



## **Worldwide Laser Introduces New Applications for LP8000 Co2 Laser Systems for Laser Marking and Laser Cutting**

*Worldwide Laser's product line, LP8000 Series Co2 Laser Systems, for laser marking and laser cutting includes laser tube, galvo or fixed beam delivery system head, laser controller software, & a rack mountable power supply and can be sold as a standalone unit or full turnkey laser easily integrated into existing equipment or production assembly lines.*

Gilbert, AZ ([PRWEB](#)) May 12, 2009 -- [LP8000 Series Co2 Lasers](#) and [complete laser cutting systems](#) from Worldwide Laser

Let the laser system engineers at Worldwide Laser design, build and install the proper laser marking and laser cutting system for your operations.

Pictures (Attached Right) include  
Complete LP8000 Series  
Lasers from 20 watts to  
80 watt LP8000 Series

LP8010 10 watt Co2 lasers in  
production during assembly

In background LP2000  
Series T.E.A. lasers refurbished

LP8010 10 Watt Co2 laser

LP8000 series power supplies  
in final production checks

LP8100 watt 100 Co2 configured for laser cutting

These pictures show part of the laser assembly process at Worldwide Laser for our product line, the LP8000 series of Co2 lasers, which features Co2 laser marking and Co2 laser cutting systems that are ready for installation and integration into existing equipment or assembly lines. The LP8000 series of [Co2 laser systems](#) from Worldwide Laser is complete with the laser tube, galvo or fixed beam delivery system head, laser controller software, and a rack mountable power supply. The LP8000 series Co2 laser system power supply has eight standard inputs and outputs including external control signals such as trigger, laser firing, standby, ready, busy, part in place, programmable logic controllers (PLC's), and other laser complete signals to interface with the laser. The power supply can accommodate an additional 8 input and outputs if needed. The power supply accepts voltages from 3 volts to 32 volts and converts the input voltage to 5 volts for the laser interface so most if not all

production equipment can interface with the power supply. Several end users have automatic laser marking or laser cutting file selection via the power supply inputs with binary tags allowing for over 2,000 laser files to be stored and chosen automatically without human operator interface.

Give us a call and let us design and install the proper laser system on your production lines. Worldwide Laser has laser installation engineers on staff to work with your parts in our applications lab for verification of the laser marking and laser cutting process and to expertly install and train staff at your facility for running the LP8000 series of Co2 lasers. The LP8000 series of Co2 lasers from Worldwide Laser can be run with computer system attached or without a computer using the Worldwide Laser Zap-Along feature which allows the laser to fire from a simple click of a button. Contact the laser experts at Worldwide Laser Voice 480.892.8566 option 5 or Fax 480.497.9661 or visit [www.wlsc.com](http://www.wlsc.com).

The LP8050 50 watt Co2 laser system is combined with custom tape feeder and interface software package (picture attached right)

This application (above) features a 50 watt Co2 laser from the LP8000 series of Co2 lasers, the laser is set on a welded frame with 24" x 24" work area table top, the system features a tape handler system designed and built by Worldwide Laser System Division, the feeder system can accommodate different sizes of tape (fabric, labels, metalized tags, etc) which can be indexed under or feed continuously under the laser beam for marking, kiss cutting, or as in the pictured application thru cutting. This LP8050 laser tape cutting system also features a custom user interface software program which allows the operator to schedule of series of jobs for continuous execution without any human interface in the laser job selection process. The system can be enclosed completely in Class I enclosure or in an open beam class IV configuration as required by your factory or company operations.

Let the laser system division of Worldwide Laser design, build, and install a laser system to automate your production process. At Worldwide Laser we know lasers.

This system is an LP8100 100 watt Co2 laser cutting system for cutting thick molded glass filled plastic (picture attached right)

This application (above) is an LP8100 100 watt Co2 [laser cutting](#) system for cutting thick molded plastic, the end user was suffering a high rejection rate on products during final inspection as the mechanical punch process for punching holes in a thick molded glass filled plastic product was creating stress cracks. The engineers in the systems division of Worldwide Laser were able to eliminate the production problem and greatly reduce (as in almost eliminate) the rejection of products due to stress cracks. The laser system consists of a 100w Co2 laser coupled with Worldwide Laser Gavlo beam delivery system and laser controller software. The system also included a welded frame, a stand for the laser, and a second welded frame stand for the customer mold. The part is placed on the mold and then laser cut. The system includes a nitrogen gas bottle for cutting assist and a fume debris extraction system to eliminate the debris caused by the laser cutting process.

Let the laser system experts at Worldwide Laser System Division design build and install the correct laser system to help eliminate any production process issues or problems at your facility.

At Worldwide Laser we know lasers.



#### About Worldwide Laser

Worldwide Laser headquartered in Gilbert Arizona and founded in July of 1986 builds laser cutting, laser marking, and laser etching systems; types of systems are Co2, YAG, Fiber and UV. Worldwide Laser systems have wavelengths of 9300 and 10600 nm for Co2 1064 nm for YAG 1067 nm for Fiber and 355 nm for UV. Worldwide Laser systems are either galvo head or fixed beam systems. The lasers start at 10 watts up to 500 watts and can cut, mark and etch almost any product.

Worldwide Laser is one of the only remaining manufacturers of T.E.A. mask Co2 series lasers (The LP2000 Series) which can be driven either by spark gaps or thyratrons . In the mask T.E.A. business Worldwide Laser is one of the leading suppliers for new and refurbished parts or beam delivery components for Lumonics Laser Mark Series and also for refurbished Lumonics Laser Mark lasers. Co2 lasers from Worldwide Laser either sealed beam or T.E.A. Co2 can be utilized for high speed high quality laser marking or laser cutting.

Worldwide Laser provides the laser for integration into existing equipment/production lines or can design and build a complete turn key laser system to meet your company requirements.

Worldwide Laser has customers and offices in 12 countries on 3 continents in addition to the United States and a full range of product handling systems with technical support staff and installation engineers.

Worldwide Laser offers custom laser controller software & laser consulting for our Co2, YAG, Fiber, & UV laser systems. For more information about Worldwide Laser call 480.892.8566 option 5 or visit our web site [www.wlsc.com](http://www.wlsc.com) or e-mail [info@wlsc.com](mailto:info@wlsc.com)

###

**Contact Information****RONALD ANDERSON**

Worldwide Laser Service Corporation

<http://www.wlsc.com>

480 892-8566

**Online Web 2.0 Version**You can read the online version of this press release [here](#).**PRWebPodcast Available**[Listen to Podcast MP3](#) [Listen to Podcast iTunes](#) [Listen to Podcast OGG](#)