Laser Cut Stencils at the Push of a Button

LPKF StencilLaser P 6060

LPKF
Laser & Electronics

It’s Never Been So Easy

LPKF’s StencilLaser P 6060 is the intelligent choice for state-of-the-art production of SMT solder paste stencils anytime, anywhere. The SL P 6060 incorporates space saving design, ease of use, high cutting speed and very low operating cost. In fact, it is the most affordable system on the market today, and it’s all backed by LPKF Laser & Electronics, the leading manufacturer of stencil cutting equipment for over 15 years.

State-of-the-Art Laser Technology

The System is using a proprietary, very light weight motion system that allows excellent positioning accuracy while maintaining cutting speeds that are the highest in its class. The LPKF StencilLaser P 6060 uses a state of the art fiber laser system with custom optics and beam delivery system, providing sidewall qualities that meet and exceed all industry standards.

Engineered for Safety

LPKF puts the safety of the operator first. All LPKF StencilLaser systems adhere to Class I laser safety, and feature state-of-the-art fume and debris extraction. Simplyfied material handling allows safe operation and quick changeover for both framed stencils and bare foils.

Areas of Application

The StencilLaser P 6060 can cut all stencils that are used in the industry, both framed and frameless, without requiring any changeover. It is also compatible with most reusable stencil frame systems including LPKF ZelFlex™, Vectorguard™, Alpha Tetra™, The Wizzard™ and many others. The system features a fiducial camera for simple re-load of stencils and it is also capable of engraving fiducials, logos and other machine readable identifications such as bar codes or data matrix codes. The system is also capable of cutting highly accurate micro parts in a variety of thin metals.

Global Support

With support hubs on three continents including Europe, North America, and Asia, there is always someone to help – regardless of what shift you are running or which time zone you may be working in.

LPKF StencilLaser P 6060

- Perfect framed and frameless stencils
- Easy handling
- Micromachining capability

Simple Operation

In just a few simple steps, any operator is able to produce high quality stencils with minimal training. With the user-friendly interface, the operator can select the proper frame from the library, load the stencil, select the cutting job and push start – all from one simple home screen.

Controlled Flexibility

The CircuitCAM software, included with each StencilLaser system, allows you to provide custom solutions to meet special requirements. Design rules for global editing of aperture dimensions or geometries can be saved as customer-specific templates that can be recalled on-demand at any time. Quickly and easily engrave data matrix codes, part numbers or company logos on either side of the stencil.

Reliable efficiency
Engineered for safety
User-friendly
Eco-friendly

Low Total Cost of Ownership (TCO)

Above and beyond the low capital cost, the total cost of ownership has been significantly decreased by major advances in the laser technology itself. LPKF uses the most energy efficient fiber laser sources available on the market today. The Long-Life fiber laser technology used in the LPKF StencilLaser P 6060 eliminates the need to regularly replace the expensive flashlamps used by laser systems of the past. Furthermore, the entire system draws less than 1,500 VA of power over all, keeping your monthly electric bill to a minimum.

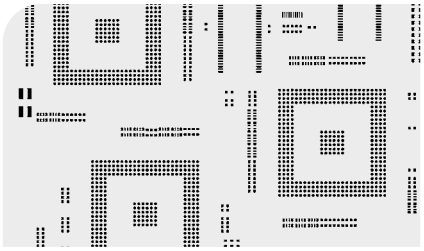
Plug & Play

The StencilLaser P 6060 requires minimum setup and does not need a water chiller or high power electrical connections. It is out of the box, plugged into the wall (115 V or 230 V), setup once and producing stencils within minutes. The small footprint of less than 2 m^2 (20 sq. ft.) allows for installation even where space is limited.

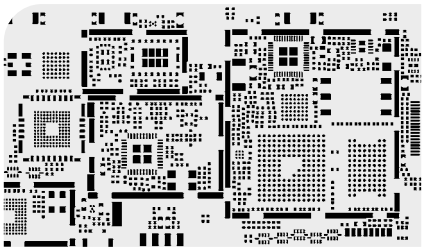
Fast Fact Reference Layouts

Actions speak louder than words. LPKF is basing the performance rating of its systems on real world data, giving you the most realistic picture of productivity.

The data for both reference layouts shown are available to you at any time. LPKF welcomes you to see a live demonstration at one of our world-wide facilities, and encourages you to be present when processing samples on any competitor's system – seeing is believing.



Reference layout A:
Stainless steel, 150 µm (6 mil) thick
Number of apertures: 14,157
Speed: Up to 7,700 apertures per hour



Reference layout B:
Stainless steel, 100 µm (4 mil) thick
Number of apertures: 11,676
Speed: Up to 10,400 apertures per hour

Technical Data: StencilLaser P 6060

Speed	Please refer to: Fast fact reference layouts
Cutting area (X/Y)	600 mm x 600 mm (23.6" x 23.6")
Maximum frame size (X/Y/Z)	740 mm x 950 mm x 40 mm (29.1" x 37.4" x 1.6")
Maximum loose sheet size (X/Y)	650 mm x 850 mm (25.6" x 33.5")
Maximum material thickness	Up to 200 µm (7.9 mil) standard / Up to 600 µm (23.6 mil) optional
Laser repetition rate	Max. 10 kHz
Axial precision	± 4 µm
Right-angle precision	5 angular seconds
Repeatability	±4 µm
Power consumption	Less than 1,500 VA
Dimension System (L x W x H)	1,400 mm x 1,400 mm x 1,450 mm (55" x 55" x 57")
Weight	Less than 1,200 kg (2,645 lbs)

Worldwide (LPKF Headquarters)
LPKF Laser & Electronics AG Osteriede 7 30827 Garbsen Germany
Phone +49 (5131) 7095-0 Fax +49 (5131) 7095-90 info@lpkf.com
www.lpkf.com

North / Central America
LPKF Laser & Electronics North America
Phone +1 (800) 345-LPKF Fax +1 (503) 682-7151 sales@lpkfusa.com
www.lpkfusa.com

China
LPKF Tianjin Co., Ltd.
Phone +86 (22) 2378-5318 Fax +86 (22) 2378-5398 sales@lpkf.cn
www.lpkf.cn

Hong Kong
LPKF Laser & Electronics (Hong Kong) Ltd.
Phone +852-2545-4005 Fax +852-2545-4006 hongkong@lpkf.com
www.lpkf.com

Japan
LPKF Laser & Electronics K.K. Japan
Phone +81 (0) 45 650 1622 Fax +81 (0) 45 650 1624 info.japan@lpkf.com
www.lpkf.com

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Made in Germany

Pictures may show optional equipment.

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