The LPKF MultiCut family:
a profitable SMT stencil-cutting solution

With the new LPKF MultiCut StencilLaser systems you can improve production by reducing cutting time, reducing operating costs, and increasing speed and aperture density. This 100% in-house production solution is ready for current and future stencil-cutting challenges.

Always at your service
LPKF maintains a global service staff of employees with hubs on three continents. Our experienced and well-trained service personnel provide the most reliable support structure in the industry.

Financing solutions
LPKF has partnered with industry leading financial partners to be able to offer custom finance packages. Check leased packages are designed to fit a variety of cash flow needs and provide an even quicker return on investment.

Open up new business perspectives
In addition to the ever-growing stencil market, micromachining of mechanical parts has emerged as yet another lucrative application for the LPKF MultiCut system.

The LPKF MultiCut is capable of cutting metal sheets up to 600 µm thick with superior precision. The extraordinary features of the MultiCut system combine both high performance stencil cutting and micromachining in one single system. Take advantage of the new business opportunities that the LPKF MultiCut can provide you.

Technical Data

<table>
<thead>
<tr>
<th>Speed</th>
<th>12,000 apertures per hour without FastCut option</th>
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</thead>
<tbody>
<tr>
<td>Laser power</td>
<td>2,500 W over all</td>
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<tr>
<td>Dimension System (LxWxH)</td>
<td>2,050 x 1,700 x 1,400 mm (81” x 67” x 51”)</td>
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<tr>
<td>Weight</td>
<td>Less than 2,000 kg (4,400 lb.)</td>
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</tbody>
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Fast fact reference layouts

Reference layout A:
- Stainless steel, 150 µm (6 mil) thick, 14,157 apertures
- Speed: 12,000 apertures per hour without FastCut option
- Speed: 13,500 apertures per hour with FastCut option

Reference layout B:
- Stainless steel, 100 µm (4 mil) thick, 11,676 apertures
- Speed: 16,000 apertures per hour without FastCut option
- Speed: 22,100 apertures per hour with FastCut option

Reference layout C:
- Stencil material: Stainless steel, 40 µm (1.6 mil) thick, 18,000 apertures
- Speed: 46,200 apertures per hour with FastCut option

The new LPKF MultiCut family
Accelerate your stencil business

- Manufacture more stencils per shift
- Reduce cost of ownership
- Increased profit from high reliability

Always at your service

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As stencil designs become more complex, demanding greater density and speed in a cutting system, LPKF meets the demands of the industry with the new LPKF MultiCut StencilLaser, a leap ahead in stencil cutting technology.

LPKF’s EasyEdit software, designed exclusively for stencil manufacturing, makes the customizing process easier, allowing for global editing of aperture dimensions, quicker changing of information in much less time, and practically unlimited customization.

EasyEdit includes features such as:
- One-click aperture modification
- Full scalability of aperture dimensions
- Custom libraries for automated aperture modifications

Benefit from high performance software developed with the help of industry experts, many of which are some of LPKF’s best customers.

LPKF’s FastCut is a specially designed beam delivery method that allows the MultiCut system to cut apertures as fast as 46,200 apertures per hour – without ever moving the table – and much more densely than before. This kind of performance meets or exceeds industry demands.

The new LPKF LongLife Laser gives you thousands of hours of operation in “hands off” mode. This means no more downtime for adjustment or replacement of laser lamps. The LPKF LongLife laser also saves money by:
- Reducing energy consumption by nearly 85%
- Using ordinary compressed air or oxygen alternatively for cutting gas
- Reducing personnel and administrative costs

Reduced operating costs

2-year warranty on the laser source

The new LPKF LongLife Laser gives you thousands of hours of operation in “hands off” mode. This means no more downtime for adjustment or replacement of laser lamps.

Complete flexibility

It is your choice: The LPKF LongLife Laser is available as water-cooled or air-cooled system for the same price.

Choice of options: All MultiCut models can be equipped with:
- EasyEdit Software Package
- FastCut Technology
- LPKF Vision System (Fiducial Camera)
- Digital MicroMeter
- Pneumatic sheet or frame clamping LPKF SL AutoClamp

Our sales engineers would be happy to help you in your decision-making.

Improving the Bottom Line

Superior cutting performance

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Streamlined data preparation

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