

# LaserPro Spirit LS

Smart Innovative Evolution at Its Best



## ENGRAVING:

Wood  
Bamboo  
Plastic  
Glass  
Crystal  
Ceramic

Tile  
Marble  
Stone  
Shell  
Cork  
Leather

## MARKING:

Aluminum  
Coated Metal  
Stainless  
Brass

## CUTTING:

Acrylic  
Rubber  
MDF Board  
Cloth/Fabric  
Paper / Board  
Magnet

## APPLICATIONS:

Architectural Models  
Miniature Models  
Plaques/Trophies  
Rubber Stamps  
Toys

Signages  
Cut-out Letters / Logos  
Building Directories  
Display Stands  
Brochure Stands

Packaging  
Tags  
Spare Part Labels  
Bottle Labels  
Desktop Accessories

Customized Gift Items  
Keychains  
Cellphone Accessories  
Fashion Accessories  
Image Engraving

- Spacious 25"x18" (640 mm x 460 mm) working area
- Up to 80 IPS high working speed
- Patented SmartACT™ motion control technology for higher throughput
- Closed-loop DC servo motor for precised movement of 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
- Plug and play standard USB port for rapid data transmission
- Patented SmartGUARD™ fire alarm device to provide maximum operation safety

1. One year warranty for parts and services.  
( limited warranty on lens, mirror, honeycomb table and consumables.)
2. Free initial set-up, installation and training on machine operations and maintenance.
3. Prices subject to 12% EVAT.
4. Pictures and specs may slightly vary from actual unit.
5. Pictures, features, specs and prices subject to change without prior notice.
6. All rights reserved.

MEMBER:



 **Graficad Creation, Inc.**  
Sign Business Solutions & Innovations

www.grficad-inc.com  
sales@grficad-inc.com

Tel: +63 (2) 973-7042  
+63 (2) 771-1959  
+63 (2) 772-1378  
+63 (2) 772-1379  
Fax: +63 (2) 772-1380

Rm. 208 Richville Corporate Centre, 1314 Commerce Ave. Ext. Madrigal Business Park, Alabang, Muntinlupa City, 1770



Specification		Spirit LS
Work Area		25 x 18 in. (640 x 460 mm) Extendable to 29 x 18 in. (740 x 460 mm)
Max. Part Size (W x L 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 to 80W 10.6-μm sealed CO <sub>2</sub> Laser / 20W & 60W 9.3-μm sealed CO <sub>2</sub> Laser
Cooling		Air-cooled, Operating environment temperature 15°- 30°C (60°- 86°F)
Drive		Closed-loop DC servo control
Maximum Motor Speed		80 IPS**
Throughput*		260.9 in <sup>2</sup> / hr (1683 cm <sup>2</sup> / hr)
Throughput* with SmartACT™ Enabled		322.1 in <sup>2</sup> / hr (2078 cm <sup>2</sup> / 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)
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, 3000
Computer Interface		Standard printer port and USB 2.0** port
Compatible Operating Systems		MS Windows
Memory Buffer		32 MB standard
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 3R for red pointer
Operation Voltage		100~240 Volt AC Auto Switching for 30 Watt and below; 200~240 Volt AC Auto Switching for 40 Watt and above models
Power Consumption		700W - 4400W
Air Exhaust System		External exhaust system is required, one 4" connection on the back of the machine

## Spirit LS

12WATTS  
25WATTS  
30WATTS  
40WATTS  
60WATTS  
80WATTS  
100WATTS

## Optional Items

Item # 101-10P-005  
101-25P-001  
101-10P-002

Rotary Attachment  
Honeycomb  
Air Compressor



Air Compressor Unit



SmartGUARD™



Air Extraction System



SmartBOX™ Cutting Accessory



Rotary Attachment



SmartAIR Nozzle



External Signal Indicator



MEMBER:



www.graficad-inc.com  
sales@graficad-inc.com

Tel: +63 (2) 973-7042  
+63 (2) 771-1959  
+63 (2) 772-1378  
+63 (2) 772-1379  
Fax: +63 (2) 772-1380

Rm. 208 Richville Corporate Centre, 1314 Commerce Ave. Ext. Madrigal Business Park, Alabang, Muntinlupa City, 1770