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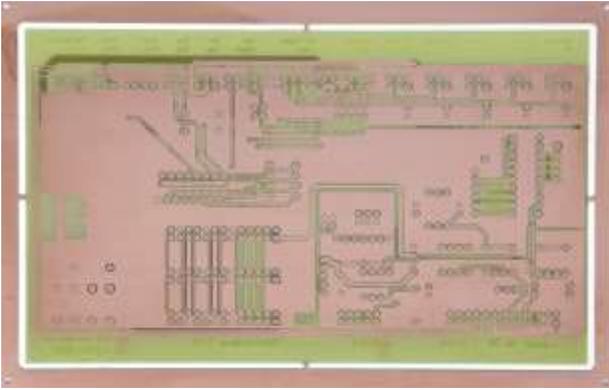
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Next-generation LPKF Circuit Board Plotters

Tualatin, OR, March 2016 - PCB prototyping is an essential step in electronics development. With the ProtoMat E34 and the ProtoMat E44, LPKF offers multifunctional machines for structuring, drilling, and milling of circuit boards. The plotter mechanically etches through the copper of the base material at up to 40,000 RPM. LPKF's E series ProtoMats are the low-cost entry-level solutions for professional PCB prototyping without the need for etching chemicals. They are also extremely user-friendly and compact, with a footprint barely larger than a US letter sheet.



The ProtoMat E44 (left) and the ProtoMat E34 (right) differ in terms of spindle speed and the camera feature



Structuring, drilling, and milling - all are easy tasks for the two new E series ProtoMats

The E44 has a camera to assist in positioning. The camera detects fiducials and geometric structures and uses these features as reference points, thereby increasing the positioning accuracy in double-sided PCBs. In addition, the camera on the ProtoMat E44 has a measurement function to facilitate milling channel adjustment. After the measurement operation, the machine software gives the user exact values for making optimal adjustments.

The included LPKF CircuitPro CAM software makes it easier to meet production demands. It offers broad access to all process parameters. Users can draw on a comprehensive parameter library for numerous common and exotic materials for their projects. And there's more – when the user enters information on the lab equipment available, LPKF CircuitPro will optimize the work steps for the entire manufacturing process.

Ease of operation, high precision, and an outstanding price-to-performance ratio all combine to make the ProtoMat E34 and the ProtoMat E44 valuable assistants in any electronics lab.

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About LPKF

Established in 1976, LPKF Laser & Electronics manufactures milling machines and laser systems used in circuit board and microelectronics fabrication, medical technology, the automotive sector, and the production of solar cells. LPKF's worldwide headquarters is located in Hannover, Germany and its North American headquarters resides near Portland, Ore.