

## Worldwide Laser Demonstrates the New LP8000 Series Co2 Laser Cutting Systems

*Worldwide Laser introduces laser cutting applications for laser cutting rubber hoses, foam cups, and leather using the new LP8000 Series Co2 Laser Cutting System.*

Gilbert, AZ ([PRWEB](#)) June 10, 2009 -- Worldwide Laser Demonstrates the new LP8000 Series Laser Cutting Systems -- read about laser cutting rubber and radiator hoses, foam cups, and leather with LP8000 series Co2 [laser cutting systems](#) from Worldwide Laser.

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Worldwide Laser offers the option to lease our laser cutting systems or any laser system for an online application follow this link- <http://www.paramountfinance.com/applications/worldwidelaser.php>

Let the laser experts at Worldwide Laser design, build, and install the correct laser cutting system for your operations. Give us a call at 480.4892.8566 option 5 or fax to 480.497.9661. At Worldwide Laser We Know Lasers!

(Pictures Attached Right)

Laser cutting rubber hose and rubber pad, laser cut plastic, Laser cut foam cup and laser cut foam plate, laser cut leather.

The LP8000 Series of Co2 lasers from Worldwide Laser are the ideal solution for cutting a wide range of products including wood, plastic, glass, anodized aluminum, acrylic, plastic, foam, cloth, and paper. These [laser cutting systems](#) allow for non-contact cutting of products and provide a fast easy reliable method for cutting and trimming. Laser cutting systems are perfectly suited for product that is held stationary or for product that moves along an assembly or production line for cutting on the fly. Worldwide Laser manufactures laser cutting systems and they can be coupled with hi-speed galvo heads, on the fly laser controller software or with speedy highly accurate x-y tables, robots, rotary fixtures, or other product handlers. Over the past 23 years Worldwide Laser has assisted a wide range of customers in many diverse industries with laser cutting requirements. Please enjoy reading about a few of those applications below:

The first application introduces laser cutting rubber in which we use an LP8050 50 watt Co2 [laser cutting system](#) to trim the edge of radiator hose. The laser is a 50 watt air-cooled Co2 laser cutting system with Worldwide Laser fixed beam delivery and custom laser controller software called Zap-IT. The laser in this case is stationary and the hose is rotated around using a rotary fixture which allows the laser to stay in focus and produce solid precise results. The use of laser cutting in this application provides many cost saving advantages to the end user by reducing scrap rates, eliminating mechanical cutting systems that can crush the hose which may require replacement parts and sharpening. Also additional cost savings are achieved thru elimination of re-tooling required by mechanical cutting systems when different size hoses are presented for cutting.

In the second application, an LP8050 50 watt Co2 [laser cutting system](#) was used to cut out the rubber boots from a pad. The laser cutting system utilized a 50 watt air-cooled Co2 laser with a hi-speed galvo head and laser controller software. The laser cutting system has a laser spot size small enough to cut the parts out of the pad completely without cutting into the next part on the pad. The use of Worldwide Laser's Co2 laser cutting system for this application provides significant advantages to the production process as die or punch cutters can be eliminated significantly reducing customer scrap rates and expenses related to maintenance and replacement.

In the third application, an LP8020 20 Watt Co2 laser was used to cut the top off a foam container. The [laser cutting system](#) is an air-cooled Co2 laser with a fixed beam and x-y table to move the product with laser controller software from Worldwide Laser. The advantages for the production process are: increased speed for the lid cutting, no scrap of the parts caused by tearing or shredding of the foam from dull blades or cutting knives, no scrap caused by misplaced or misaligned cuts from a mechanical cutting process as the accuracy and repeatability of the laser cutting system is extremely precise and accurate +/- one micron. All these features combined provided for a significant cost savings to the customer and a greatly improved manufacturing process.

This next application is for laser cutting plastic. The plastic sheet is laser cut with a 60 watt Co2 air-cooled laser, Worldwide Laser fixed beam delivery, and an x-y table coupled with laser controller software from Worldwide Laser. The laser cutting of this product replaced a mechanical punch and had immediate beneficial effects on the customers operations. The effects included eliminating costly mechanical punches along with the labor costs and lost production time associated with change overs resulting from changing cutting patterns or when the thickness of the products varies.

In the final application today we talk about laser cutting leather which again provides significant advantages to the traditional methods of blades or punch press cutting. A LP8030 30 watt Co2 laser was used to cut leather. This laser cutting system utilized a 30 watt Co2 air-cooled laser with Worldwide Laser fixed beam delivery and laser controller software. The advantages to the customer generated from the laser cutting system are significant among them are:

- Significantly reduced waste as the laser cutting system provides for exact positioning of the cut and complete repeatability of the cut without any need to adjust mechanical cutting press or sharpen blades
- Increased plant efficiency and reduced production costs as the speed of the laser cutting system increases thru put and the laser cutting system requires no expense for maintenance or parts after purchase for up to 5 years or 30,000 hours of operation
- The laser cutting system provides the ability to change the cutting pattern with a simple click and drag command of the computer. This eliminates the need for expensive change over and retooling each time a different cutting pattern is required or thickness of the leather being cut changes saving thousands of dollars in expense related to parts and production time

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Worldwide Laser also supplies refurbished TEA Mask Lasers and can provide new and used parts, repairs, and service for the LUMONICS series 920 to 960 Laser Mark 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 website [www.wlsc.com](http://www.wlsc.com).

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