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**LPKF introduces multipurpose UV laser processing system for nearly any application**

**TUALATIN, OR — February 2012** — The ProtoLaser U3 is a versatile laser designed for use in any electronic R&D lab. The versatility of this small UV laser system is unique not only due to the wide breadth of applications it is capable of, but also because of the wide variety of material substrates it can process. From cutting/depaneling any material from flex to fired ceramics, to drilling, skiving, decaping, and direct surface metal etching of the artwork, the ProtoLaser U3 system has the ability to process applications for product development that were previously only possible with the help of large, and expensive industrial systems.

The ProtoLaser U3 combines the capabilities of the previous generation ProtoLaser U (UV laser) and ProtoLaser S (IR laser) models into one multipurpose system. Not only does it have the ability to cut or depanel nearly any substrate material, its additional functionality allows for drilling, marking, depth engraving and surface etching of circuitry directly onto FR4, ceramic or any other high frequency RF substrate. The 15  $\mu\text{m}$  beam spot allows for etching surface structures down to as small as 1 mil.

Ideal for applications that require highly precise geometry and repeat accuracy, the ProtoLaser U3 can quickly process applications and switch between projects hassle free, offering maximum flexibility. The high pulse energy of the UV laser eliminates residue and tooling costs, and is a chemical free process. Due to its versatile capabilities, the ProtoLaser U3 is the only UV laser system worldwide that can also structure laminated substrates.

The ProtoLaser U3 is compact, easy to install and takes little more than a click of the button to operate. An ideal solution for small batch production on demand, the U3 is a great addition to any research and design team at an attractive price.

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**About LPKF** LPKF Laser & Electronics is the world leading manufacturer of both mechanical and laser systems for demanding tasks in printed circuit board technology and microelectronics. LPKF's worldwide headquarters is located in Garbsen, Germany outside of Hannover and the company maintains North American headquarters in Portland, OR.