

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.

Oversea Service Center



SENFENG USA (Los Angeles)



SENFENG USA (Chicago)



SENFENG Germany



SENFENG UAE



SENFENG Pakistan



SENFENG Japan

Domestic Service Center



Global Headquarters



Manufacturing Base (Qinhe)



Manufacturing Base (Lingang Road, Jinan)



SENFENG (Suzhou) New Energy



SENFENG (F.T.Z.) Import & Export Company



SENFENG (Wuhan) Branch

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

SENFENG

N Series

Cutting

Provide Global Customers
with Metal Forming
Automation Solutions

Bending Welding
Cladding Cleaning
Automation New Energy

1.5-6kW

Open-style Single-platform Sheet Laser Cutting Machine

A new technically-improved but affordable model in 2024. Thanks to its open-style structure and small footprint, it has turned into a new choice for customers with limited plant area.



- Cut medium-thin sheet ($\leq 20\text{mm}$)
- Occupy a small area (only 12m^2 at minimum)
- Electro-optical conversion rate $\geq 40\%$
- Easy to load and unload from left, right, rear side



Model	3015N	4015N	4020N	6015N	6020N
Laser Power (kW)	1.5-6	1.5-6	1.5-6	1.5-6	1.5-6
Working Area (L*W, mm)	3050*1530	4050*1530	4050*2030	6050*1530	6050*2030
X/Y-axis Positioning Accuracy (mm)	±0.05	±0.05	±0.05	±0.05	±0.05
X/Y-axis Repositioning Accuracy (mm)	±0.02	±0.02	±0.02	±0.02	±0.02
Max No-load Speed (m/min)	100	100	100	100	100
Max Load of Platform (kg)	1100	1400	1870	2100	2800
Overall Dimensions (L*W*H, mm)	4360*2760*1800	5560*2760*1800	5560*3290*1800	8030*2760*1800	8030*3290*1800
Power Supply	Three-phase 380V, 50Hz/60Hz (custom-made)				

Cut Thin Sheet at Fast Speed

After technical upgrades, it enjoys superior dynamic performance, which is 5 times faster than others because of autofocus cutting head that helps to speed up piercing and lessen superfusion.



SENFENG

1-16mm
stainless steel



1-20mm
carbon steel



1-8mm
AL alloy



1-8mm
brass



Intelligent CNC System

This professional control system is internally installed with many functions, so as to lower failure rate and allow for easy use & maintenance.



Lightning-fast piercing
Pierce at top speed when cutting medium-thin sheet




Circle center
Click one key to locate circle center for higher cutting precision



One-path flycut
Cut into various shapes at rapid speed

Oversea Transport in Batch


Due to packaging upgrade, 8 sets of 3015N can be packaged in 1 40HQ standard container. In spite of beam removal, quick insert structure is adopted to enable do-it-yourself assembly by users.



Rush delivery



Great reduction in freights




Easy to assemble all together

Firm Structure for Longer Life

The machine tool bed is semi-hollow, resulting in less heat deformation. It will keep indeformable and unbroken at high temperature even after long-time use because of going through 7 standard processes like high annealing and aging treatment.

Semi-hollow structure
Small heat-affected area with minimal heat deformation



High-strength AL alloy beam
Much lighter in weight and faster in movement

