

Specification

Explorer II		E-30	E-40	E-60	E-100
Laser Source		30W	40W	60W	100W
Cooling		Sealed CO ₂ laser			
Work Area		32" x 20" (812mm x 508mm) extendable to 38" x 20" (965mm x 508mm)			
Max. Part Size (W x L x H)	All doors closed	40.5" x 22.8" x 6.5" (1030mm x 580mm x 165mm)			
	All doors open	39" x ∞ x 6.3" (990mm x ∞ x 160mm)			
Table Size		40.5" x 22.8" (1030mm x 580mm)			
Dimensions		50.4" x 28.5" x 38.5" (1280mm x 725mm x 980mm)			
Drive		DC Servo Control			
Throughput*		256.2 in ² / hr (1653.1 cm ² / hr)			
Throughput* Enable SmartACT		325.1 in ² / hr (2097.1 cm ² / hr)			
Speed Control		Adjustable from 0.1~100% of 80 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)			
Z - Axis Movement		Automatic			
Resolution (DPI)		Available 125, 250, 300, 380, 500, 600, 750, 1000			
Computer Interface		Standard printer port and USB port			
Memory Buffer		32MB standard			
Lens		Standard 2" focal lens in enclosed lens carriage (Optional 1.5", 2.5", 4.0" lenses available)			
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			
Facility Requirements					
Electrical		Below 60Watt, 100~240 Volt AC Auto Switching; Above 60Watt 200~240 Volt AC Auto Switching			
Power Consumption		2000W	2500W	3300W	4400W
Air Exhaust System		External exhaust system required, one 4" connection on the back of the machine.			

*Throughput value represents the Max. number of 8" x 10" 500DPI raster jobs that can be done per hour.

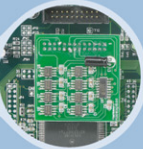
Optional Items



Rotary Attachment



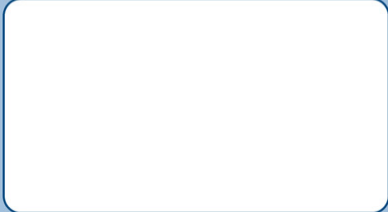
Dual-Head



SmartMEMORY™ Module



Authorized Dealer



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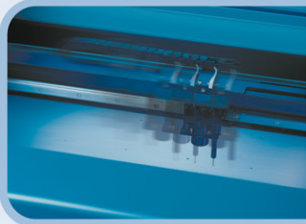


- ▶ A 38" x 20" (965.2mm x 508 mm) extended work area allows for oversized tasks
- ▶ Up to 80 IPS operating speed
- ▶ Patented SmartACT™ motion control technology increases productivity by reducing the ramping process and cycle times
- ▶ QSM technology maintains 100% engraving quality while operating at maximum speeds
- ▶ DC servo motor for precise rapid movement of the laser carriage
- ▶ XY Origin Repositioning, Save and Recall functions facilitate job efficiency
- ▶ Pass-through front and rear doors accommodate for exceedingly lengthy objects.

Laser Engraver



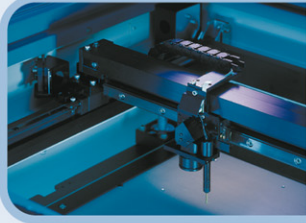
Engraving speeds and quality are typically inversely-correlated. The Explorer II's QSM (Quality-Speed-Management) technology redefines the correlation between speed and quality, allowing users to work at maximum speed without compromising output quality. Innovative SmartACT™ and dual-head technology allow you to boost your production rate up to 200%; fulfilling large work orders will never be the same.



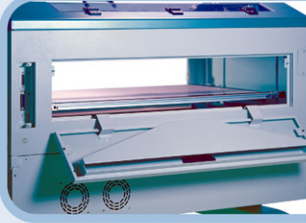
SmartACT™ Motion Control Technology
State-of-the-art carriage motion and laser control technology shortens the ramping process by cutting down the distance traveled in each raster pass. This shorter distance traveled translates into shorter cycle times and higher productivity. Enabling SmartACT™, increases the engraving area to 38" x 20" (965 mm x 508 mm).



Low Maintenance Motion System
The Explorer II's superior linear motion system maximizes stability while the laser carriage is in motion. A slide carriage with stainless-steel ball-bearings riding on a solidly-constructed, stainless-steel linear rail provides years of high quality output with minimal maintenance.



Auto Focus Gauge
The Explorer II comes standard with a patented auto focus gauge that instantaneously calculates the precise distance between the laser optical lens and working surface. Simply push a button and the auto focus technology will eliminate any human-error in tasks when the sharpest, finest, and most accurate output is required.



SmartEXT™ Pass-through Doors
Pass-through, front and rear doors accommodate for exceedingly lengthy objects. Both doors are easily accessible without the need for additional tools.

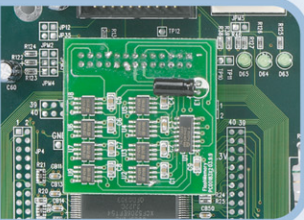


LaserPro Explorer II

Built-in USB Port
The Explorer II offers a flexible and time-conserving USB port for high-speed data transmission.



SmartMEMORY™ Module (Optional)
Easily save and recall your unfinished tasks, without having to retransmit your image and laser settings from the computer. The SmartMEMORY™ module is removable for convenient job transfer from one machine to another.



Graphic-based Control Panel
A user-friendly, menu-driven interface system simplifies complex tasks. Function cycling and selection are convenient through a graphic control panel and directional scrolling buttons.



SmartAIR™ Adjustable Nozzle
The rotary air-assist blower minimizes flaming and suppresses working temperatures when engraving or carving. Blow delay, direction, and power of the blower can be adjusted in conjunction with the application and working material to obtain the best results.



Application



Anodized Metal



Signage



Stone / Tile



Acrylic



3D-Engraving



Textile / Apparel

Laser Engraver