

Specification		Gaia II		
		GAII-5106	GAII-5110	GAII-5120
Laser Source		60W	100W	200W
		Sealed CO <sub>2</sub> Laser		
Cooling		Air-cooled		Water-cooled
Work Area		50.7 x 36.1 in. (1290 x 916 mm)		
Max. Part Size (W x L x H)	Normal	50.7 x 36.1 x 2.3 in. (1290 x 916 x 60 mm)		
	With SmartEXT	50.7 x ∞ x 1 in. (1290 x ∞ x 25 mm)		
	With Honeycomb	48.8 x 32.2 x 1.0 in. (1240 x 818 x 25 mm) / (With Sink-in Honeycomb Table)		
Dimensions		71.6 x 49.2 x 52.3 in. (1820 x 1250 x 1330 mm)		
Weight		420 kg / 924 lb		440 kg / 968 lb
Drive		AC Servo Control		
Maximum Speed*		30 IPS		
Throughput (SIPH-Square Inch Per Hour)		133.2 in <sup>2</sup> /hr (864.2 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 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		Manual		
Focus Lens		Standard 4.0", optional 2.0" available		
Resolution (DPI)		Available 125, 250, 300, 500, 600, 1000		
Computer Interface		Standard printer port and USB port		
Memory Buffer		32MB standard		
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 3R for red pointer		
Cutting Table		Knife-shaped cutting table with collecting tray		
Facility Requirements				
Electrical		AC220V/15A	AC220V/20A	AC220V/20A
Power Consumption		3300W	4400W	4400W
Air Extraction System		External exhaust system required to connect to 8-inch opening on machine (Air volume) (free flow 1400 m <sup>3</sup> /h, static pressure 2700 pa)		
Air Compressor		Air compressor required		

\* Speed is not equal to throughput. See dealer or visit [www.laserproi.com](http://www.laserproi.com) for more details.

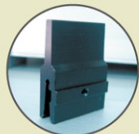
#### Optional Items



SmartGUARD™



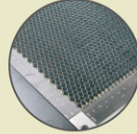
AAS Contour Cutting Device



Supporting Pin Kit



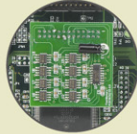
Air Extraction System



Honeycomb Table



Water Chiller



SmartMEMORY™



Authorized Dealer



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**LaserPro®**  
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The Best Laser Cutting System Born for Professionals

**LaserPro Gaia II**

with handy engraving capability



Developed on the basis of LaserPro's accumulated technology and innovation in past years, LaserPro laser cutting system is a dedicated design to fulfill your cutting and engraving needs.

- ▶ 50" x 36" (1290 x 916 mm) working area
- ▶ Adjustable acceleration enables higher productivity
- ▶ AC Servo Motor Technology for precise movement control
- ▶ Laser Pulsing Technology for accurate laser firing control
- ▶ AAS Module performs automatic graphic contour tracking task
- ▶ Excellent engraving quality
- ▶ Easy maintenance

Laser Cutting System

## LaserPro Cutting System — with handy engraving capability

**Gaia II**

The LaserPro Gaia II is designed and engineered for professional use ever since the beginning. Do not be fooled by the label of laser cutting system that is placed on the Gaia II, in fact the Gaia II is capable of exceptional engraving quality which separates it from the other laser cutting systems on the market. With a series of user-definable features and reserved extension slots for customization, the Gaia II is the most flexible and user-friendly laser cutting system on the market today.



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#### User Friendly

##### SmartPOINT Positioning Device

(Patent Pending)

Material positioning made extremely easy by use of 4 red beam diodes. Simply aim each red beam diodes at distinct points on the material and the red beam becomes a very useful positioning tool to replicate previous jobs precisely.



##### Knife-shaped Cutting Table

Unique cutting table with tipped bars that can be easily adjusted without tools to create different levels of working depths. The cutting table of Gaia II reduces laser reflections and delivers clear cutting edge.



##### SmartLID Easy Access

Easy access design simplifies maintenance jobs and material loading. Interlock safety design prevents laser firing while the covers are not properly closed and ensures a safe working condition.

##### QuickALIGN Remote Control

(Patent Pending)

QuickALIGN helps you to adjust the beam alignment easily through the user friendly design of remote control. Beam alignment will become much easier with this unique QuickALIGN design. Save time on adjustment, gain more time on operation.



##### LED Light Illumination System

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



##### AAS Contour Cutting Device

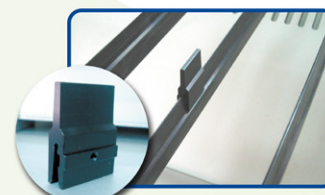
(Patent Pending)

Developed by LaserPro, AAS is an exceptionally user-friendly operation which offers accurate and faultless contour cutting by automatically tracking the position of graphics.



##### Supporting Pin Kit

This design can firmly hold up the working object preventing it from falling off; moreover, it can effectively reduce the possibility of the reflected laser hitting the working object.



#### Reliability



##### AC Servo Motor

A motor of high torque, high speed and high caliber works perfectly with the high demands of LaserPro Gaia II. The state of the art in AC Servo Motor design assures long motor lifetime and high precision.



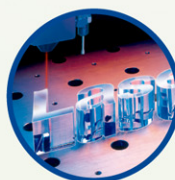
##### Unique Motion Guide

A unique motion guide is designed specially for Gaia II by adopting a light weight and high strength structure, together with AC servo motor to provide first class stability and accuracy.

#### Application



• Wood Cutting



• Acrylic Cutting



• Engraving



• Marble 3D Engraving

#### Productivity & Quality

##### Outstanding Cutting Capability

Gaia II delivers high cutting quality with LaserPro's unique laser firing control technology. Up to 200W output power options, LaserPro Gaia II can cut through 1" (25 mm) acrylic in a single pass with a smooth finish and unmatched clear cutting edge.



##### Superior Engraving Quality

Gaia II persists with GCC LaserPro's excellent engraving capability. Having cutting and engraving capability in one product, no more time wasted on switching materials from cutting and engraving machine. Compare to conventional cutting product. It is difficult to have a good and consistent raster performance with large working area, but Gaia II can.

