



SENFENG LEIANG
LASER

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Exclusive distributor in Australia

ALPHA CNC GROUP PTY LTD

21/2-4 Picrite Close, Pemulwuy NSW 2145

Phone: 02 9683 6117

Web: www.alphacnc.com.au

Felix Yan

Mobile: 0420 206 745

Email: felix_yan@alphacnc.com.au

ALPHA SENFENG Fiber Laser Cutting Machine

SF3015G-1000/2000/3000



Specifications :



Model	SF3015G-1000/2000/3000
Cutting Table Size	1500mm*3000mm
X-axis Travel	3000mm
Y -axis Travel	1500mm
Z -axis Travel	80mm
Laser Power	1000W
Positioning Accuracy	±0.05mm
Repetitive Accuracy	±0.02mm
Maximum Speed	80m/min
Power	3 Phase 415V/50Hz /32A
Machine Weight	3200KG
Dimension	5000*2360*1600mm
Laser Source	Raycus fiber laser 1KW/2KW/3KW
Laser Head	Raytools
CNC Controller	Cypcut - PC based CNC - easy integration into factory network
Cabinet Electrical	SIEMENS/Schneider
Machine Frame	SF3015G
Water Chiller	Specialized for 1KW/2KW/3KW fiber laser
Dust Exhausting Fan	1.5KW



Features:

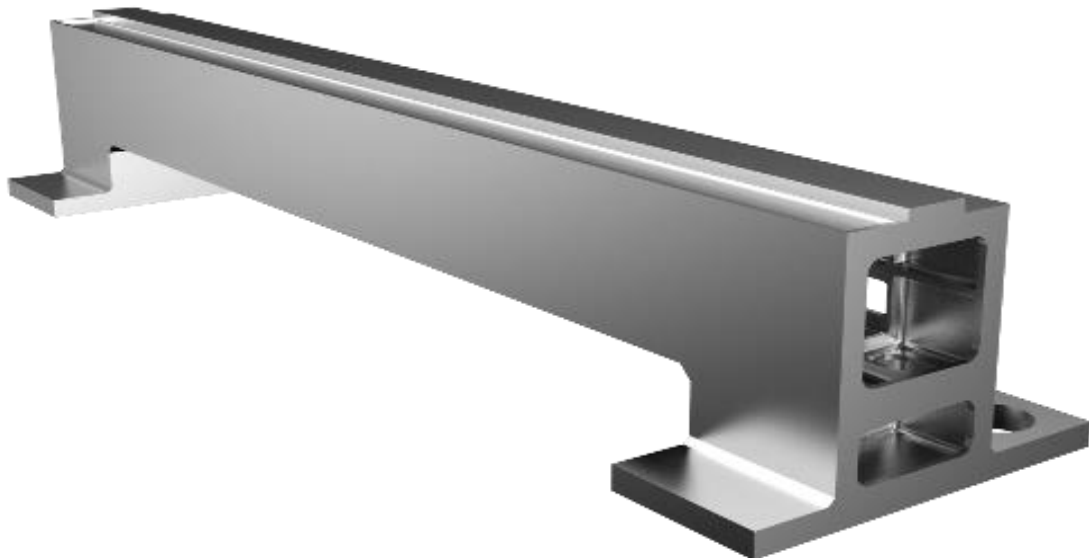
Pipe Welding Frame

Whole machine is machined by high accuracy CNC gantry machine center, 600° C heat treatment has been done on the machine frame, which gives Alpha SENFENG laser cutting machine a minimum 20 years life without mechanical distortion.



Cast Aluminium Beam

Light cast aluminium beam has been adopted to guarantee fast and high precision cutting





Application & Capability

Materials:

Carbon steel - Stainless steel - Aluminum alloy – Brass – Copper - Galvanized Steel - Titanium

Thickness:

0.5-8mm carbon steel - 0.5-3mm stainless steel - 0.5-2mm aluminium - 0.5-1.5mm brass



Industries:

Sheet metal manufacturing, Automobile, machinery manufacturing, elevator manufacturing, household appliances, kitchen and sanitary ware, signage, and other machinery manufacturing and processing industries.





Cutting Parameters

Material	1KW		2KW		3KW		Cutting Gas
	Thickness	Speed	Thickness	Speed	Thicknes	Speed	
Stainless steel	1 mm	16 m/min	1 mm	25 m/min	1 mm	40m/min	N2/Air
	2 mm	6 m/min	3 mm	4.5 m/min	3 mm	8.5m/min	N2/Air
	3 mm	1.8 m/min	5 mm	1.3 m/min	8 mm	1.0 m/min	N2/Air
Carbon steel	1 mm	15 m/min	1 mm	23 m/min	1 mm	35m/min	N2
	2 mm	5.5 m/min	3 mm	4m/min	3 mm	4.5 m/min	O2
	3 mm	3 m/min	6 mm	1.6 m/min	6 mm	1.8 m/min	O2
	4 mm	1.8 m/min	8 mm	1.2 m/min	10 mm	1.1 m/min	O2
	6 mm	1.2 m/min	10 mm	1.0 m/min	12 mm	0.9 m/min	O2
	8 mm	0.8 m/min	14 mm	0.7 m/min	16 mm	0.7 m/min	O2
Brass	1 mm	7 m/min	1 mm	12 m/min	1 mm	15 m/min	N2/Air
	1.5 mm	4.5 m/min	3 mm	2.3 m/min	4 mm	2 m/min	N2/Air
Aluminum	1 mm	8 m/min	1 mm	13 m/min	1 mm	27 m/min	N2/Air
	2 mm	3 m/min	3 mm	3.5 m/min	3 mm	7 m/min	N2/Air

SENFENG LEIMING factory workshop





SENFENG LEIMING
LASER

USA branch



Germany Branch





Other Products

3D Robot



3D Robot Laser Automation System



3D Laser Cutting and Welding

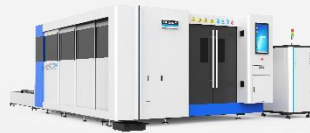


Arm 3D Robot

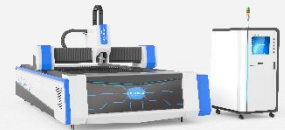
Plate and Tube Cutting Machine



Tube Laser Cutter



Dual Table Sheet Fiber Laser Cutter
With Safety Cover



Sheet Fiber Laser Cutter

Other Laser Equipment



Automatic Laser Cutting Production Line



Laser Cleaner

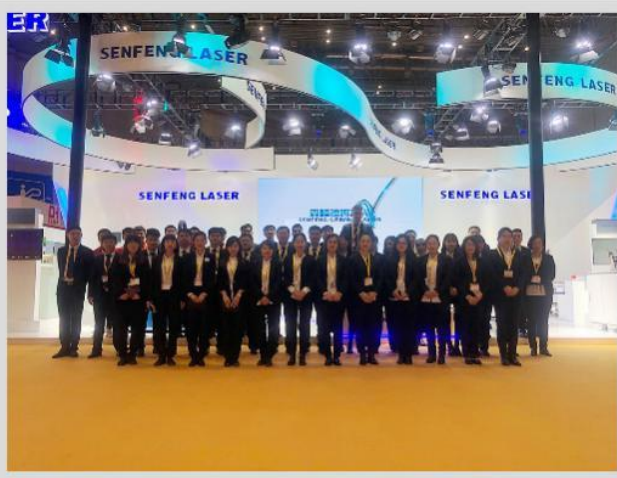


High Precision Laser Cutter



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Trade shows





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Thanks for your interest

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