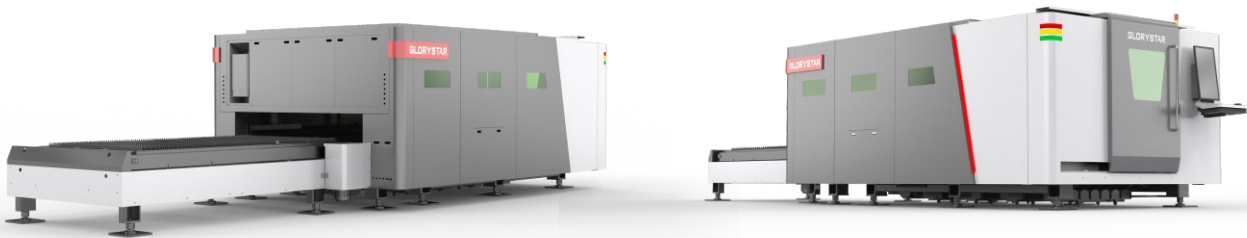




GS-CE Series **HIGH-SPEED** **ECO-FRIENDLY**

COVER EXCHANGED FIBER
LASER METAL SHEET CUTTING MACHINE



TECHNICAL SPECIFICATIONS

Model	GS-3015CE	GS-4015CE	GS-4020CE	GS-6015CE	GS-6020CE	GS-6025CE
Max. material width (mm)	3000×1500 5×10ft	4000×1500 5×13ft	4000×2000 7×13ft	6000×1500 5×20ft	6000×2000 7×20ft	6000×2500 8×20ft
X axis travel (mm)	1550 / 5.1ft	1550 / 5.1ft	2050 / 6.8ft	1550 / 5.1ft	2050 / 6.8ft	2550 / 8.4ft
Y axis travel (mm)	3050 / 10ft	4050 / 13.3ft	4050 / 13.3ft	6050 / 19.9ft	6050 / 19.9ft	6050 / 19.9ft
Z axis travel (mm)	290 / 1ft	290 / 1ft	290 / 1ft	290 / 1ft	290 / 1ft	290 / 1ft
X/Y positioning accuracy	≤0.03mm/m / 0.00118in/39.4in					
X/Y repeat positioning accuracy	≤±0.02mm / 0.00079in					
Max. synthetic positioning speed	170m/min / 557.8ft/min					
Max. acceleration	2.8G	2.8G	2.5G	2.8G	2.5G	2.0G
Slit width	0.1mm-0.5mm / 0.0039in-0.0197in					
Incision roughness	Ra3.2um-Ra25.4um / Ra0.000126-Ra0.001in					
Max. cutting thickness range	Refer to the following process parameter table					
Min. setting unit	0.001mm / 0.00003937in					
Floor area of machine tool (mm)	10100×4000 33.1×13.2ft	12200×4000 40.2×13.2ft	12200×4500 40.2×14.8ft	17560×4000 57.6×13.2ft	17560×4500 57.6×14.8ft	17560×5000 57.6×16.4ft
Host volume (mm)	9100×3120×2200 29.6×10.3×7.3ft	11200×3120×2200 36.1×10.3×7.3ft	11200×3620×2200 36.1×11.9×7.3ft	16560×3120×2200 54.3×10.3×7.3ft	16560×3620×2200 54.3×11.9×7.3ft	16560×4120×2200 54.3×13.6×7.3ft
CNC system	BOCHU					
Monitor	27" LCD					
Transfer method	Rack and pinion dual drive					
Max. load-bearing capacity of worktable (tons)	2.2 / 4850lbs	2.8 / 6173lbs	3.8 / 8377lbs	4.3 / 9481lbs	5.7 / 12566lbs	7.1 / 15653lbs
Total installed power consumption	3000W		27KVA			
	6000W		42KVA			
	12000W		100KVA			
Power requirements	AC380V , 50Hz ; 3P+N+PE					
Total power protection level	IP51					
Instruction	The products provided by the company are optimized and upgraded according to the research and development process. This technical description is suitable for most models. The products purchased by customers may differ from the specified configuration. This manual does not confirm the contract delivery of machinery and equipment.					

RAPID START-STOP WITH MILLISECOND-LEVEL ACCELERATION

This laser cutting machine delivers explosive, millisecond-level acceleration. Its patented hollow bed structure prevents heavy load risks and thermal deformation, boosting bending rigidity by over 50% and ensuring precise, stable processing of medium-to-thick plates.



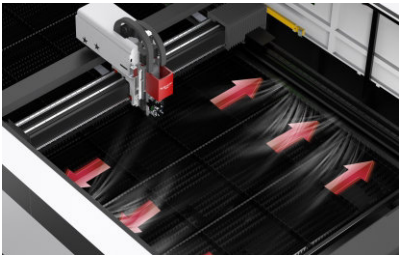
LOW-CENTER-OF-GRAVITY, HIGH-RIGIDITY ALUMINUM ALLOY BEAM

Equipped with a 250×250mm aerospace-grade aluminum alloy beam featuring a low-center-of-gravity and large cross-sectional design, it combines lightweight strength with exceptional rigidity, significantly enhancing acceleration, deformation resistance, and precision maintenance—providing robust structural support for every cut.



ADVANCED INTELLIGENT DUST REMOVAL SYSTEM

Equipped with an intelligent dust removal system featuring 8 to 30 automated high-suction zones for efficient smoke extraction. Standard safety features include anti-collision beam protection via light curtains, multi-scenario adaptability, automatic grease lubrication, and an MCA-regulated electrical cabinet, ensuring reliable and efficient operation.



DUAL-STATION HIGH-SPEED EXCHANGE WORKTABLES

The dual-station design enables independent loading/unloading and cutting processes, rapidly switching between tasks to dramatically boost production efficiency and fulfill high-speed continuous processing demands.

