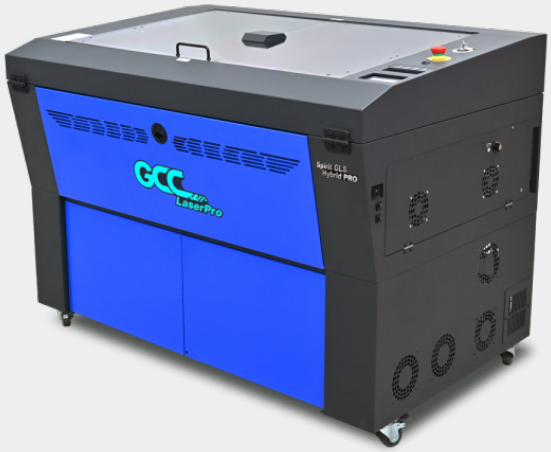
GCC LASER ENGRAVER
SPIRIT GLS HYBRID PRO
HIGH DEMAND ENVIRONMENTS

LASER SOLUTIONS









| OVERVIEW |

Designed with dual laser capabilities—integrating both CO_2 and Fiber laser options—the Spirit GLS Hybrid PRO empowers users to work seamlessly across non-metallic and metallic materials with exceptional efficiency, precision, and reliability.

Built for high-demand environments, it maximizes productivity and ensures consistent quality across applications, enabling businesses to expand their capabilities from wood engraving to metal marking with minimal setup.

| KEY FEATURES |

- CO2 & Fiber Hybrid Lasers (Spirit GLS Hybrid PRO Only)
- SmartPIN™ AutoFocus (Patented)
- SmartEYES™ & Live-view Camera
- Key Switch & Emergency Stop
- DuraGuide
- Easy to Use 4" Touch Panel
- Innovative Software Features
- SmartLID™ (Patented)
- Closed-loop DC Servo Technology
- Drag-N-Play
- SmartCENTER™ (Patented)
- Astonish 3D Engraving
- TrueImage Engraving Technology (Patented)

| OPTIONAL ITEMS |

- SmartVISION™ Elite CCD
- Stack Light Set
- Grid Cutting Table
- SmartGUARD™ Fire Alarm
- Honeycomb Table
- Flame Sprinkler System
- Donaldson BOFA extraction
- External Interface Control Board
- SmartAIR™ Fine Nozzle
- Dust Prevention Window
- Rotary Chuck
- SmartBOX™
- Air Compressor
- SmartTOOL™

Dimensions

Dimensions:	1373 x 934 x 1010 mm
Max Part Size	990 x 635 x 177 mm (all doors closed)
Max Part Size	990 x ∞ x 177 mm (all doors open)
Work Area	860 x 610 mm (extendable 960 x 610 mm)

Technical Specification

Laser Source	CO2: 30W to 100W 10.6-µm sealed CO2 Laser
	Fiber: 30W or 50W Fiber laser
	Dual: Available
Cooling	Air-cooled, Operating environment temp 15°- 30°C
Drive	Closed-loop DC servo control
Max Engr. Speed **CO2**	30W - 40W: 2.54 m/s (100 in/s) 60W - 100W: 3.04 m/s (120 in/s)
Max Engr. Speed **Fiber**	30W or 50W: 3.04 m/s (120 in/s)
Max Engr. Speed **Dual**	CO2 30W - 40W & Fiber 30W or 50W : 2.54 m/s CO2 60W -100W & Fiber 30W or 50W : 3.04 m/s
Speed Control**	Adjustable from 0.1~100%
Power Control**	Adjustable from 0~100%
Engraving Capability	256-level gray scale image processing capability
Z-Axis Movement	Automatic
Camera	SmartEYES(standard), SmartVISION Elite(optional)
Focus Lens **CO2**	Standard 2.0", optional 1.5", 2.5", & 4.0" available
Focus Lens **Fiber**	Standard 4.0", optional 2.0" available
Focus Lens **Dual**	Standard 2.0", optional 3.0" & 4.0" available
Resolution (DPI)	125, 250, 300, 380, 500, 600, 760, 1000, 1500
Interface	10 Base-T Ethernet, USB Type-A 2.0 – For USB storage (Max. 32GB capacity, FAT file system) USB Type-B 2.0 – For connecting with the comp.
Operating Systems	MS Windows
Control Panel	4" Touch panel
Safety	Class 1 Laser Product Compliant with EN60825, Class 2 Laser Product Compliant with CDRH, 2006/42/EC Machinery Directive Compliance Class 4 Laser Product Compliant with CDRH with the optional pass-through door module
Operation Voltage CO2	30W - 60W: 100-240VAC, 50-60Hz Auto Switching, Max. 15A 80W and Above : 200-240VAC, 50-60Hz Auto Switching, Max. 15A
Operation Voltage Fiber	30W or 60W: 100-240VAC, 50-60Hz Auto Switching, Max. 8A
Fume Exhaust System	External exhaust system with min flow rate 800m3/h (CFM 471 ft3/min) is required,2.3kPA neg pressure

** Speed is not equal to throughput.*
*** Up to 16 colour linked power settings per job*

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Engineering Equipment for Education

* Images are for reference only and may differ from the final product
** Flamefast reserves the right to change product specification without prior notice

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