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

265024040G(2)

GCC LaserPro

Smart Innovative Evolution at Its Best
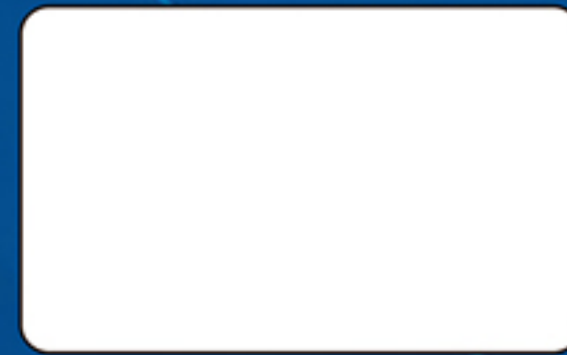
Spirit LS PRO

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	CO_2	30W to 100W 10.6-μm sealed CO_2 Laser
	Fiber	30W or 50W fiber laser
Cooling		Air-cooled, Operating environment temperature 15°- 30°C (59°- 86°F)
Drive		Closed-loop DC servo control
Maximum Engraving Speed*	CO_2	30W - 40W: 2.54 m/s (100 in/s) / 60W - 100W: 3.04 m/s (120 in/s)
	Fiber	30W or 50W: 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.

Δ Specifications are subject to change without prior notice

CAUTION
LASER RADIATION
DO NOT STARE INTO BEAM
LASER DIODE 0.9mW MAX
OUTPUT AT 640-660nm

LASER RADIATION –
AVOID DIRECT EYE EXPOSURE
CLASS 2 LASER PRODUCT
LASER DIODE 0.9mW MAX
OUTPUT AT 640-660nm
Classified by EN 60825-1:1994+A1:2002+A2:2001   LASER APERTURE

CE Pb RoHS

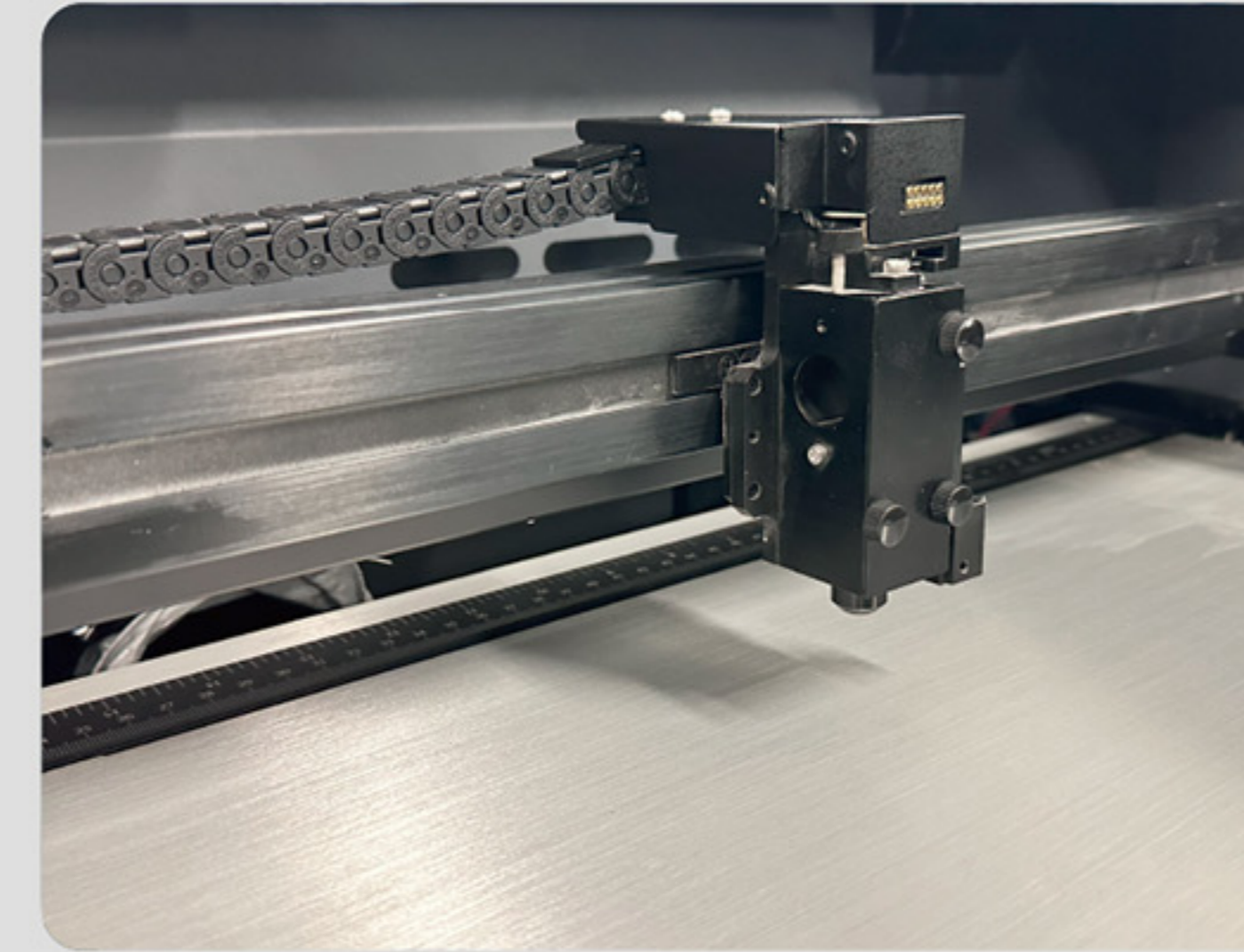Authorized Dealer

www.GCCworld.com

GCC Headquarters 4F-1., No.236, Fude 2nd Rd., Xizhi Dist., New Taipei City 22151, Taiwan 886-2-6616-6692 Fax : 886-2-2694-6875
GCC China No.1, Chen Feng Road, Yushan, Kunshan, Jiangsu 215300, China 86-512-5726-1515 Fax : 86-512-5726-1518
GCC Europe B.V. Eglantierbaan 43-45, 2908 LV, Capelle a/d IJssel, The Netherlands 31-10-458-9367
GCC America, Inc 20453 E Valley Blvd.Walnut, CA 91789, USA 1-909-718-0248 Fax : 1-909-718-0251
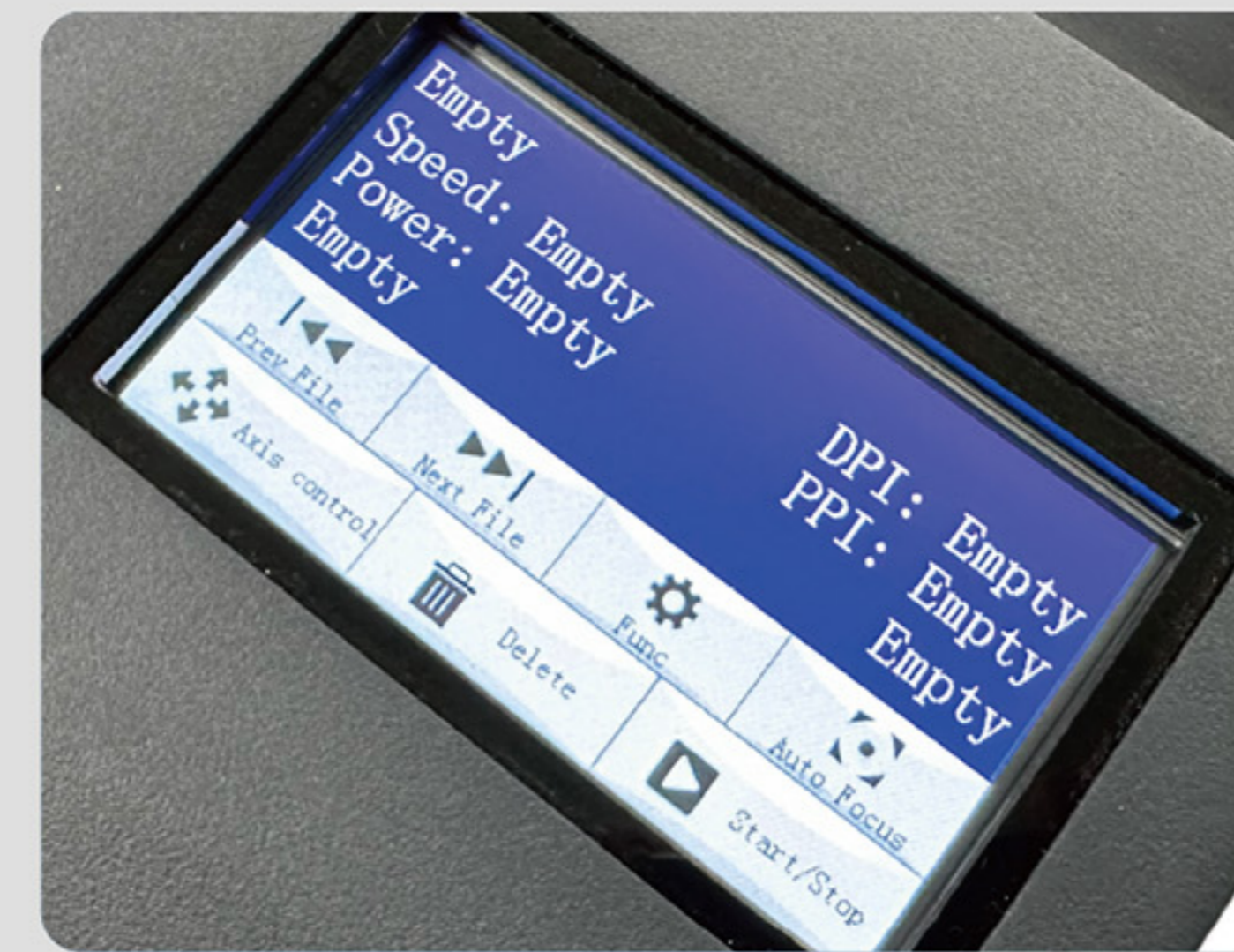US & Canada Only Toll Free: 1-888-284-5211

- 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
- Two laser sources, CO_2 laser and Fiber laser, are available.
- Reliable DuraGuide motion system with reinforced Kevlar belt delivers superb output quality
- Plug and play standard USB port for rapid data transmission
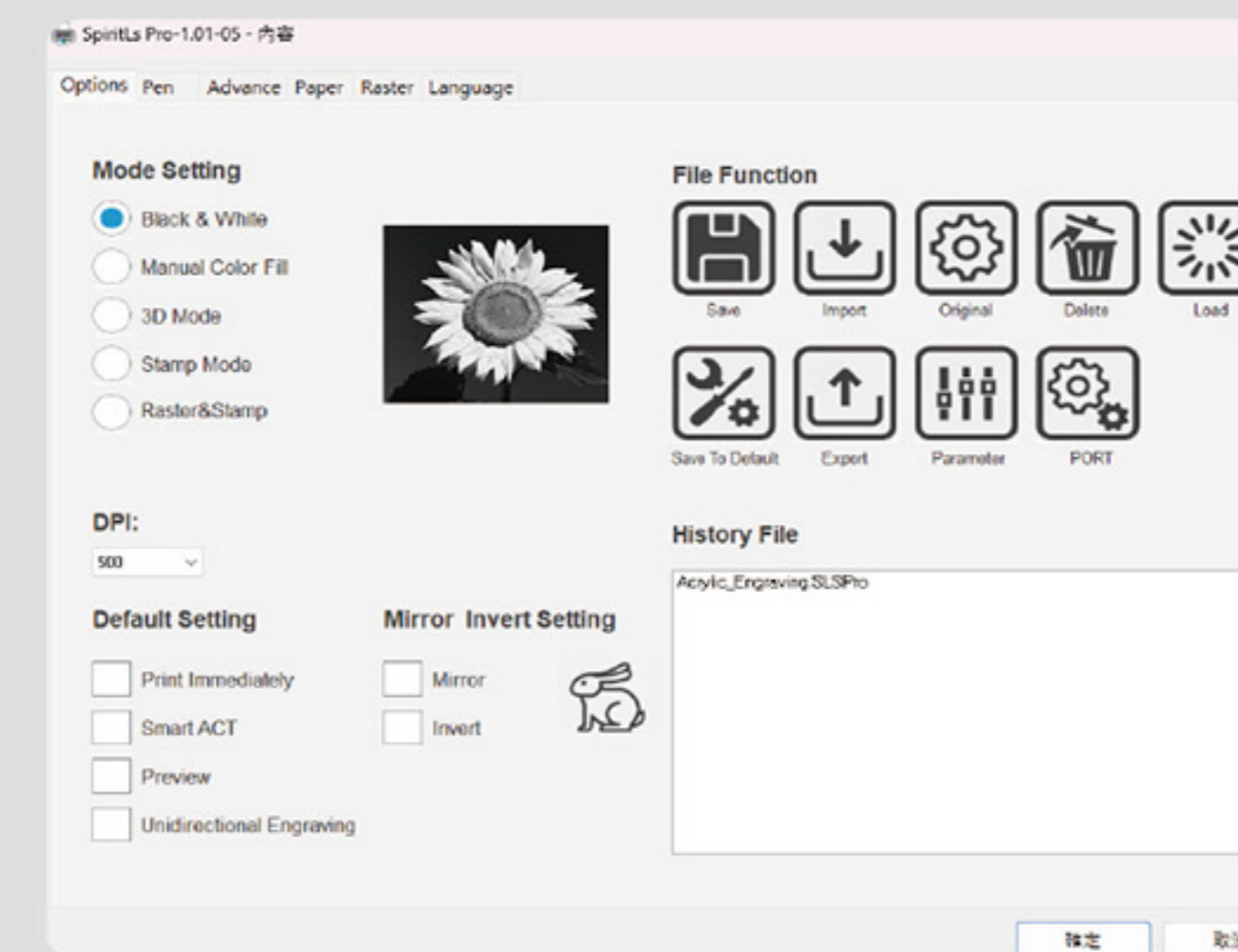- Patented SmartGUARD™ fire alarm device to provide maximum operation safety (optional)

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.
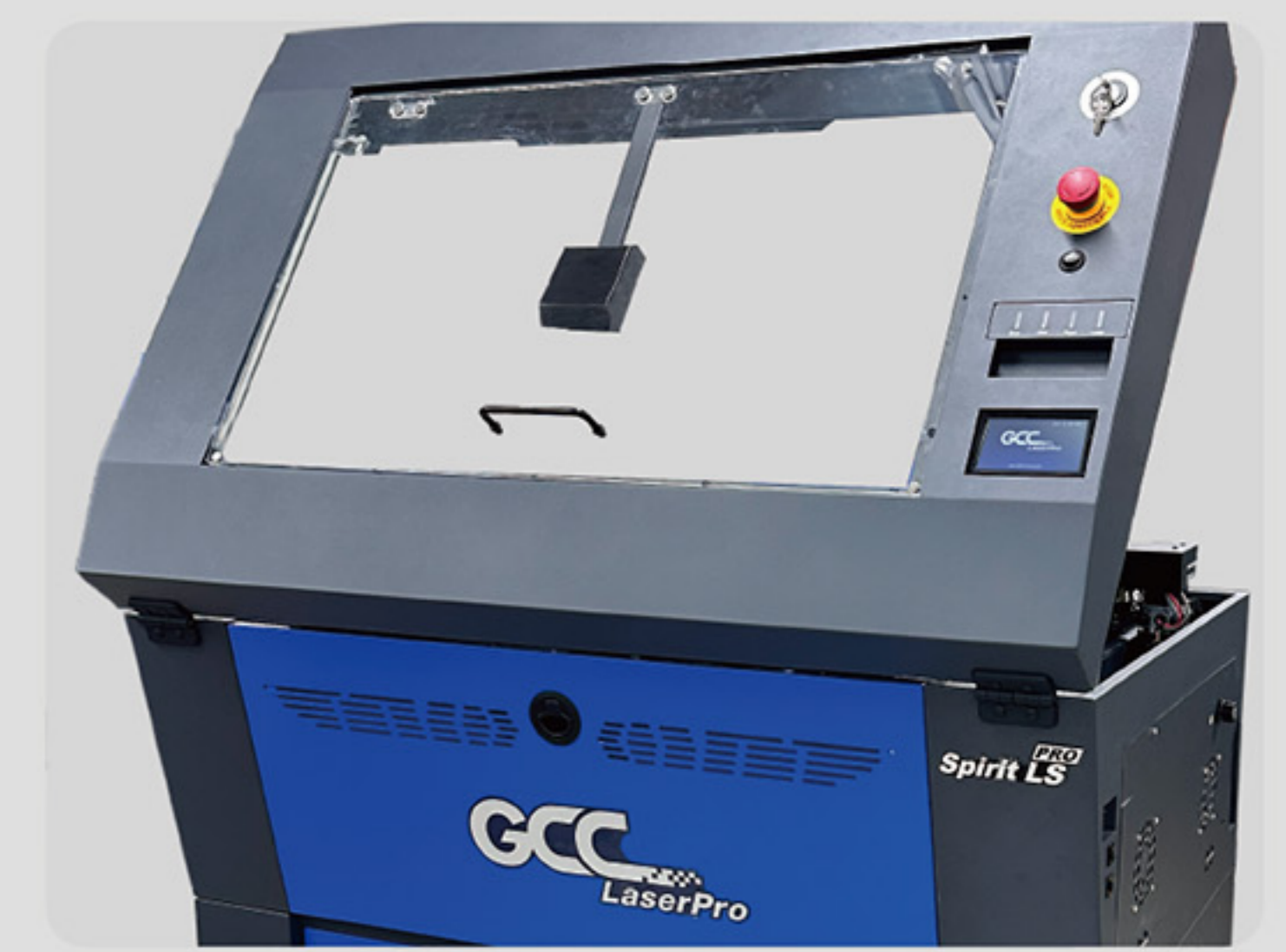
Easy to use 4" Touch Panel

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.
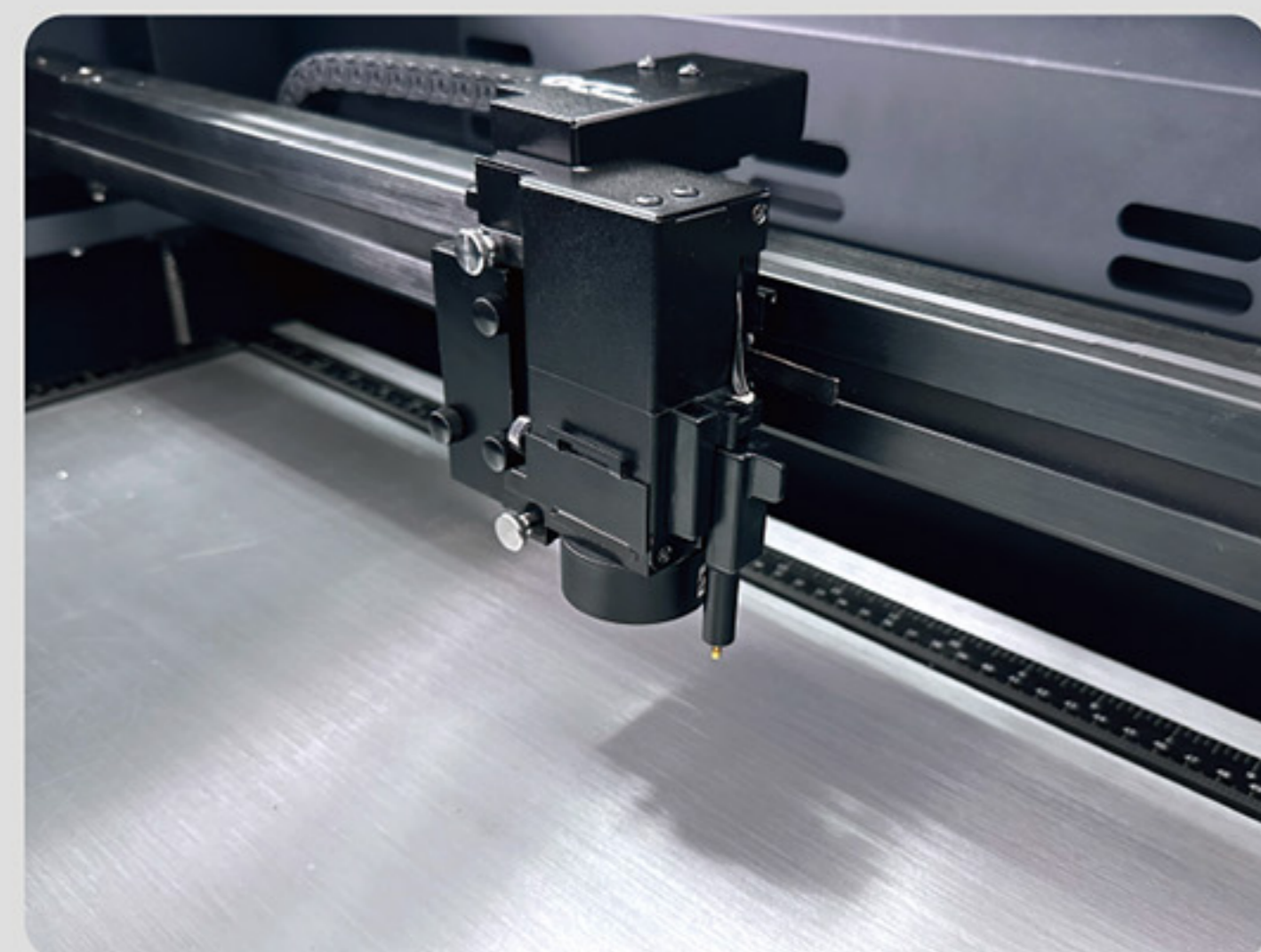
SmartLID™ (Patented)

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.

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.

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