Press Information

With a request for publication

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LPKF presents CuttingMaster 3290 at electronica 2026:

90 W laser depaneling doubles performance in FR4 applications

Extended laser source lifespan and Tensor Technology at 90 W for cost-effective series production

Garbsen, October 27, 2026, LPKF Laser & Electronics SE presents the CuttingMaster 3290 for the first time at electronica Munich, November 10-13, 2026, in Hall A2, booth 219. The system combines 90 W laser power with LPKF's Tensor Technology, already used in the CuttingMaster 2240. This doubles performance in FR4 applications and makes laser depaneling cost-effective for FR4 thicker than 2.4 mm. Compared with milling, manufacturers gain shorter cycle times and lower unit costs.

Contour and breakout tabs are cut together in a single pass with clean, burr-free edges, so no pre-routing is needed. Three process modes run on the same 90 W platform: CleanCut for precision (stress-free, no carbonization, no heat-affected zone), StandardCut balancing speed and quality, and FastCut for maximum throughput. An extended laser source lifespan and extremely low maintenance keep operating costs low.

Designed for 24/7 series production, the system comes in a manual P version, upgradeable to automation, and a Ci version for inline automation. It handles component heights of up to 40 mm. Based on the field-proven CuttingMaster 3000 platform, it delivers higher productivity than dual-head laser concepts with significantly less complexity and a more compact footprint.

"The CuttingMaster 3290 meets exactly what our customers in high-volume electronics manufacturing need: higher throughput, no compromises on quality, and a machine that proves itself in

production over many years," says Patrick Stockbrügger, Product Manager at LPKF Laser & Electronics SE. The CuttingMaster 3290 is available now through direct sales and authorized partners worldwide. Customers can request a sample processing or a quote at https://laser-depaneling.lpkf.com/en/cuttingmaster-3290

About LPKF

LPKF is a pioneer and leading provider of high-precision, laser-driven production solutions that bridge the gap from R&D to high-volume manufacturing through technological leadership and an innovation partner model. Proprietary technologies like CleanCut and LIDE redefine industry standards for precision and reliability. LPKF enables critical miniaturization and performance for applications such as 5G, AI chips, and advanced semiconductor packaging, and supports customers with consulting, sample support, and end-to-end ecosystem support beyond machinery.

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