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Laser Welder for Automotive Electronics

August *2008*, *Tualatin, OR* – LPKF Laser & Electronics is introducing the **LQ-Power -** a stand-alone, off-the-shelf laser plastic welding system for electronic enclosures and sensor housings primarily used in the automotive industry. Laser plastic welding can provide superior weld quality and higher yield compared to traditional technologies such as ultrasonic or vibrational welding. The system is now available with 30-600W laser power and adheres to a Class I laser safety rating. It also features real-time quality control and data logging of the welding process for each part.

The **LQ-Power** laser plastic welding systems comes with a rotary table for manual or automatic material feeding and can be loaded and unloaded during a welding cycle. The maximum part size is limited to 9" x 9". Standardized fixture adapters reduce typical changeover time for re-tooling to less than ten minutes. Integrated cooling improves cycle time, and measurement of the melt collapse records the quality of the welding process in real-time. Online burn detection and thermal imaging are also available to ensure the highest yields.

LPKF Laser & Electronics is a Germany based laser system manufacturer. Its laser welding division is focused primarily on automotive and medical applications. LPKF's North American headquarters is located in Portland, OR with offices in Detroit, MI. More information is available at LPKF's web site: www.lpkfusa.com

Download this high resolution image of the PRODUCT at:

www.lpkfusa.com/images/lq_power.jpg ***www.lpkfusa.com/images/lq_process.jpg***

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