

Specification

Spirit		
Work Area	25 x 18 in. (640 x 460 mm) Extendable to 29 x 18 in. (736 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 60W 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	Adjustable from 1-100% (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	
Computer Interface	Standard printer port and USB port	
Compatible Operating Systems	MS Windows, MAC OS	
Memory Buffer	32 MB standard (Upgradeable to 64 MB)	
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	
Electrical	100-240 Volt AC Auto Switching for 30Watt and below; 200-240 Volt AC Auto Switching for 40Watt and above models	
Power Consumption	700W - 4400W	
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.laserpro.com for more details.

Optional Items



Rotary Attachment



SmartAir Nozzle



SmartGUARD™



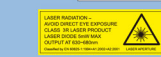
SmartBOX™ Cutting Accessory



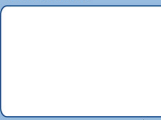
Air Compressor Unit



Air Extrusion System



Authorized Dealer

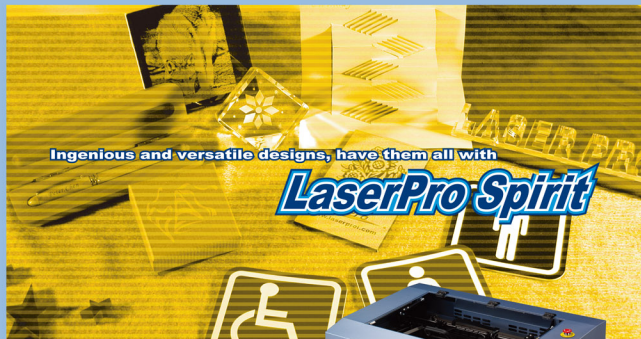


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LaserPro®
www.laserpro.com



- ▶ 25" x 18" (640 X 460 mm) working area
- ▶ 60 IPS high working speed
- ▶ Patented SmartACT™ motion control technology innovation to reduce ramping and shorten running time
- ▶ Plug-and-play standard USB port for rapid data transmission
- ▶ Closed-loop DC servo motor for precise movement of laser carriage
- ▶ Patented SmartGUARD™ fire alarm device to provide maximum operation safety
- ▶ Pass-through front and rear doors to accommodate long working pieces
- ▶ LaserPro DirectPrint MAC AI Plug-in available for use with MAC OS
- ▶ TrueImage (patent pending) features to assure homogeneous engraving output



Laser Engraver

LaserPro®
www.laserpro.com



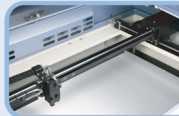
SmartACT™

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



Easy-to-use Panel

A control 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.



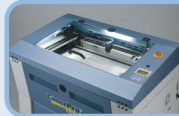
Reliable Motion System

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 a highly safe operational environment.



SmartLIGHT

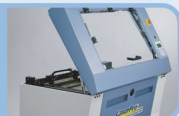
A light module that illuminates the working space and makes every engraving detail easy to see.



Pass-through Front/Rear Doors
 Convenient front and rear door design enables loading of extremely long working pieces.

SmartLID™

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



SmartBOX™

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.



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.



SmartMEMORY

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



LaserPro Spirit



Anodized Metal



Signage



Stone/ Tile



Acrylic



Leather



Textile/ Apparel

Laser Engraver