

Company Profile

SENFENG Laser Technology Co., Ltd., founded in 2004 as a globe-spanning metal forming manufacturer, has devoted itself to laser cutting, welding, bending, cleaning, cladding, flexible automation and new energy for years.

During production, all our machines have went through natural aging, heat treatment, shot blasting, powder coating, finish machining, quality inspection and many other professional treatments to keep them work for a long time.

Overseas Service Center



Domestic Service Center



SENFENG LASER USA INC.

📍 US Head Office-2775 E Philadelphia St Ontario, CA 91761
 ☎️ +(1) 562 319 8053 📧 info@senfenglaserusa.com 📧 senfeng@sfcnclaser.com
 🌐 www.senfenglaserusa.com 🌐 www.senfenglaser.com

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

SENFENG

3015H (Gene 4)

30kW

Cutting

Bending Welding
 Cladding Cleaning
 Automation New Energy

Ultra-high Power Sheet Laser Cutting Machine With Automatic Loading & Unloading Devices

Provide Global Customers with Metal Forming Automation Solutions

As a flagship model, thousands of sets have been sold abroad in total. After continuous updates and renewals over years, it enjoys top configurations and always keeps stable at work.



- A best seller at high degree of intelligence
- Top configurations for longer service life
- Very low failure rate from intelligent CNC system
- Automatic loading & unloading with less labor force



Model	3015H (Gene 4)
Laser Power (kW)	30
Working Area (L*W, mm)	3000*1500
X/Y-axis Positioning Accuracy (mm)	±0.05
X/Y-axis repositioning Accuracy (mm)	±0.02
Max No-load Speed (m/min)	150
Max Acceleration (G)	2
Max Load of Platforms (kg)	3000
Overall Dimensions (L*W*H, mm)	8440*2270*2340
Power Supply	Three-phase 380V, 50Hz/60Hz (custom-made)

Cut Medium-thick Sheet

This machine works stably and has good dynamic performance due to hollow machine tool bed and aviation-grade AL beam. With top configurations in both software and hardware, in particular some unique functions, it can deal with various medium-thick sheets rapidly at ultra-high power.

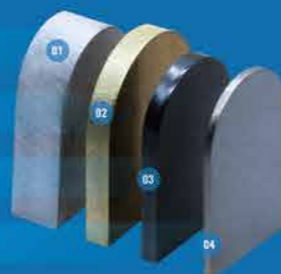


≤50mm stainless steel sheet

≤20mm brass sheet

≤60mm carbon steel sheet

≤40mm AL alloy sheet



Fully-enclosed Structure

With top cover and four-sided protective sheet metals, its cutting area becomes fully enclosed. The bottom intelligent spiral negative-pressure dust removal system can open and close exhaust vents based on actual cutting position. Together with return-type sealing structure, it achieves smoke-free effects.



- Prevent laser radiation
- Avoid smoke diffusion

Intelligent Bus-based CNC System

The hi-end control system is specially developed for 8kW and above laser power. It is featured by rapid, stable data transmission, low failure rate and support of various modular, personalized and automatic solutions as needed.



Various cutting processes

Smart stage-9 piercing, smooth microjoin, smart laseroff, auto recut

Automatic nesting software

Provide multiple typesetting and nesting modes due to its intelligent sorting algorithm

Optional Automatic Loading & Unloading Devices

They consist of truss manipulator, composite vacuum suction cups rack, double-layer exchange trolley, CNC system, vacuum control system and safety protection system, just for the higher efficiency and less labor costs.



Max sheet thickness **10mm**

Max weight of sheet **300kg**

Laser cutting machine

Translational truss
Lifting assembly

Double-layer exchange trolley

Composite manipulator
of suction cups and forks