GCC LaserPro

Optional Items

- Pass-through Door Switch Module
- Rotary Attachment
- SmartVISION™ Elite CCD
- SmartGUARD™ Fire Alarm (Patented)
- External Control Interface Board
- SmartPRINT™
- Flame Sprinkler System
- SmartBOX™ Cutting Accessory
- Air Compressor Unit
- Fume Extraction System
- External Signal Indicator

Smart Innovative Evolution at Its Best

Spirit LS PRO

Specification — Spirit LS PRO

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 ∞ x 165 mm (30 x ∞ 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		30 to 100W 10.6-μm sealed CO_2 Laser
Cooling		Air-cooled, Operating environment temperature 15°- 30°C (59°- 86°F)
Drive		Closed-loop DC servo control
Maximum Engraving Speed*		30W - 40W: 2.54 m/s (100 in/s) 60W - 100W: 3.04 m/s (120 in/s)
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
Z-Axis Movement		Automatic
Camera	SmartEYES	Standard
	SmartVISION Elite	Optional
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-line LCD : panel showing current file name, total working time, laser power, engraving speed, file(s) loaded into memory buffer, setup and diagnostic menus
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		30W - 60W - 100-240VAC, 50-60Hz Auto Switching, Max. 15A 80W/100W - 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)

* Speed is not equal throughput. See dealer or visit http://www.GCCworld.com for more details.
** The flow rate is determined by a default fume extraction system; the flow rate may vary due to a different fume extraction system.

∆ Specifications are subject to change without prior notice

www.GCCworld.com

- 740 x 460 mm (29 x 18 in.) working area
- Up to 120 IPS high engraving speed
- Equipped with SmartEYES™ CCD, enabling easier positioning
- Closed-loop DC servo control 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
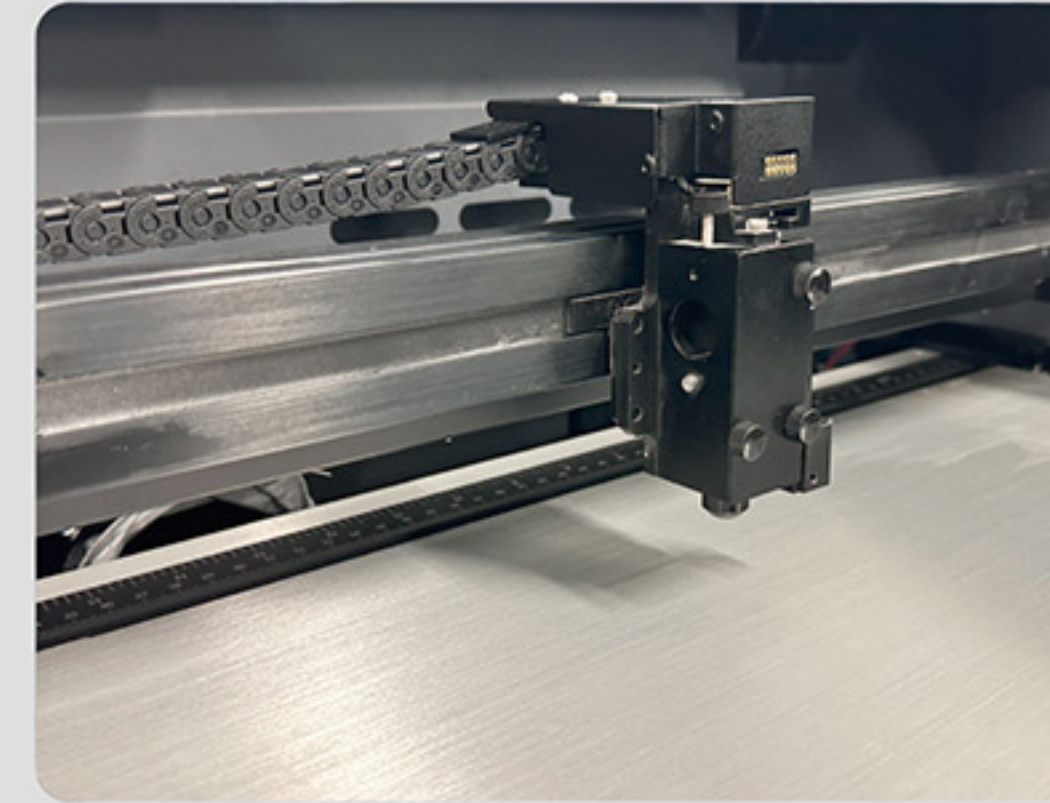- Patented SmartGUARD™ fire alarm device to provide maximum operation safety (optional)

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 PRO sets the standard as the industrial benchmark for laser engravers.
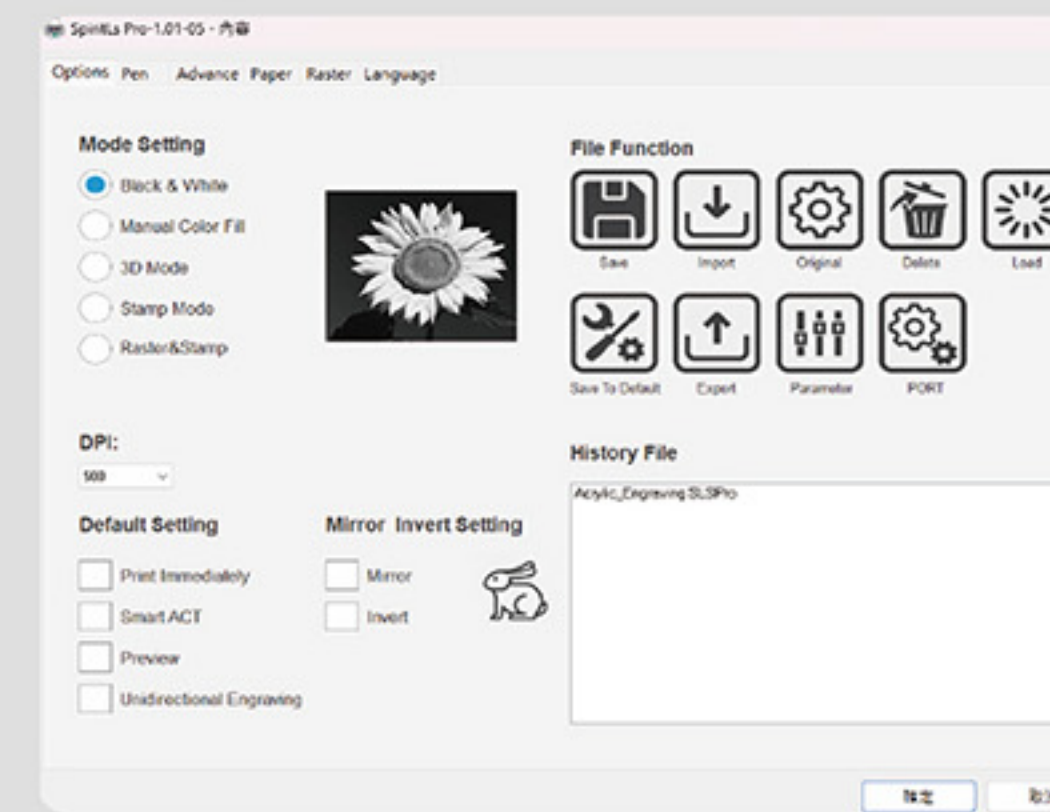
DuraGuide

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.
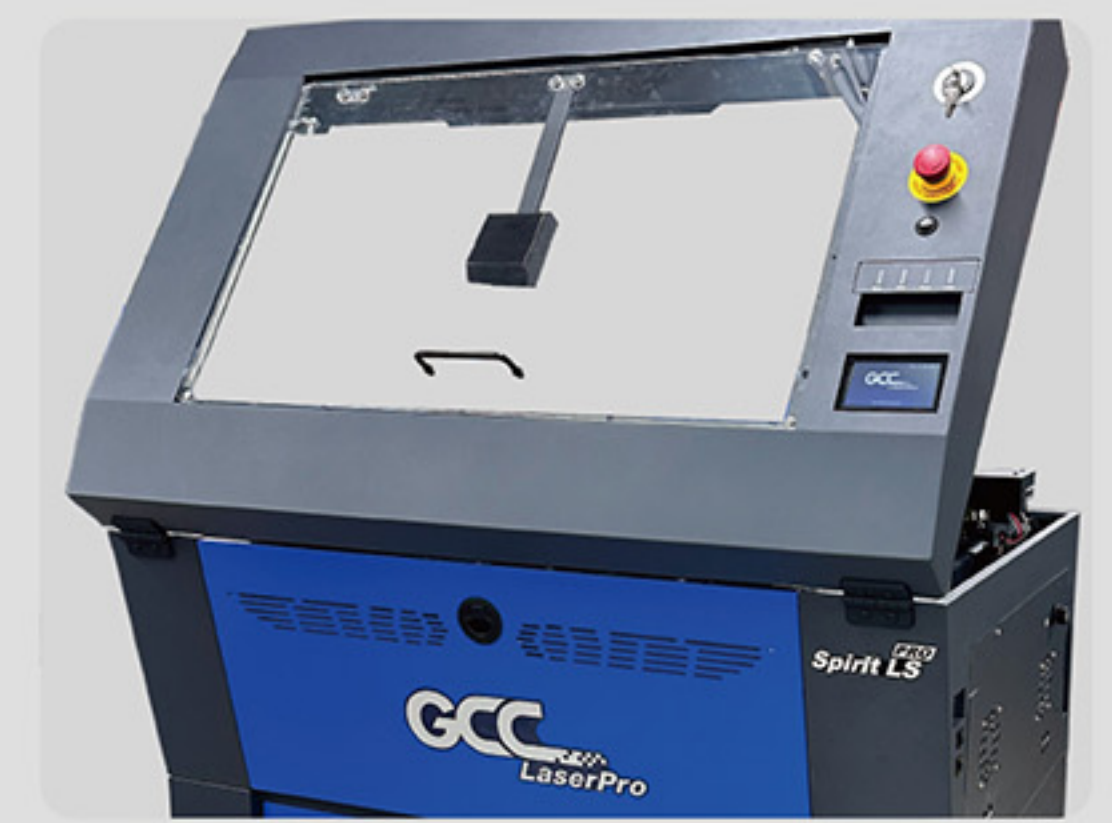
Easy to use 4" Touch Panel

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.
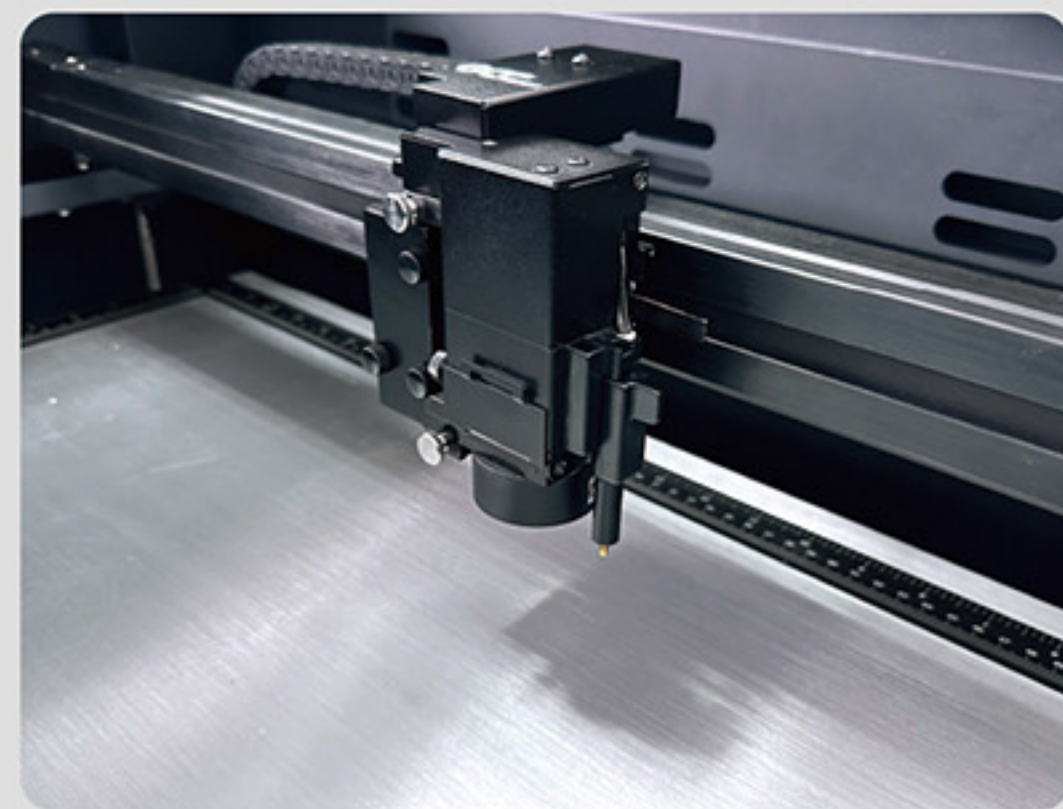
SmartLID™ (Patented)

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

SmartACT™ (Patented)

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

FEATURES

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.

SmartEYES™

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

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.

APPLICATION
Laser Engraving & Laser Cutting

Nori

Packaging Belt

Acrylic

Bookmark

Tumbler

Bell Drum