±2mm/m²              |
| Maximum speed of sheet feeding      | 0~10m/min            |
| Number of working rollers           | 11                   |

## Heavy-load Coil-fed Laser Cutting Machine

- Max.decoil thickness 12mm
- Max coil weight: 30T



| Model                               | SF2012CH             |
|-------------------------------------|----------------------|
| Coil thickness                      | 4.0~12.0mm           |
| Sheet width                         | 600~2000mm           |
| Inside and outside diameter of coil | Φ610mm/762mm≤Φ2000mm |
| Maximum weight of coil              | 30T                  |
| Sheet flatness                      | ±2mm/m²              |
| Maximum speed of sheet feeding      | 0~10m/min            |
| Number of working rollers           | 11                   |



Laser Welding Series

Portable Handheld Laser Welding Machine

- Save space
- Easy to operate
- Cooling mode: air cooling

| Model                 | SF3S/SF4S/SF5S   |
|-----------------------|--|
| Wire feeding diameter | 0.8-1.6mm  |
| Welding thickness     | Carbon steel: 0.5~5mm; Stainless steel: 0.5~5mm; Aluminum: 0.5~4mm |
| Working mode          | Continuous   |
| Size (W*H*D)          | 670mm*335mm*590mm  |
| Cooling mode          | Air cooling  |



Handheld Fiber Laser Welding Machine

- Save space
- Easy to operate
- Cooling mode: water cooling

| Model         | SF1500HWM/SF2000HWM/SF3000HWM                                      |
|---------------|--|
| Laser power   | 1.5kW/2kW/3kW  |
| Welding range | Carbon steel: 0.5~7mm; Stainless steel: 0.5~7mm; Aluminum: 0.5~6mm |
| Welding speed | ≤120mm/s   |
| Cooling mode  | Water cooling  |



Robotic and Handheld Laser Welding Machine

- Double function: handheld welding and robotic welding

| Model         | SF1500HWR/SF2000HWR/SF3000HWR                                      |
|---------------|--|
| Laser power   | 1.5kW/2kW/3kW  |
| Robot         | CRP-RH18-20  |
| Welding range | Carbon steel: 0.5~7mm; Stainless steel: 0.5~7mm; Aluminum: 0.5~6mm |
| Welding speed | ≤180mm/s   |
| Welding head  | Handheld, facula-adjustable welding head                           |



3D Robot Fiber Laser Welding Machine

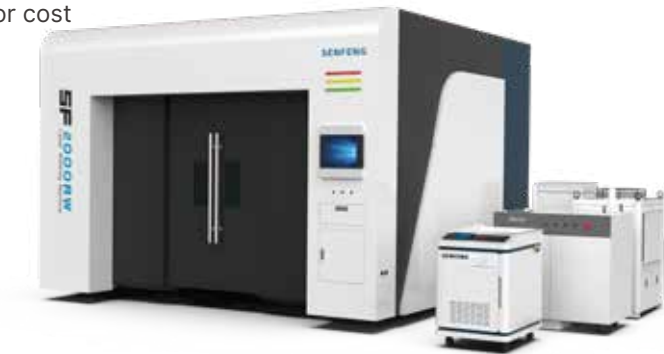
| Model             | SF1500RW/SF2000RW/SF3000RW/SF6000RW/SF12000RW/SF20000RW |
|-------------------|---|
| Laser power       | 1.5kW/2kW/3kW/6kW/12kW/20kW                             |
| Robot             | FANUC-M-20iD/25   |
| Welding thickness | 0.5~12mm  |
| Welding head      | Wobbler welding head                                    |



Gantry Robot Welding Machine

- Weld various special-shaped metal
- High automation, save labor cost

| Model            | SF1500RW/SF2000RW/SF3000RW/SF6000RW/SF12000RW/SF20000RW |
|------------------|---|
| Laser power      | 1.5kW-20kW  |
| Robot            | FANUC-M-20iD/25   |
| Reachable radius | 1853mm  |



Laser Cleaning Series

Pulse Fiber Laser Cleaning Machine

- Intelligent metal surface cleaning method

| Model                       | SF200HC/SF300HC/SF500HC/SF1000HC |
|-----------------------------|----------------------------------|
| Laser power                 | 0.2kW/0.3kW/0.5kW/1kW            |
| Cleaning width              | ≤200mm                           |
| Maximum single pulse energy | 5MJ/15MJ/50MJ/50MJ               |
| Type of cooling             | Air-/water-cooled                |



SF200HC/SF300HC (air-cooled)    SF500HC/SF1000HC (water-cooled)

Continuous Fiber Laser Cleaning Machine

- Intelligent metal surface cleaning method

| Model             | SF1500HC/SF2000HC/SF3000HC                     |
|-------------------|--|
| Laser power       | 1.5kW/2kW/3kW                                  |
| Cleaning width    | Single-swing mode≤300mm,Dual-swing mode≤800mm  |
| Applied materials | Oil removal, rust removal, paint removal, etc. |
| Fiber length      | ≤2000W 10m,≤3000W 15m                          |



Robotic and Handheld Laser Cleaning Machine

- Double function: handheld cleaning and robotic cleaning

| Model             | SF1500HCR/SF2000HCR/SF3000HCR                  |
|-------------------|--|
| Laser power       | 1.5kW-3kW                                      |
| Applied materials | Oil removal, rust removal, paint removal, etc. |
| Robot load        | 20kg   |
| Robot arm span    | 1730mm   |
| Laser wave length | 1080±10nm                                      |
| Dimensions        | 3000*2500*2000mm                               |



Metal Sheet Bending Machine

CNC Press Brake

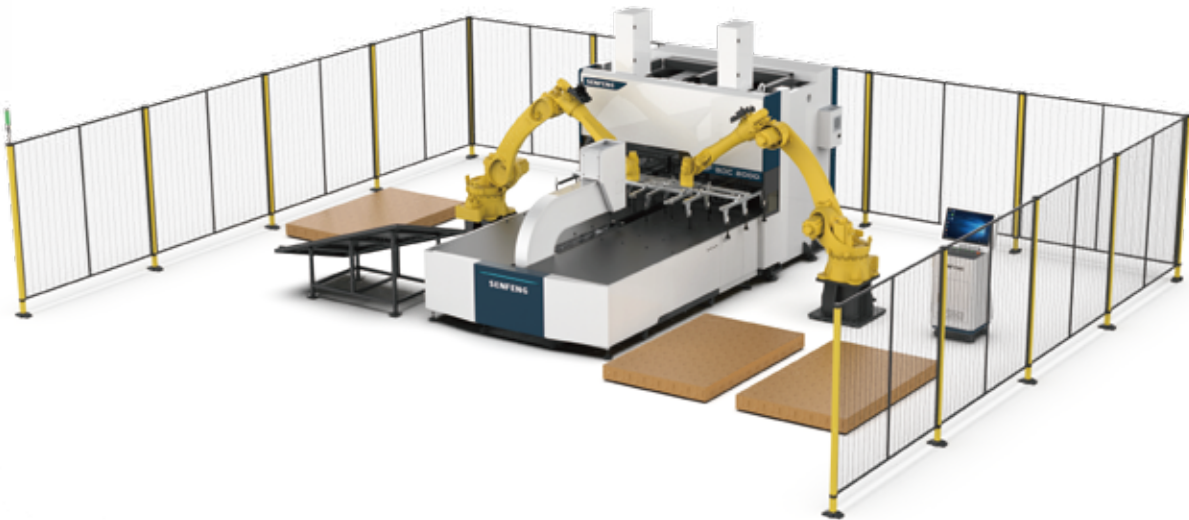
- Various worktable sizes optional
- Easy to achieve thick plate bending



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

Panel Bender

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



| Model                  | BDC-1500/BDC-2000/BDC-2500 |  |  |
|------------------------|----------------------------|--|--|
| 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                            |
| Machine length     | 3m/6m/9m/12m/15m                    |
| Robot              | KUKA KR20 R1810-2                   |
| Biaxial positioner | Swing 120-degree; Rotate 360-degree |
| Cladding thickness | 0.1~1.5mm                           |

## Mobile Robot Laser Cladding Machine

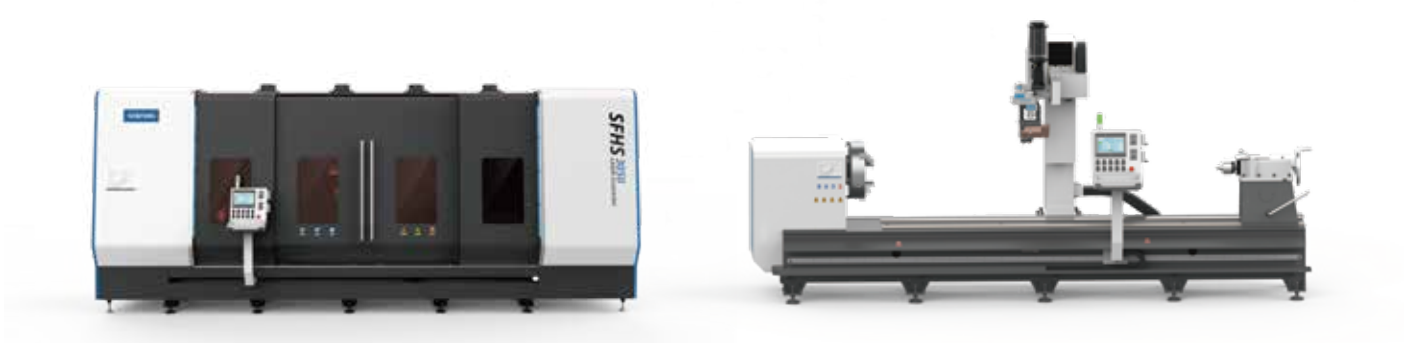
- Smaller overall size
- More precise clad placement
- Inner hole laser cladding optional



| Model                          | SFMR01   | SFMR02   |
|--------------------------------|--|--|
| Laser power                    | 6kW/12kW   | 6kW/12kW   |
| Industrial robot model         | KUKA KR20 R1810-2  | KUKA KR20 R1810-2  |
| Robot arm range                | 1831mm   | 1831mm   |
| Cladding thickness             | 0.1~1.5mm  | 0.1~1.5mm  |
| Cladding layer characteristics | restoration/wear-resisting/corrosion-resisting and so on | restoration/wear-resisting/corrosion-resisting and so on |

## Ultra-high Speed Laser Cladding Machine

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



| Model                     | SFHS3050/SFH3050 |
|---------------------------|------------------|
| Laser power               | 6kW/12kW         |
| Machine length            | 3m               |
| Maximum rotation diameter | 800mm            |
| Rotation rate             | 200r/min         |
| Cladding thickness        | 0.1~1.5mm        |

## Multi-functional Inner & Outer Wall Laser Cladding Machine

- Closed structural design
- Equipped with integrated automatic lubrication system



| Model                     | SFCS3050 |
|---------------------------|----------|
| Laser power               | 6kW/12kW |
| Machine length            | 3m       |
| Maximum rotation diameter | 1200mm   |
| Maximum workpiece length  | 3000mm   |
| Maximum load              | 2t       |

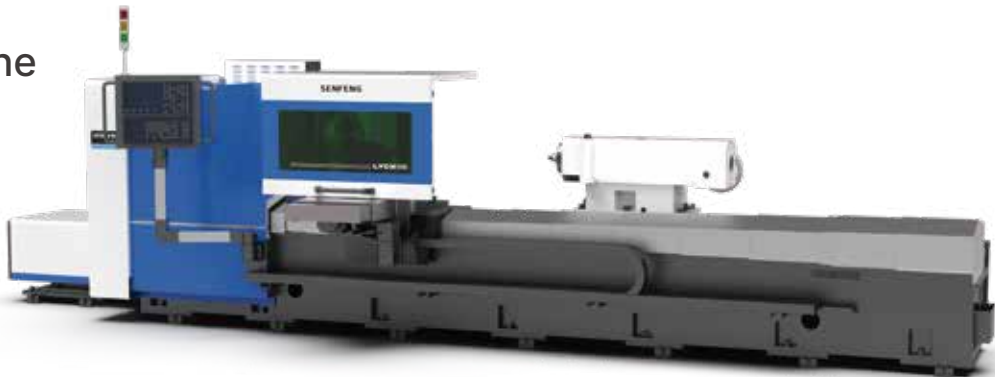
CNC Milling Machine

Vertical Machining Center Series



| Item                   | Detail  | Unit   | SF-VL855       | SF-VL1160      | SF-VL1370      | SF-VL1580      | SF-VL1690      |
|------------------------|---|--------|----------------|----------------|----------------|----------------|----------------|
| Worktable              | Worktable Dimension                                     | mm     | 1000×550       | 1200×600       | 1400×700       | 1600×800       | 1600×800       |
|                        | Maximum Load  | kg     | 500            | 800            | 800            | 1500           | 1500           |
|                        | T-Slot Size   | mm     | 5-18-90        | 5-18-100       | 5-18-130       | 7-22-110       | 7-22-110       |
| Processing Range       | 3-Axis Travel   | mm     | 800×550×550    | 1100×600×600   | 1300×700×700   | 1500×800×700   | 1600×900×700   |
|                        | Distance From Spindle Nose To Table Surface             | mm     | 120-670        | 120-720        | 120-870        | 160-860        | 150-850        |
|                        | Distance From Spindle Center To Z-Axis Guideway Surface | mm     | 590            | 650            | 722            | 855            | 910            |
| Spindle                | Taper Hole (7:24)                                       | /      | BT40 φ150      | BT 40 φ150     | BT40 φ150      | BT 50 φ 155    | BT50 φ190      |
|                        | Speed Range   | r/min  | 8000           | 8000           | 8000           | 6000           | 6000           |
|                        | Spinde Motor Power                                      | kW     | 7.5            | 11             | 15             | 15             | 11             |
| Feed                   | 3-AxisRapid Speed                                       | m/min  | 32/32/24       | 24/24/18       | 24/24/18       | 24/24/24       | 20/20/12       |
|                        | Feed Speed  | mm/min | 1-10000        | 1-10000        | 1-10000        | 1-10000        | 1-10000        |
| Tool Changer           | Type  | /      | Disc           | Disc           | Disc           | Disc           | Disc           |
|                        | Capacity  | /      | 24T            | 24T            | 24T            | 24T            | 24T            |
|                        | Tool Change Time  | s      | 2.5            | 2.5            | 2.5            | 2.5            | 2.5            |
| Positioning Accuracy   | X/Y/Z Axis Positioning Accuracy                         | mm     | 0.008          | 0.008          | 0.008          | 0.008          | 0.008          |
|                        | X/Y/Z Axis Repeated Positioning Accuracy                | /      | 0.005          | 0.005          | 0.005          | 0.005          | 0.005          |
| Dimension (L×W×H)      |   | mm     | 2600×2380×2400 | 3100×2500×2800 | 3550×2700×2600 | 4300×3200×2800 | 4200×3262×3672 |
| Machine Weight Approx. |   | kg     | 5300           | 6500           | 8000           | 10000          | 12000          |

CNC Mill Roll Lathe



| Item        | Detail                                  | Unit  | Specification   |
|-------------|---|-------|-----------------|
| Performance | Maximum steady turning diameter         | mm    | Φ630            |
|             | Maximum turning length                  | mm    | 3000            |
|             | Distance between two tops               | mm    | 3300            |
|             | Clamp-Top device(load bearing)          | Ton   | 5               |
| Spindle     | Spindle speed range                     | r/min | 4-285           |
|             | Spindle maximum torque                  | N·m   | 3700            |
| Precision   | Positioning accuracy(ISO230-2)          | mm    | X:0.016 Z:0.05  |
|             | Repeated positioning accuracy(ISO230-2) | mm    | X:0.006 Z:0.013 |
| Others      | Machine tool area (length*width)        | mm    | 7430*2490       |
|             | Net weight of machine tool              | KG    | 16000           |
|             | CNC system (other systems are optional) | -     | SINUMERIK-828D  |

Horizontal CNC Lathe



| Item        | Detail                 | Unit | SFE200            |
|-------------|------------------------|------|-------------------|
| Performance | Swing Over Bed         | mm   | Φ655              |
|             | Swing Over Carriage    | mm   | Φ560              |
|             | Max.machining diameter | mm   | Φ380              |
|             | Max.turning lengt      | mm   | 530               |
| Spindle     | Spindle speed          | rpm  | 4000              |
|             | Power                  | kw   | 15/11             |
| Tool        | Tool Magazine Capacity | -    | 12                |
|             | Tool Size              | mm   | □25 / Φ40         |
| Feed        | X-aixs                 | mm   | 210               |
|             | Z-aixs                 | mm   | 530               |
| Accuracy    | Position Accuracy      | mm   | ±0.007            |
|             | Repeatability          | mm   | ±0.003            |
| Other       | Chuck                  | Inch | 8                 |
|             | System                 | -    | FANUC Oi-TF,10.4" |

Gantry Machining Center Series



| Model    | Table Size   | X-aix Travel | Y-aix Travel    | Z-aix Travel    | Gantry Span     | Motor Power | Rapid Feedrate |
|----------|--------------|--------------|-----------------|-----------------|-----------------|-------------|----------------|
| SFF3840  | 3000*4000mm  | 4200mm       | 4200mm (4600mm) | 1000mm (1250mm) | 3800mm (4200mm) | 22/26       | 12/12/10m/min  |
| SFF3860  | 3000*6000mm  | 6200mm       | 4200mm (4600mm) | 1000mm (1250mm) | 3800mm (4200mm) | 22/26       | 12/12/10m/min  |
| SFF3880  | 3000*8000mm  | 8500mm       | 4200mm (4600mm) | 1000mm (1250mm) | 3800mm (4200mm) | 22/26       | 10/12/10m/min  |
| SFF38100 | 3000*10000mm | 10500mm      | 4200mm (4600mm) | 1000mm (1250mm) | 3800mm (4200mm) | 22/26       | 8/12/10m/min   |
| SFF38120 | 3000*12000mm | 12500mm      | 4200mm (4600mm) | 1000mm (1250mm) | 3800mm (4200mm) | 22/26       | 8/12/10m/min   |
| SFF38140 | 3000*14000mm | 14500mm      | 4200mm (4600mm) | 1000mm (1250mm) | 3800mm (4200mm) | 22/26       | 8/12/10m/min   |



# A Production Line Turns Raw Material to End-products

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



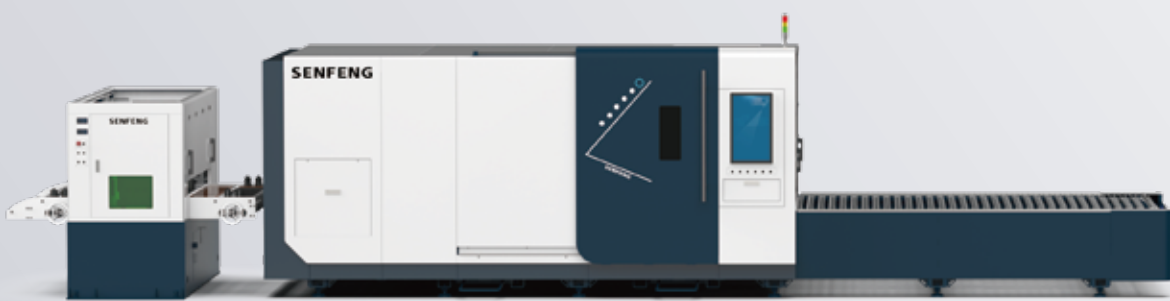
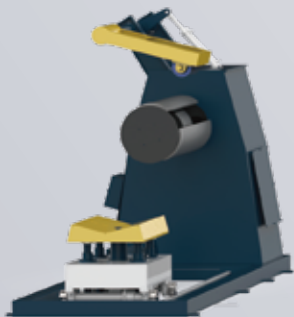
Decoil

Coil-straighten

Laser Cutting

Transfer Arm Panel Bending

Laser Welding



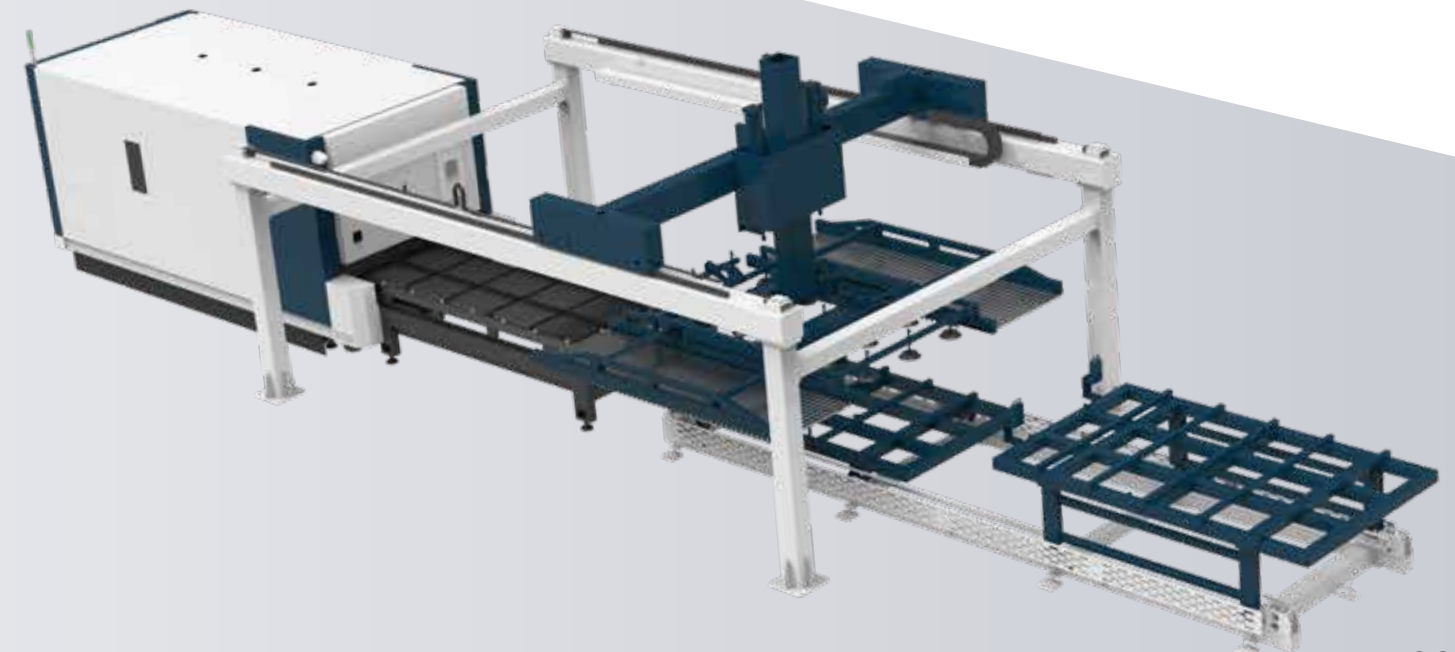


## Automatic Laser Cutting Production Line

- 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.





# Certifications

We have passed CE from TÜV, ROHS, FDA, ETL certificates, which is in line with 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.