Optional Items

SmartAIR Nozzle

Air Compressor Unit

Aluminum Grid / Honeycomb Table

Rotary Attachment / Rotary Chuck

SmartGUARD™ Fire Alarm (Patented)

Roll to Roll Autofeeder*

AAS Contour Cutting Device (Patented)*

Multi-purpose Integrated SmartBOX™

External Control Interface Board

Fume Extraction System

External Signal Indicator

* For CO2 laser only

Specification		Spirit GLS Hybrid
Work Area		34 x 24 in. (860 x 610 mm) Extendable to 38 x 24 in. (960 x 610 mm)
Max. Part Size (W x L x H)	All doors closed	39 x 25 x 7 in. (990 x 635 x 177 mm)
	All doors open	39 x ∞ x 7 in. (990 x ∞ x 177 mm)
Table Size		40.3 x 27.7 in. (1025 x 705 mm)
Dimensions		53.7 x 34.6 x 39.7 in. (1365 x 880 x 1010 mm)
Laser Source		Single CO_2 laser: 30 to 100W 10.6-µm/ 20W & 60W 9.3-µm sealed CO2 Laser
		Single Fiber laser: 20 / 30 / 50W fiber laser source
		10.6-µm CO_2 and Fiber dual laser tubes
Cooling		Air-cooled, Operating environment temperature 15°- 30°C (60°- 86°F)
Drive		Closed-loop DC servo control
Maximum Speed*		80 IPS
Throughput*		260.9 in^2 / hr (1683 cm^2 / hr)
Throughput* with SmartACT™ Enabled		322.1 in^2 / hr (2078 cm^2 / hr)
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		Single CO_2 laser: Standard 2.0", optional 1.5", 2.5", & 4.0" available
		Single Fiber laser: Standard 4.0", optional 2.0"
		Dual Lasers: Standard 3.0"
Resolution (DPI)		Available 125, 250, 300, 380, 500, 600, 760, 1000, 1500
Computer Interface		10 Base-T Ethernet, Full speed 2.0 USB
Compatible Operating Systems		MS Windows
Display Panel		4-line LCD display showing current file name, total working time, laser power, engraving speed, file(s) loaded into memory buffer, setup and diagnostic menus
Safety		Class I Laser Product Compliant with EN60825 Class 3R Laser Product Compliant with CDRH 2006/42/EC Machinery Directive Compliance
Operation Voltage		Below 80Watt, 100-240V AC Auto Switching; 80Watt and above, 200-240V AC Auto Switching
Power Consumption		800W- 3600W
Air Exhaust System		External exhaust system is required, one 4" connection on the back of the machine

• Speed does not equal to throughput. See dealer or visit www.GCCworld.com for more details.
• Original GLS maximum power consumption 4400W is not correct. It is fixed now by EE.
Δ Specifications are subject to change without prior notice.

RoHS · CE · Pb · SYNRAD

Authorized Dealer

DANGER
LASER RADIATION – AVOID DIRECT EYE EXPOSURE CLASS 3R LASER PRODUCT LASER DIODE 5mW MAX OUTPUT AT 630-680nm
► For single fiber laser and dual lasers configurations.

DANGER
LASER RADIATION – AVOID DIRECT EYE EXPOSURE CLASS 2 LASER PRODUCT LASER DIODE 0.9 mW MAX OUTPUT AT 640-660nm
► For single CO2 laser configuration.

www.GCCworld.com

GCC LaserPro

Laser Engraver

The Epitome of Excellence & Flexibility

GCC LaserPro
Spirit GLS Hybrid

Upgrade your business with CO_2 & Fiber Hybrid laser technology
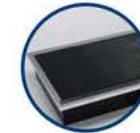
Spirit GLS Hybrid

• 38" x 24" (960 mm x 610 mm) extra large working area
• CO_2, Fiber, or dual lasers hybridized in one laser system
• QSM (Quality Speed Mode) maintains 100% engraving quality while operating at maximum speed
• Patented SmartACT™ motion control technology increases your productivity by reducing ramping process and job running time
• Drag and engrave feature assures remarkably easy and fast set-ups
• High speed DC motor runs up to 80IPS for precise and rapid movement of the laser carriage
• Reliable DuraGuide motion system with reinforced Kevlar belt delivers superb output quality
• Pass-through front and rear doors to accommodate long working pieces

GCC LaserPro

Drill Engrave   3D Engrave   Signage   Stone / Tile   Acrylic   Leather   Fabrics

Laser Engraver

GCC LaserPro Spirit GLS Hybrid

GCC LaserPro Spirit GLS Hybrid

The LaserPro Spirit GLS Hybrid is the flagship model of the award winning LaserPro Spirit line of laser engravers. In succession to GCC LaserPro worldwide accolades features, Spirit GLS Hybrid further upgrade its capability to CO_2 & Fiber Hybrid laser option in one system, engraving, cutting, marking on organic and metal pieces all possible now.

CO_2 & Fiber Hybrid Laser Option

GCC Hybrid technology allows to install CO_2 & Fiber dual lasers in one system to expand your business from organic materials processing to direct metal engraving.

Pass-through Front and Rear Doors

Convenient front and rear door design enables loading of extremely long working pieces.

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.
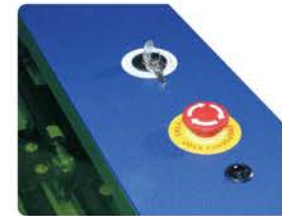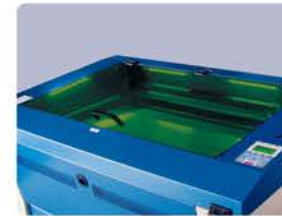
SmartPIN AutoFocus (Patented)

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.

SmartLIGHT

LED light modules illuminate the working area showing the progress and details of each job.

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.

SmartACT™ (Patented)

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

Innovative Software Features

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