

SL-3020G Laser Circuit Board Cutting System



CUT YOUR BOARDS WITH A BEAM OF LIGHT!

The SL-3020G is a programmable laser system designed to cut printed circuit boards. A special digital laser is used to perform the cutting or perforating operation in conjunction with the high performance flying optics motion system. This means your boards remain stationary throughout the entire operation. The laser tube incorporates exclusive and proprietary optics to minimize spherical aberration. This results in superior edge cutting of circuit boards without the inherent charring effect, which is common with other types of lasers.

The SL-3020G also features our unique vector velocity control system. Meaning that the laser output is directly proportional to the accel/decel ramping of the motion system. This results in high definition, razor sharp cutting. The generous 30" x 20" machine travel area accommodates a large size range of parts, pallets and conveyors. A built-in auto-focus automatically sets the laser beam focal distance to the substrate with just a click of a button. Set-up and changeover are a snap. And retooling now means just loading a different file. *It really is that simple!*



Ready For Production

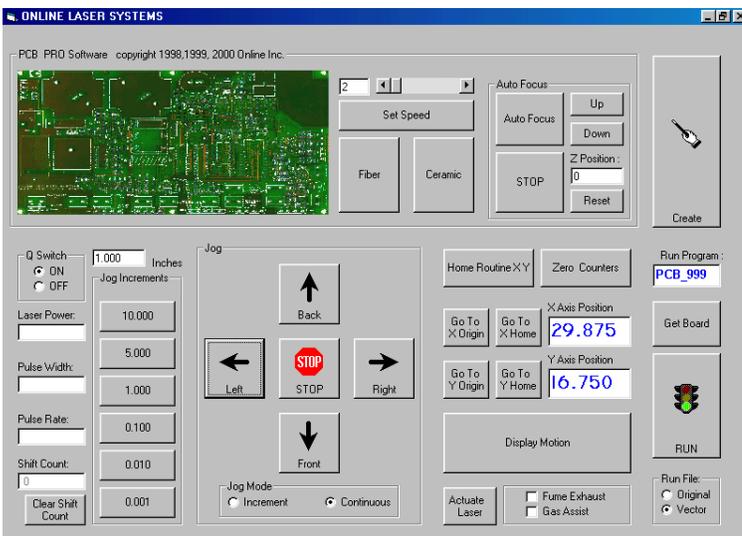
The only laser PCB cutting system with autofocus beam capability, integrated honeycomb vacuum table and fume extraction system, large easy-access retracting door for loading parts from top or front, additional inputs/outputs for controlling peripheral devices.



EASE OF OPERATION . . .

Our PCB Pro software will give you complete control with just point and click operation. The actual cutting path may be "drawn" on your favorite CAD or graphics program, then imported into our software with no programming experience required! A software property section will give you full control of the laser power, energy per pulse, optional gas assist and other external events. You may even draw your motion path using different colors, then select speeds and laser settings independent for each color. Built in text generator provides marking, serializing, etc.

External events can easily be monitored and controlled with the onboard inputs/outputs directly through the software. This makes it the ideal choice for both high-volume production or prototyping in the R&D lab.



CNC-type Machine Control

The embedded software package will allow you to set origins, jog the machine, and load files with just a click of a mouse. Furthermore, this system means no external PC is required for programming or operation.



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