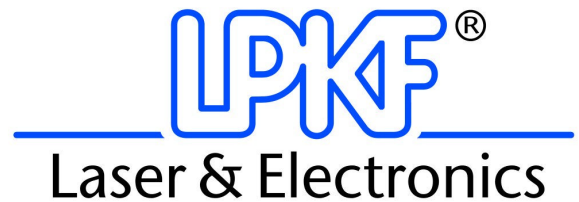


FOR IMMEDIATE RELEASE

For More Information
Contact: Mindy Casebeer
12555 SW Leveton Dr.
Tualatin, OR 97062
Telephone: 503.454.4212
Fax: 503.682.7151
Email: mcasebeer@lpkfusa.com



High Speed Punching of Stencils

LPKF Laser Shoots 680,000 Circular Holes Per Hour

March 2009, Garbsen, Germany – LPKF Laser & Electronics AG recently demonstrated “punching” with the use of a specially equipped IR laser. The laser can punch more than half a million holes in a stencil film with excellent hole geometries. In a specific application tiny holes with diameters of 30 µm are packed together extremely closely on the 30-µm-thick stainless steel stencil. At least 200,000 holes are needed to guarantee the required function: the stencil acts as a membrane between two fluidic zones.

“To satisfy this challenging demand, we specially tuned one of our top systems. We are convinced that punching 680,000 holes an hour is an absolute world record.” says Florian Roick, a product manager at LPKF who attributes the high performance to three key factors: LPKF has years of experience developing high quality laser systems, has established an enormous knowledge base about laser micro-material processing. The company utilized in-house, specialized software development and custom beam delivery systems to raise the efficiency of the entire system to this high level. These factors also play a major part in stencil cutting machines boasting previously unattainable productivity.

About LPKF Laser & Electronics AG

LPKF Laser & Electronics AG is a German company producing machines and laser systems used in electronics production, the automotive industry and the manufacture of solar cells. Around 20 percent of its employees are involved in research and development. LPKF supplies quality of the highest standard at an excellent price/performance ratio. For more information, visit: www.lpkf.com.

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