



Rotary Attachment



SmartAIR Nozzle





External Control Interface Board

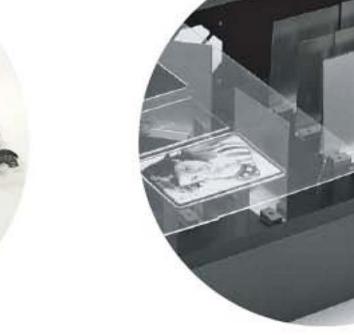
Pass-through Door Switch Module



SmartPRINT<sup>TM</sup>



Flame Sprinkler System









265024050G

Air Compressor Unit SmartBOX<sup>TM</sup> Cutting

		Accessory	maicate
Specification		Spirit LS PRO	
Work Area		640 x 460 mm (25 x 18 in.) Extendable to 740 x 460 mm (29 x 18 in.)	
Max. Part Size (L x W x H)	All doors closed	762 x 482.6 x 165 mm (30 x 19 x 6.5 in.)	
	All doors open	762 x $\infty$ x 165 mm (30 x $\infty$ x 6.5 in.)	
Dimensions (W x D x H)		1125 x 720 x 1005 mm (44.3 x 28.3 x 39.6 in.)	
Laser Source		12 to 100W 10.6-μm sealed CO2 Laser / 20W & 60W 9.3-μm sealed CO2 Laser	
Cooling		Air-cooled, Operating environment temperature 15°- 30°C (60°- 86°F)	
Drive		Closed-loop DC servo control	
Maximum Motor Speed		120 IPS**	
Speed Control		Adjustable from 0.1-100% (Up to 16 color-linked speed settings per job)	
Power Control		Adjustable from 0-100% (Up to 16 color-linked power settings per job)	
Engraving Capability		256-level gray scale image processing capability	
Distance Accuracy		0.254 mm or 0.1% of move, whichever is greater	
Z-Axis Movement		Automatic	
Focus Lens		Standard 2.0", optional 1.5", 2.5", & 4.0" available	
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 computer	
Compatible Operating Systems		MS Windows	
Display Panel		4" Touch panel showing current file name, total working time, laser power, engraving speed, fi loaded into memory buffer, setup and diagnostic menus	ile(s)
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		Laser below 80Watt, 100-240VAC, 50-60Hz Auto Switching, Max. 15A Laser 80Watt and above, 200-240VAC, 50-60Hz, Max. 15A	
Fume Extraction System		External exhaust system with minimum flow rate 640m³/h (CFM 377 ft³/min) is required, 2.3kPA negative pressure (Pure-Air PA-1000FS @ 4" exhaust port)	

<sup>\*</sup> Speed does not equal to throughput. See dealer or visit www.GCCworld.com for more details.

<sup>\*\*\*</sup>Please use certified brands by GCC for LaserPro USB storage, kindly refer to GCC User Manuals for more details.













# Laser Engraver

Smart Innovative Evolution at Its Best



- 640 x 460 mm (25 x 18 in.) working area
- Up to 120 IPS high working speed
- Equipped with SmartEYES CCD, enabling easier positioning
- Patented SmartACT<sup>TM</sup> motion control technology for higher throughput
- Closed-loop DC servo motor for precise movement of laser carriage
- Reliable DuraGuide motion system with reinforced Kevlar belt delivers superb output quality
- Plug and play standard USB port for rapid data transmission
- Patented SmartGUARD<sup>TM</sup> fire alarm device to provide maximum operation safety (optional)

 $<sup>\</sup>Delta$  Specifications are subject to change without prior notice.

<sup>\*</sup> The flow rate is determined by a default fume extraction system;

the flow rate may vary due to a different fume extraction system.





# GCC LaserPro Spirit LS PRO

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 sets the standard as the industrial benchmark for laser engravers.

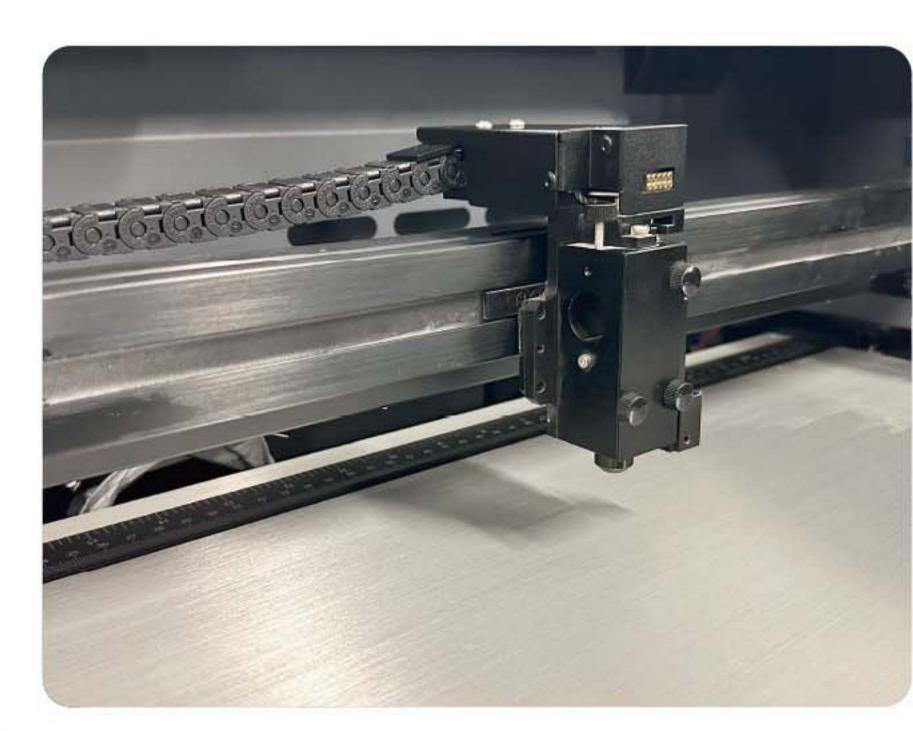


Laser Engraver

# GCC LaserPro Spirit LS PRO

### DuraGuide

Systematic and reliable motion system embedded with strong mechanical framework, reinforced Kevlar belts, and accurate servomotor control technology to deliver superb output quality under rapid movement.





#### SmartPIN AutoFocus (Patented)

The plug-and-play probe design makes focusing a one-touch process and provides the accuracy and precision required for optimum quality in the lasing process.

# SmartLID<sup>™</sup> (Patented)

An innovative lid that opens from both ends allowing easier access for daily maintenance.





#### **SmartEYES**

SmartEYES camera allows you to preview your design to make positioning simple and easy.

# SmartACT<sup>™</sup> (Patented)

Ground-breaking technology that reduces the ramping process, the job running time, which translates into higher productivity.





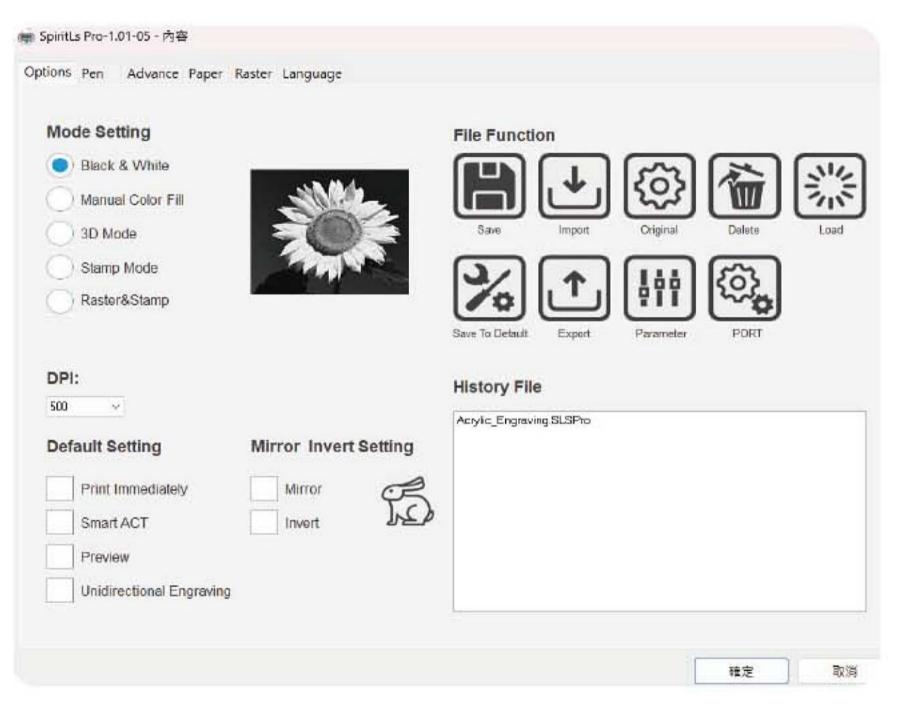
#### Key Switch & Emergency Stop

Key switch safeguards the machine from unauthorized use. Prominent emergency button located on the top of the machine allows operators to stop the laser and the motion carriage immediately to provide a safe operating environment.

## Easy to use 4" Touch Panel

A touch panel with coherent hot-key design and graphic icon displays that allows you to directly change the laser parameter setting, set jobs to repeat unlimited times, queue jobs, delete jobs, and more.





#### Innovative Software Features

#### New UI design for a fresh look.

Various user friendly features such as SmartCENTER, Defocus by pen, allows users to reduce set up time and make easy adjustments to achieve marvelous output quality.