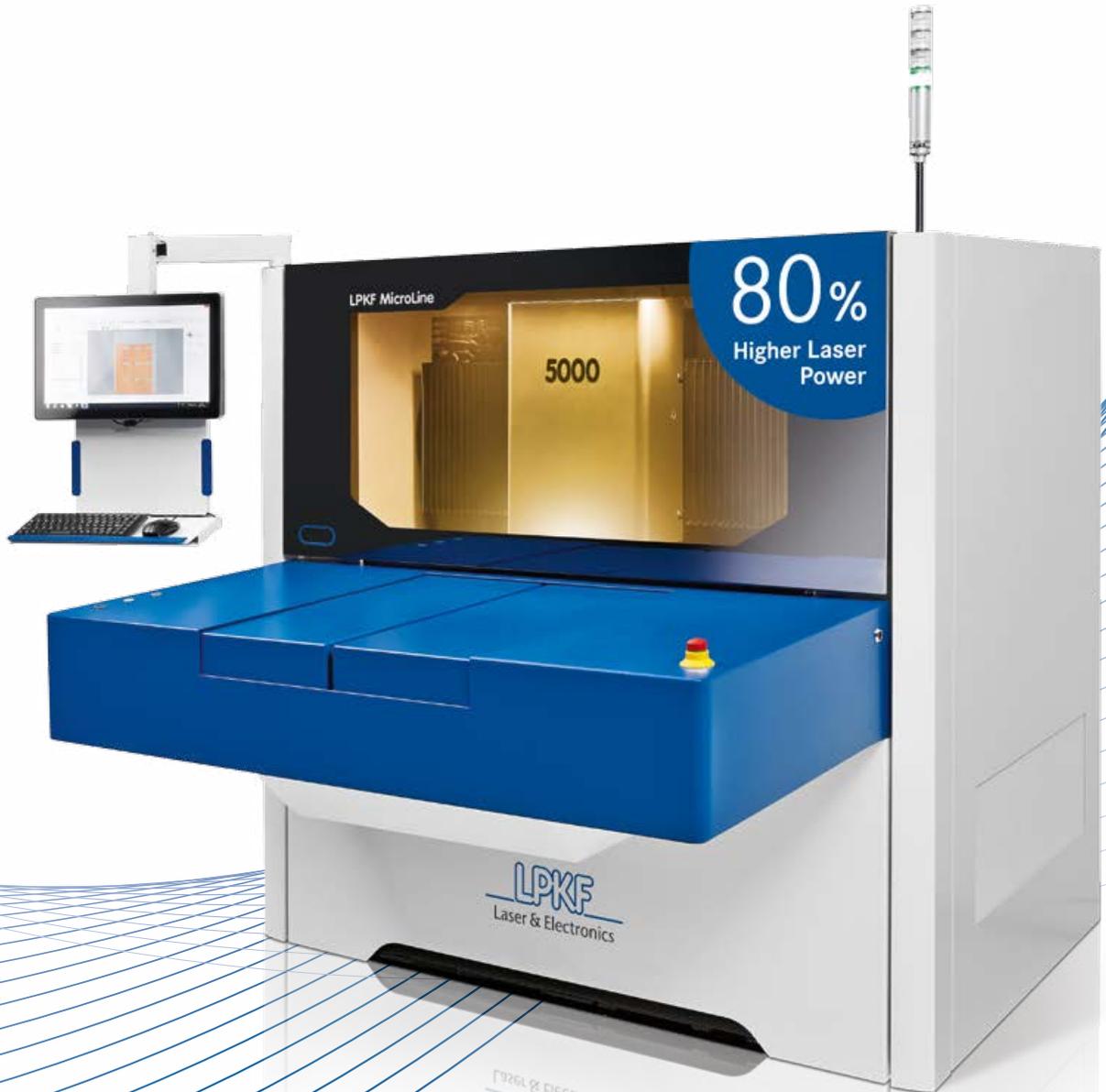


State of the Art Laser Processing of Flex PCBs
LPKF MicroLine 5000 Series



LPKF
Laser & Electronics

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Greater Versatility and Efficiency for a Wider Range of Materials

The LPKF MicroLine 5000 platform addresses many different manufacturing processes including cutting, drilling and pocketing of flexible PCB materials as well as processing IC substrates and High Density Interconnect PCBs. In addition to existing laser sources a new, stronger laser source is available. This option makes the cutting-edge equipment even more valuable to meet new and increasingly complex customer requirements. User-friendly, flexible system control makes it easy to benefit from 80 percent higher performance power.

Technical Data:	LPKF MicroLine 5000
Laser class	1
Laser power	10 W, 15 W, 27 W
Max. working area (X x Y x Z)	533 mm x 610 mm x 11 mm (21" x 24" x 0.43")
Max. sheet size; max. reel width	533 mm x 610 mm (21" x 24"); 500 mm (19.6")
Positioning accuracy	± 20 µm (0.8 mil)
Diameter of focused laser beam	20 µm (0.8 mil)
Laser wavelength	355 nm
System dimensions (W x H x D)	1660 mm x 1720 mm x 1900 mm (66" x 68" x 75"); height incl. status light = 2200 mm (87")
Weight	~ 2000 kg (~ 4400 lbs)
Operating conditions	
Power supply	400 VAC, 3-phase, 50-60 Hz, 16 A, up to 6.5 kVA
Cooling	Air-cooled (internal water-air cooling)
Ambient temperature; humidity	22° C ± 2° C (72 °F ± 4 °F); <60% (non-condensing)
Compressed air	130 l/min @ 0.6 MPa, air quality ISO 8573-1:2010, class 6.4.4
Required accessories	Fume extraction and filtration unit

MicroLine 5000 systems feature multiple variations: MicroLine 5120 (10 watt laser source), MicroLine 5820 (15 watt laser source) and MicroLine 5000 (27 watt laser source).



LPKF Service & Support

LPKF provides worldwide premium customer support. Learn more: www.lpkf.com/support



LPKF Laser & Electronics AG sells and markets products and provides support in more than 50 countries. Find your local representative at www.lpkf.com.

Worldwide (LPKF Headquarters)

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

North / Central America

LPKF Laser & Electronics North America
Phone +1 (503) 454-4200 sales@lpkfusa.com www.lpkfusa.com

China

LPKF Tianjin Co., Ltd.
Phone +86 (22) 2378-5318 sales.china@lpkf.com www.lpkf.com

Hong Kong

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

Japan

LPKF Laser & Electronics K.K. Japan
Phone +81 (0) 3 5439 5906 info.japan@lpkf.com www.lpkf.com

South Korea

LPKF Laser & Electronics Korea Ltd.
Phone +82 (31) 689 3660 info.korea@lpkf.com www.lpkf.com



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