



GS-HD Series

CUSTOMIZATION

LOAD SEPARATION

PROFILE STEEL AND PLATE LASER CUTTING MACHINE

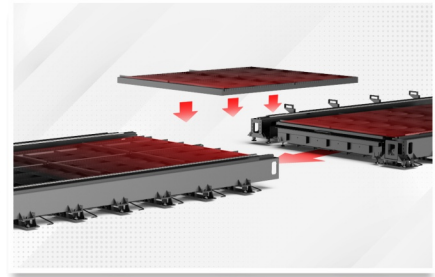


TECHNICAL SPECIFICATIONS

Model	GS-13030HD	GS-18030HD	GS-26030HD
Max. material width (mm)	13000×3000 43×10ft bevel cutting: 12500×2500 41×8ft	18000×3000 59×10ft bevel cutting: 17500×2500 57×8ft	26000×3000 85×10ft bevel cutting: 25500×2500 83×8ft
X axis travel (mm)	3050 / 10ft	3050 / 10ft	3050 / 10ft
Y axis travel (mm)	13050 / 42.8ft	16050 / 52.7ft	26050 / 85.5ft
Z axis travel (mm)	850 / 2.8ft	850 / 2.8ft	850 / 2.8ft
X/Y positioning accuracy	≤0.03mm/m / 0.00118in/39.4in		
X/Y repeat positioning accuracy	≤±0.02mm / 0.00079in		
Max. synthetic positioning speed	75m/min / 246ft/min		
Max. acceleration	0.3G		
Max. Profile Weight	5T / 11023lbs		
Maximum Uniform Load Capacity	20T / 44092lbs	25T / 55115lbs	36T / 79366lbs

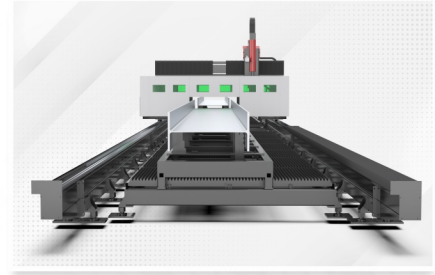
| SPLIT INTERNAL AND EXTERNAL MODULAR BED FRAME

Adopting a gantry truss structure minimizes machining errors and ensures high part quality. The separated drive and bearing systems prevent thermal deformation, increasing bending resistance by over 50%. Its modular bed allows infinite extension and customization of the working area.



| GANTRY-TYPE LARGE CROSS-SECTION FRAME-WELDED BEAM

The beam adopts a large cross-section welded design (450×400mm), providing better deformation resistance. After welding and high-temperature annealing processes, it ensures long-term strength and precision of the beam. The gantry-style frame design provides superior motion stability, resulting in higher operational stability.



| VERSATILE CUTTING, PRECISION IN EVERY PROCESS

The machine integrates plate, tube, and profile cutting in one system. A rotary clamping device enables high-precision cutting of round tubes from 600 to 1200 mm, while the worktable supports H-beam cutting up to 1200 mm(h). It handles marking, notching, drilling, pre-weld holes, and bolt-hole cutting in a single, continuous process—ideal for batch production of medium-thick steel plates.



| ENHANCED FUNCTIONALITY, UPGRADED BEVEL CUTTING

The intelligent cutting head, paired with a professional ACU 3D rotary axis, enables multi-directional and multi-angle 3D cutting of H-beams, channel steel, and angle steel. Bevel cutting is highly flexible, efficient, and precise—solving the problems of complex, low-efficiency, and poor-quality traditional bevel processing.

