GCC LASER ENGRAVER
SPIRIT LS PRO
SETS THE BENCHMARK STANDARD









| OVERVIEW |

GCC LaserPro Spirit LS PRO distinguishes itself from the competition by combining unparalleled speed, output quality, reliability, and user- friendliness

With an abundance of useful and innovative features, the Spirit LS PRO sets the standard as the industrial benchmark for laser engravers.

| KEY FEATURES |

- Fiber Model Available
- SmartPIN™ AutoFocus (Patented)
- SmartEYES™ & Live-view Camera
- Key Switch & Emergency Stop
- DuraGuide - systematic and reliable motion system
- Easy to Use 4" Touch Panel
- Innovative Software Features
- SmartLID™ (Patented)- lid that opens from both ends
- Closed-loop DC Servo Technology
- Drag-N-Play simplifies operations and shortens setup time
- SmartCENTER™ (Patented) helps end users to easily and automatically locate the center point of objects
- Astonish 3D Engraving
- TrueImage Engraving Technology (Patented)

| OPTIONAL ITEMS |

- Wi-Fi Router
- Rotary Chuck
- Stack Light Set
- Donaldson BOFA fume extraction system
- SmartGUARD™ Fire Alarm (Patented)
- Honeycomb Table
- Flame Sprinkler System
- SmartBOX™
- SmartAIR™ Fine Nozzle
- Dust Prevention Window
- Air Compressor
- SmartVISION™ Elite CCD
- SmartTOOL™

flamefast | EDUCATION
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

Dimensions

Product Dimensions:	1125 x 720 x 1005 mm
Max Part Size (all doors closed)	762 x 482.6 x 165 mm
Max Part Size (all doors open)	762 x ∞ x 165 mm
Work Area	640 x 460 mm extendable to 740 x 460 mm

Technical Specification

Laser Source CO2	30W to 100W 10.6-µm sealed CO2 Laser
Laser Source Fiber	30W or 50W fiber laser
Cooling	Air-cooled, Operating environment temperature 15°- 30°C (59°- 86°F)
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)
Speed Control**	Adjustable from 0.1-100%
Power Control**	Adjustable from 0-100%
Engraving Capability	256-level grey 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"
	Fiber: Standard 4.0", optional 2.0"
Resolution (DPI) Available	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 System	MS Windows
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/100W - 200-240VAC, 50-60Hz, Max. 15A
Operation Voltage Fiber	30W or 50W: 100-240VAC, 50-60Hz Auto Switching, Max. 8A
Fume Extraction System	External exhaust system with minimum flow rate 640m3/h (CFM 377 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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