



LaserPro Spirit is designed with the operator in mind and carrying various innovative features, reliable mechanics, and excellent output quality. LaserPro Spirit is the missing piece in your operations puzzle, putting you on track for continued growth in your engraving and cutting business!

Award:



Patent:



LaserPro provides many noticeable innovations on LaserPro laser engravers and we would like to introduce the patented SmartACT to you this time. SmartACT allows the laser to make a much shorter ramping process, reducing the job run time, and creating higher productivity by reducing unnecessary travel. SmartACT automatically separates the working area in to three parts when the laser carriage travels through the working object. The laser traveling speed and the laser output power are increased in the first part, keeping the same in the second part, and reduced in the third part. Consequently, every unit of the travel route obtains the same amount of laser output power. With SmartACT's special power control design, you will not need to reserve the blank edges on the working object for speeding up anymore. The small or full-plate working times are especially helpful. The job run time is cut down and the processing is accelerated. Try SmartACT function by setting it in your LaserPro laser engraver driver, and enjoy the productivity improvement, efficiencies increasing and the faster return on your investment.

Features:



RoHS Compliance

As a market leader and an environment-friendly product manufacturer, GCC is committed to

make all-out efforts to preserve the global environment. Our products are compliant with the European Parliament Directive 2002/95/EC, Restriction of Hazardous Substances(RoHS).



SmartLID

An innovative lid that opens from both ends allowing easier access and daily maintenance from the rear.



Drag & Engrave

An exceptionally innovative and user-friendly feature based on servomotor technology simplifies operations and shortens setup time. Simply hand drag the pen carriage to the desired position to be engraved and press the start button to commence job.



SmartACT (Patented)

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



SmartBOX (Patent Pending)

An innovative technology that integrates the ventilation box with a honeycomb table. The result is not only a precise cut with sharp edges, but also a clean laser table to work on.



SmartLIGHT

A light module that illuminates the working space and makes every engraving detail easy to see.



SmartMemory

SmartMemory allows you to save daily jobs into the engraver so that every morning your graphics are ready to go.



Pass-through Front/Rear Doors

A design with doors on both ends to accommodate extremely long working pieces without the need for a screwdriver.



Reliable Motion System

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



Emergency Stop

Big red button located on the top of the machine allows operators to stop the laser and the motion carriage immediately to provide highly safety operation.



Easy-to-use Panel

A user-friendly menu-driven interface system simplifies complex tasks. Hot keys design and job status display facilitate your work and make it clear and easy to carry out.



SmartPIN Auto Focus

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.

Specification

Spirit	
Work Area	25 x18 in. (640 x 460mm) Extendable to 29x18 in. (736 x 460 mm)
Maximum Part Size (W xL x H)	All doors closed 31.5 x 22.4 x 6.5 in. (800 x 570 x 165 mm)
	All doors open 26.8 x ∞ x 6.5 in. (680 x ∞ x 165 mm)
Table Size	31.1 x 20.9 in. (790 x 530 mm)
Dimensions	44.3 x 28.3 x 39.6 in. (1125 x 720 x 1005 mm)
Laser Source	12 to60 Watt Sealed CO ₂ Laser
Cooling	Air-cooled, Operating environment temperature 15° - 30°C (60° - 86°F)
Drive	Closed-loop DC Servo control
Throughput*	245.5 in ² / hr (1584 cm ² / hr)
Throughput* with SmartACT Enabled	283.4 in ² / hr (1828.8 cm ² / hr)

Speed Control	Adjustable from 0.1-100% of 60 IPS (Up to 16 color-linked speed settings per job)
Power Control	Available from 1~100% (UP to 16 colors linked power setting per job)
Distance Accuracy	0.254mm 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, 750, 1000
Computer Interface	Standard print port and USB port
Memory Buffer	32MB standard (Upgradeable to 64MB)
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 IIIR for red pointer
Electrical	Below 40W, 100-240V AC Auto Switching 40W and above, 200-240V AC Auto Switching
Power Consumption	700 W - 4400 W
Air Exhaust System	External exhaust system is required, one 4 in. connection on the back of the machine