

Laser Direct Structuring at Embedded World

LPKF presents PCB and LDS prototyping

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As in previous years, visitors to this year's embedded world can look forward to seeing LPKF's best innovations. At Stand 507 in Hall 1, the specialist for micro material processing will be showcasing its fast and easy prototyping solutions for conventional PCBs as well as MIDs.

The stand team is expecting heavy visitor traffic at 10:00 a.m., 12:00 noon, 2:00 p.m., and 4:00 p.m. – when they are giving live demonstrations with the brand-new LPKF ProtoLaser 3D for prototyping MIDs. This laser system writes conductor structures onto LDS-capable plastic parts for subsequent metallization in a special bath to produce the conductive traces.

The LDS process already has a huge share in the smartphone and tablet antenna market and is making gains in the LED, medical, and automotive industries. With the products ProtoPaint LDS, ProtoLaser 3D, and ProtoPlate LDS, LPKF offers a complete solution for making LDS prototypes, even in just one day.

Another highlight will be the LPKF ProtoMat D104, which is being presented for the first time as a series product. This circuit board plotter designed for mechanical structuring of single- or double-sided circuit board substrates features a UV laser as an additional tool with which fine-pitch structures down to 50 µm/30 µm (minimum conductor width/space) can be generated.

However, the conventional SMT systems are also represented with the ProtoMat S63, a purely mechanical circuit board structuring solution – presented by prototyping specialists who would be happy to provide further information to all interested visitors at the LPKF stand (#507) in Hall 1.



Live at embedded world: LDS prototyping with equipment from LPKF.



Circuit board plotter with laser tool: The LPKF ProtoMat D104 can generate highly precise structures.

About LPKF

LPKF Laser & Electronics AG manufactures machines and laser systems used in electronics fabrication, medical technology, the automotive sector, and the production of solar cells. Around 20 percent of the workforce is engaged in research and development.