

# SENFENG

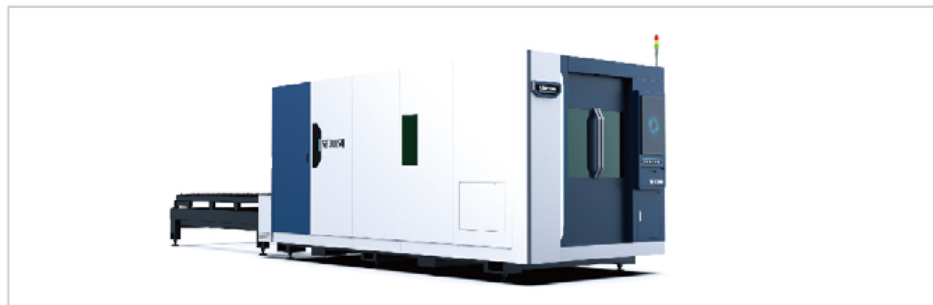
## 4 A Flagship Model at 10kW+ Laser Power

The 4<sup>th</sup> Generation

3015H Series Ultra-high-power Sheet Laser Cutting Machine 20KW



# 3015H *Ultra-high-power Sheet Laser Cutting Machine*



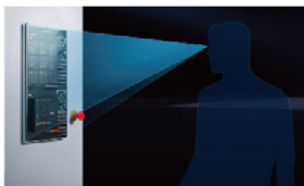
## Fit to Cut Medium and Thick Sheets

Lightning-fast piercing, multi-stage piercing and pierce-through deslagging are special for thick sheets. After pierce through, cutting continues instantly under real-time monitoring. So, both cutting speed and stability are ensured at high power.



## Core Components of Independent Research

We have launched a highly matched suit below featuring fast response and high interconnection, just in order to offer favorable effects.



**01 SF-Mimir LS intelligent control system**  
Internally installed with SF-Nest automatic nesting software



**02 SF-PowerPlus laser generator**  
Small in size, maintenance-free, high electro-optical conversion rate



**03 SENFENG laser cutting head**  
Autofocus, all-round water cooling, tightly dust-proof

## Fast Removal of Smoke Dust

Its intelligent spiral negative-pressure dust removal system can open or close air vents based on cutting position. In combination with bottom U-shaped sealing structure, smoke-free effects will certainly come true.

**01** Intelligent negative-pressure dust removal

**02** Remove smoke, dust and heat



# Heavy-duty Heat-isolated Hollow Machine Tool

To prevent heat transfer and avoid its impact on cutting precision, the machine tool is designed as internally hollow, therefore, it is hard to deform after long work.



Stress relief annealing

×2

Secondary aging treatment



Precision machining by ultra-large planomiller



## Content-rich Cutting Craft Library

Our hi-end intelligent bus-based system is outfitted with various cutting crafts to support its demands to cut sheets of different thicknesses and types.



Lightning-fast piercing



Perfect finish cut



Disc centering



Restart from breakpoint  
after power failure



Pierce-through deslagging



Visual oddments cutting



Leapfrog cutting



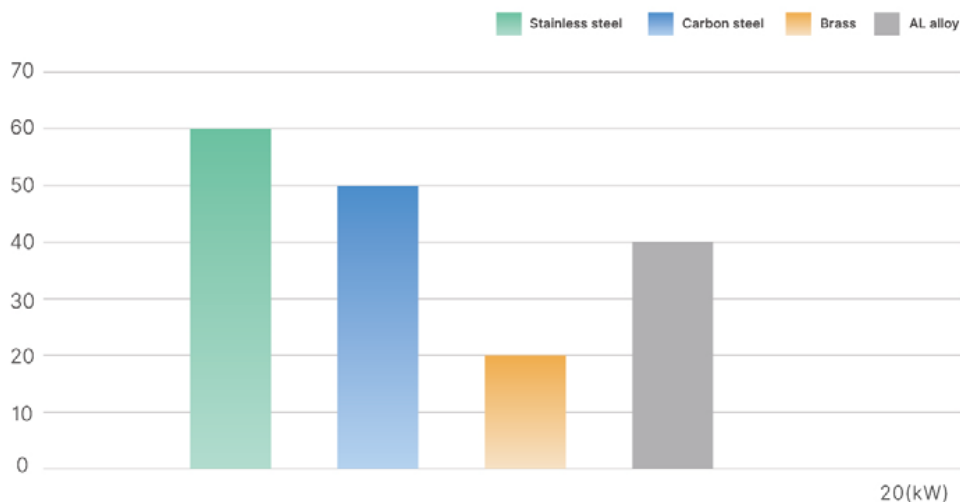
Co-edge cutting



Traceless micro-joint

# Cutting Ability

This ultra-high-power model is ideally fit to cut medium and thick sheets. However, its specific cutting thickness usually varies from different metals of different types.



# Technical Parameters

Main Parameters	3015H
Laser Power (kW)	20
Working Area (L*W, mm)	3050*1530
X/Y-axis Positioning Accuracy (mm)	±0.05
X/Y-axis Repositioning Accuracy (mm)	±0.02
Max No-load Speed (m/min)	200
Max Acceleration (G)	2.8
Max Load of Platforms (kg)	2000
Overall Dimensions (L*W*H, mm)	8560*2813*2513
Power Supply	Three-phase 380V, 50Hz/60Hz

# Lean Production

## Technical Research & Development

SENFENG has established dozens of laboratories to develop our own intelligent CNC systems, laser cutting, welding and cladding heads, as well as various laser generators.

## High-quality Production

Our production workshops perform the principle of standardization, general utilization and modularization. Throughout the whole process of production, quality control standards are strictly observed to deliver your machines in time with zero defect.

## Solutions Customization

Customizing your laser machines is permitted according to practical demands. This service can solve well-targeted problems and raise market share for all users.

## Local-based Service

We have founded subsidiaries or service agencies in the USA, Germany, UAE, Pakistan, India, Vietnam and Jordan, spreading its service to over 100 countries and regions.

# International Certificates of Authority



# Senfeng-style Service

## 1. 7\*24\*365 Style Service

Online and offline service available

## 2. Senfeng Intelligent Cloud System

Overall coordination by self-developed cloud system

## 3. Full-cycle Solutions

Service throughout pre-sales, in-sales and after-sales process

## 4. 24-day Free Operation Training at Most

Training of theory, practice, common faults, knotty faults, operating precautions, etc.

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### Basic Service

- Install new machines for free or offer online guidance
- Dispatch for repair and offer accessories for free within 2-year warranty period
- Relocate your machines at out-of-warranty charging standards

### Free-charged Service



Make well-targeted plans



Free proofing in time



Visit our production bases



Free price quotation

### Special For Big Customers

- Priority in delivery
- 10% off while paying quick-wear parts and labor service
- Exclusive online chat groups
- Repair and maintenance costs relief at fixed quota each year

### Explore More Services

- Further extension of warranty period
- Upgrade hardware and software at odd intervals
- One-stop machine know-how database
- Promise to fix your complains within time limit

# SENFENG

## Provide Global Customers with Metal Forming Automation Solutions

### 20 Years of History

Nearly 1,700 employees in total

### 3 Manufacturing Bases in China

Nearly 180,000m<sup>2</sup> area

### Roughly 20,000 Sets of Gross Sales

Serve 100+ countries and regions

### 7 Oversea Service Agencies

USA, Germany, UAE, Pakistan, India, Vietnam, Jordan

### 200<sup>+</sup> Oversea Customer Service Agents

24/7/365 after-sales service

## Company Profile

SENFENG, a globe-spanning metal forming manufacturer, is aimed at providing global customers with well-targeted turnkey solutions. Its mission in life is to popularize laser technology throughout the world. From technical research, lean production, quality control to after-sales service, the principle of customer first is always adhered to. We have managed to offer a wealth of durable products featuring cutting-edge technology, high quality and superior performance.

## Practical Application



Automobile manufacturing



Aerospace



Rail transit



Kitchenware and sanitary ware



Medical device



Curtain wall decoration

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Note: The pictures and parameters in the album are for reference only, and the actual product shall prevail. Printed in Oct. 2024