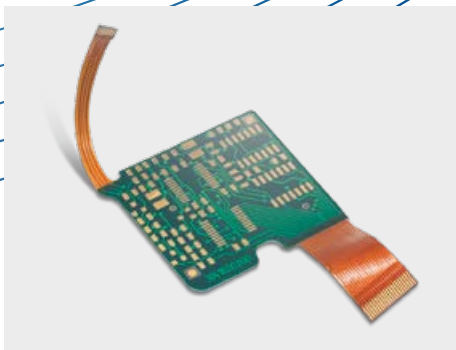
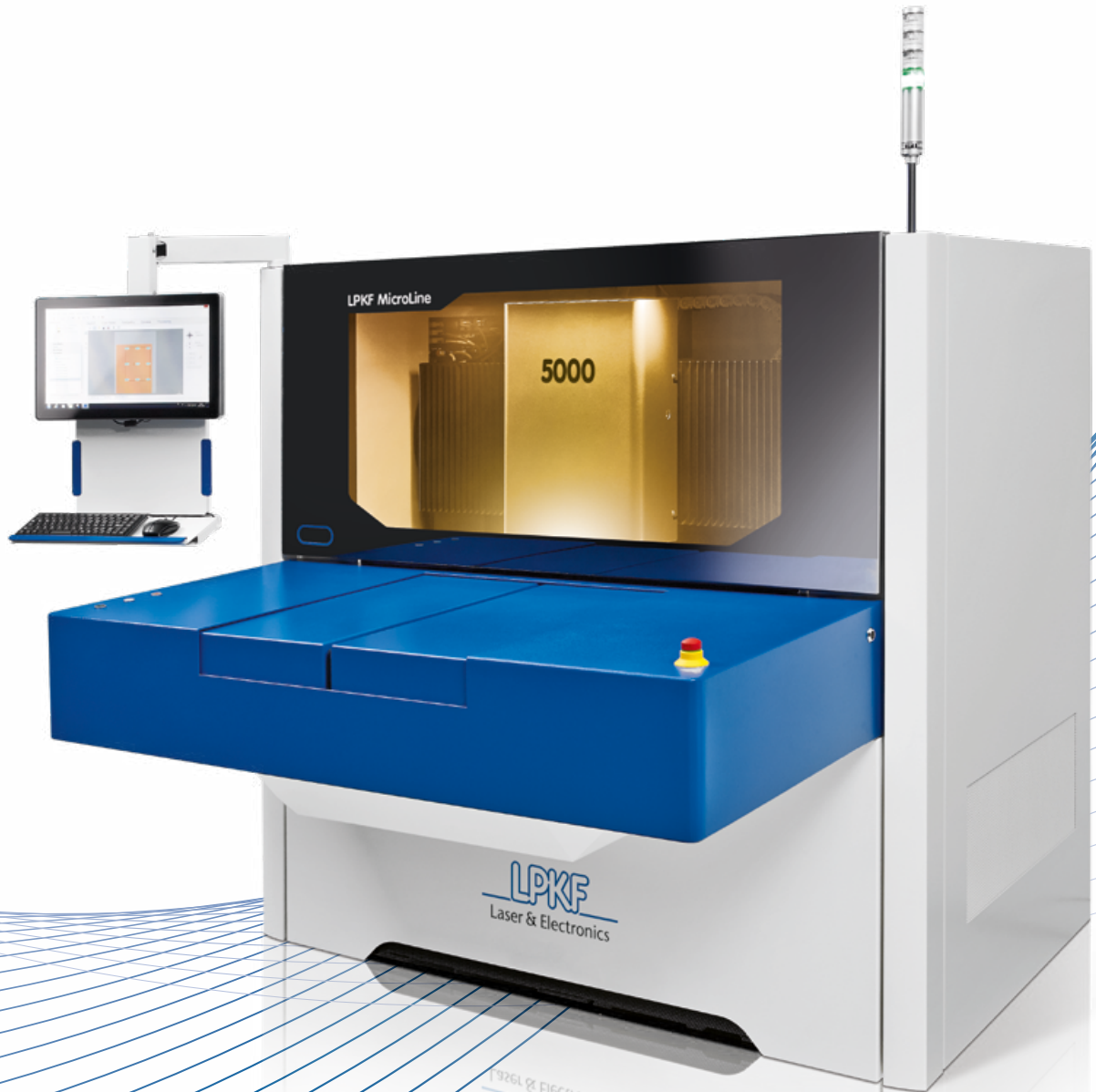


# State of the Art Laser Processing of PCBs

## LPKF MicroLine 5000 Series



## Most Efficient Performance

LPKF MicroLine UV laser systems do not compromise quality or precision over cost-efficiency. These three principles, which are crucial to any manufacturing operation, are the driving force behind the development of the LPKF MicroLine 5000 series. These UV laser systems were developed especially for the efficient general, multi-purpose processing of a wide variety of rigid, rigid-flex and flex boards and substrates for the PCB manufacturing industry.

### Technical Data: LPKF MicroLine 5000

<b>Laser (class 1)</b>	Power 10 W, 15 W, wavelength 355 nm, ns pulse duration
<b>Working area (X x Y x Z)</b>	533 mm x 610 mm x 11 mm (21" x 24" x 0.43")
<b>Operation modes</b>	Manual, reel-to-reel; max. reel width: 530 mm (20.86")
<b>Positioning accuracy</b>	± 20 µm (0.8 mil) @ 22 °C ± 2 °C (71.6 °F ± 3.6 °F)
<b>Diameter of focused laser beam</b>	20 µm (0.8 mil)
<b>System dimensions (W x H x D), weight</b>	1660 mm x 1720 mm x 1900 mm (66" x 68" x 75")*; ~ 2000 kg (~ 4400 lbs)
<b>Operating conditions</b>	
<b>Facility requirements</b>	400 VAC, 50 – 60 Hz, 6.5 kVA, 16 A, 3-phases, 0.6 MPa (87 PSI), 130 l/min
<b>Required accessories</b>	Exhaust unit
<b>Optional accessories</b>	Reel-to-reel automation

\* Height incl. status light = 2200 mm (87")

**MicroLine 5000 systems feature multiple variations: MicroLine 5110 (10 Watt laser source) and MicroLine 5115 (15 Watt laser source).**



**LPKF Service & Support**

LPKF provides worldwide premium customer support. Learn more: [www.lpkf.com/support](http://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](http://www.lpkf.com).

#### Worldwide (LPKF Headquarters)

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

#### North / Central America

LPKF Laser & Electronics North America  
Phone +1 (503) 454-4200 [sales@lpkfusa.com](mailto:sales@lpkfusa.com) [www.lpkfusa.com](http://www.lpkfusa.com)

#### China

LPKF Tianjin Co., Ltd.  
Phone +86 (22) 2378-5318 [sales.china@lpkf.com](mailto:sales.china@lpkf.com) [www.lpkf.com](http://www.lpkf.com)

#### Japan

LPKF Laser & Electronics K.K. Japan  
Phone +81 (0) 47 432 5100 [info.japan@lpkf.com](mailto:info.japan@lpkf.com) [www.lpkf.com](http://www.lpkf.com)

#### South Korea

LPKF Laser & Electronics Korea Ltd.  
Phone +82 (31) 689 3660 [info.korea@lpkf.com](mailto:info.korea@lpkf.com) [www.lpkf.com](http://www.lpkf.com)



Made in Germany