

LASER CUTTING MACHINE GF SERIES



Features

- ▣ Improvement of cutting efficiency by the frog movement.
- ▣ Fast response to follow the surface.
- ▣ Fast response of laser power setting, in order to keep the quality when cutting the corner.
- ▣ Automatically edge searching mode.

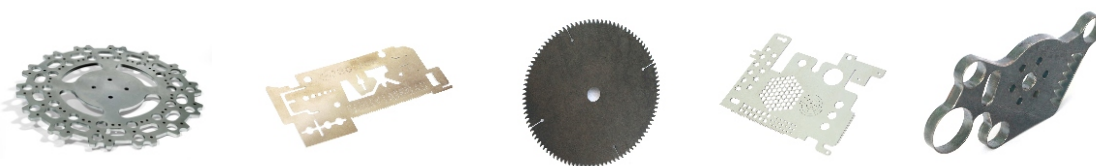
Technical Specification

Machine Model	GF3015	GF4020	GF6020
Cutting Area (L×W)	3000mm×1500mm	4000mm×2000mm	6000mm×2000mm
Laser Source	HGTECH-RAYCUS	HGTECH-RAYCUS	HGTECH-RAYCUS
Laser Type & Power	Fiber & 1000/1500/2000/3000	Fiber & 1000/1500/2000/3000	Fiber & 1000/1500/2000/3000
Laser Wavelength	1070nm ±10nm	1070nm ±10nm	1070nm ±10nm
CNC System	CYPCUT	CYPCUT	CYPCUT
Servo Motor	YASKAWA(JAPAN)	YASKAWA(JAPAN)	YASKAWA(JAPAN)
Laser Cutting Head	Raytools	Raytools	Raytools
Display	19" Industry LCD	19" Industry LCD	19" Industry LCD
Max Moving Speed	80 m/min, Acceleration is 0.8G	80 m/min, Acceleration is 0.8G	80 m/min, Acceleration is 0.8G
Position Accuracy (X and Y axis)	±0.05mm	±0.05mm	±0.05mm
Reposition Accuracy (X and Y axis)	±0.03mm	±0.03mm	±0.03mm
Stroke	X-axis	1530mm	2030mm
	Y-axis	3050mm	4050mm
	Z-axis	100mm	100mm
Motion Structure	X and Y axis	Rack & Pinion	Rack & Pinion
	Z-axis	Ball Screw	Ball Screw
Power Supply Requirement	380V 50/60Hz 50A	380V 50/60Hz 50A	380V 50/60Hz 50A
Max Loading (KG)	600 KG	1300 KG	1900 KG
Machine Weight	≤4000 Kg	≤5000 Kg	≤6000 Kg
Appearance Size	4250mm×2430mm×1800mm	5555mm×3050mm×1800mm	7850mm×3050mm×1800mm

Cutting Ability

Laser Source	Mild Steel	Stainless Steel	Aluminum
1000w	10mm	4mm	
1500w	12mm	5mm	3mm
2000w	16mm	8mm	5mm
3000w	20mm	10mm	10mm

Cutting Samples



LASER CUTTING MACHINE GF PLUS SERIES



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- ▣ Automatically edge searching mode.

Technical Specification

Machine Model		GF3015 PLUS	GF4020 PLUS	GF6020 PLUS	
	Cutting Area (L×W)	3000mm×1500mm	4000mm×2000mm	6000mm×2000mm	
	Laser Source	HGTECH-RAYCUS	HGTECH-RAYCUS	HGTECH-RAYCUS	
	Laser Type & Power	Fiber & 1000/1500/2000/3000	Fiber & 1000/1500/2000/3000	Fiber & 1000/1500/2000/3000	
	Laser Wavelength	1070nm ±10nm	1070nm ±10nm	1070nm ±10nm	
	CNC System	CYPCUT	CYPCUT	CYPCUT	
	Servo Motor	YASKAWA(JAPAN)	YASKAWA(JAPAN)	YASKAWA(JAPAN)	
	Laser Cutting Head	Raytools	Raytools	Raytools	
	Display	19" Industry LCD	19" Industry LCD	19" Industry LCD	
	Max Moving Speed	100 m/min, Acceleration is 1G	100 m/min, Acceleration is 1G	100 m/min, Acceleration is 1G	
	Position Accuracy (X and Y axis)	±0.05mm	±0.05mm	±0.05mm	
	Reposition Accuracy (X and Y axis)	±0.03mm	±0.03mm	±0.03mm	
	Stroke	X-axis	1530mm	2030mm	2030mm
		Y-axis	3050mm	4050mm	6050mm
Z-axis		220mm	220mm	220mm	
Motion Structure	X and Y axis	Rack & Pinion	Rack & Pinion	Rack & Pinion	
	Z-axis	Ball Screw	Ball Screw	Ball Screw	
	Power Supply Requirement	380V 50/60Hz 50A	380V 50/60Hz 50A	380V 50/60Hz 50A	
	Max Loading (KG)	700 KG	1300 KG	1800 KG	
	Appearance Size	8100mm×3100mm×2300mm	11000mm×3550mm×2300mm	15200mm×3550mm×2300mm	

Cutting Ability

Laser Source	Mild Steel	Stainless Steel	Aluminum
1000w	10mm	4mm	2mm
1500w	12mm	5mm	3mm
2000w	16mm	8mm	5mm
3000w	20mm	10mm	10mm

Cutting Samples



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