

SENFENG



4 A Flagship Model at 10kW+ Laser Power

The 4th 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

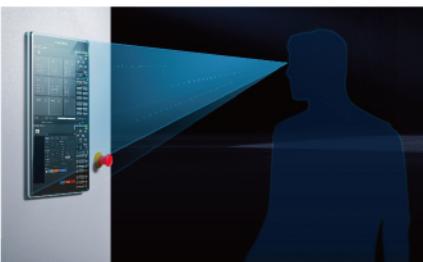
Lightning-fast piercing, multi-stage piercing and pierce-through deslagging are special for thick sheets. After pierce through, cutting continues instantly under real-time monitoring. So, both cutting speed and stability are ensured at high power.

W Laser power **20kW**

Max thickness of metal **60mm**

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



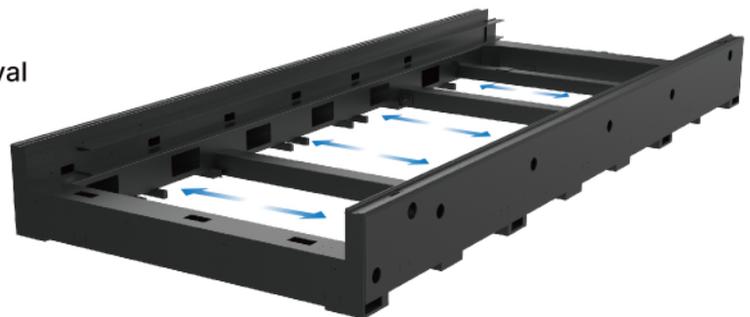
03 SENFENG laser cutting head
Autofocus, all-round water cooling, tightly dust-proof

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



Secondary aging treatment



Precision machining by ultra-large planomill

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



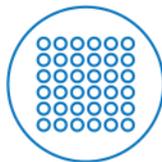
Perfect finish cut



Disc centering



Restart from breakpoint after power failure



Pierce-through deslagging



Visual oddments cutting



Leapfrog cutting



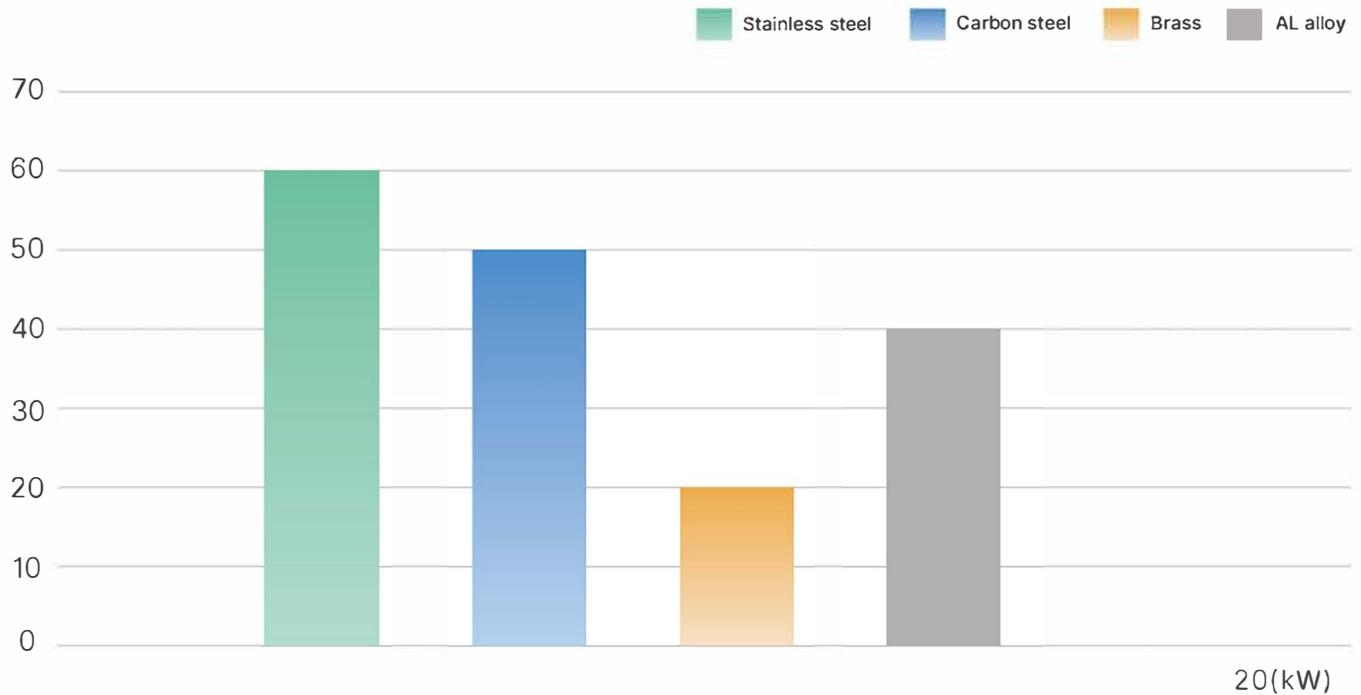
Co-edge cutting



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)	3080*1530
X/Y-axis Positioning Accuracy (mm)	±0.05
X/Y-axis Repositioning Accuracy (mm)	±0.02
Max No-load Speed (m/min)	180
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



