

UV LASERS

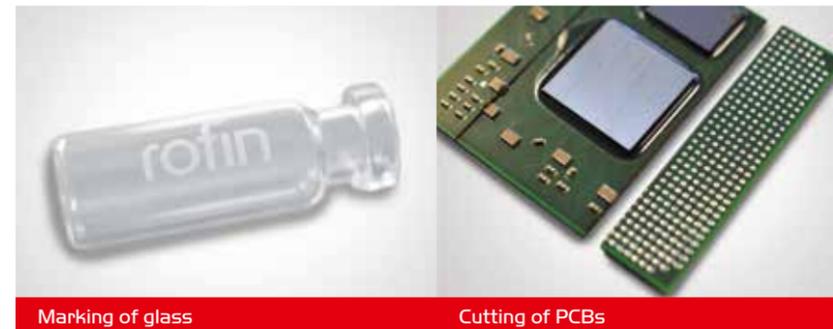
for Marking and Micro Processing



UV LASERS

The UV marking lasers in the PowerLine E UV series with a wavelength of 355 nm are suitable, in particular, for marking plastics but also for typical laser marking applications and micromaterial processing. The wavelength permits very small spot diameters and thus character heights < 100 μm.

Due to the high repetition rates, ROFIN UV lasers are highly suitable for marking plastics (ABS, PA) at extremely high processing speeds, as required for rapid industrial production processes, as well as high-precision marking/structuring on glass and/or ceramics with high peak performance without thermal impact.



Marking of glass

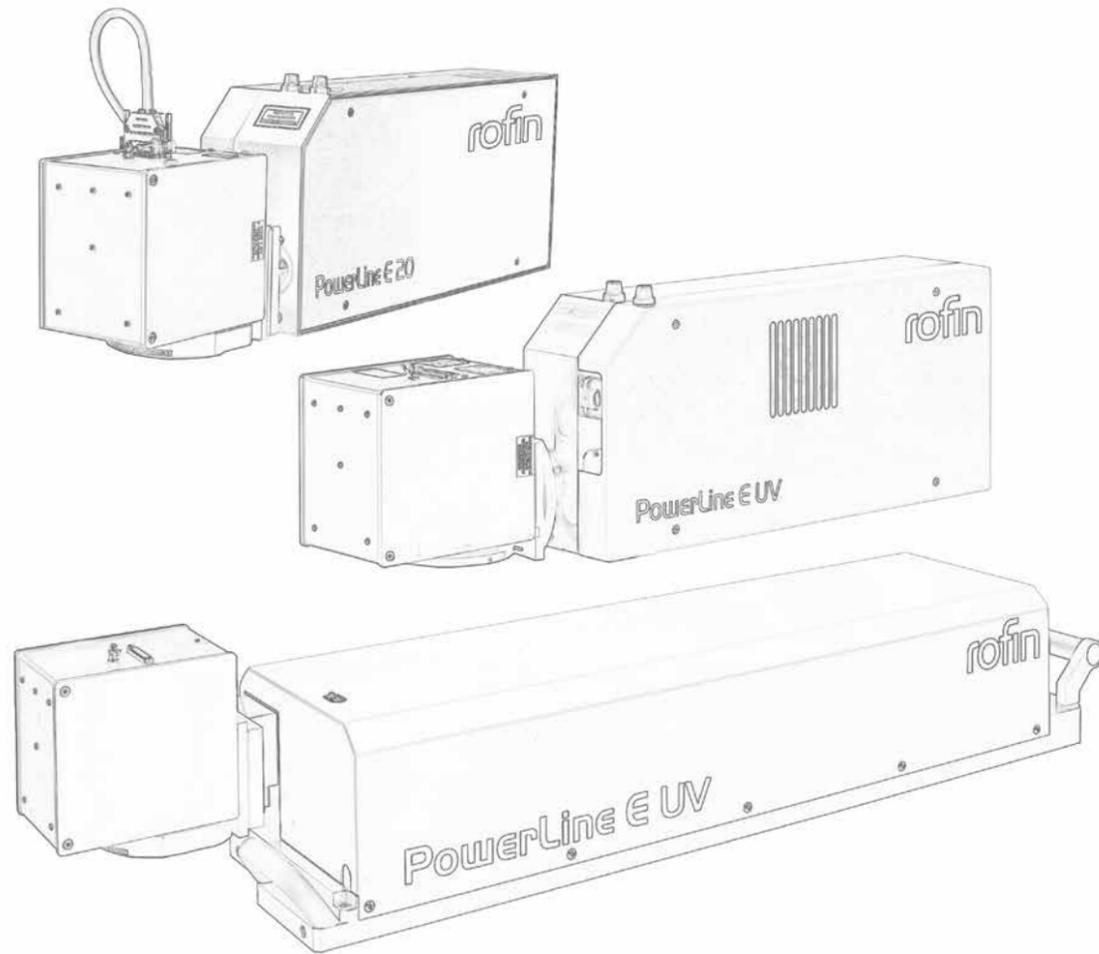
Cutting of PCBs

The lasers of the PowerLine UV series also deliver excellent quality for micromaterial processing such as the cutting of flexible circuits, PCBs and copper. Our UV lasers are available in different power classes.

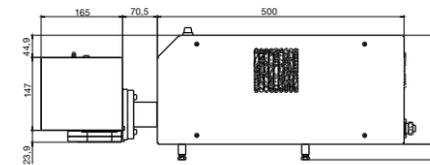
YOUR BENEFITS

- High marking speed
- Outstanding beam quality
- Low operating costs

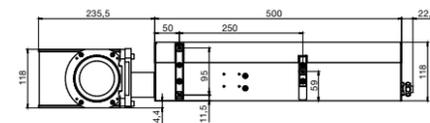
TECHNICAL DATA POWERLINE E UV 5-355



Laser and galvo

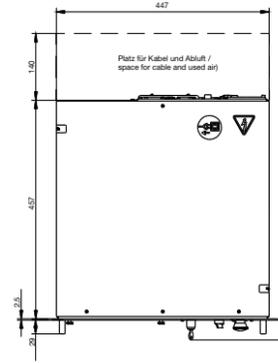


Side view

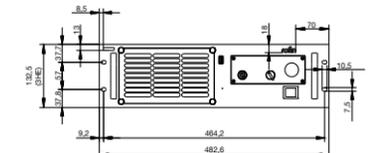


Bottom view

Supply unit



Top view



Front view

UV LASERS AT A GLANCE

Laser head

Wavelength (nm):	355
Average power (W):	3 @ 30 kHz
Pulse frequency (kHz):	20 - 200
Beam quality:	TEM ₀₀
M ² :	1.3
Pulse width (ns):	< 20 @ 30 kHz
Energy per pulse (μJ):	100 @ 30 kHz
Peak power (kW):	5 @ 30 kHz
Weight (kg):	19
Dimensions (W x D x H, mm):	118 x 500 x 251
Ambient temperature range (°C):	15 - 35
Ingress protection:	IP 54
Air flow laser head [m ³ /h]:	max. 100

Marking unit

Field size (mm):	variable
Weight (kg):	approx. 3 (without objective)
Ingress protection:	IP 54

Supply unit (19")

Supply unit dimensions:	19", 3 rack units
Supply unit weight (kg):	approx. 28
Software:	VLM
Air flow 19" supply unit (m ³ /h):	320
Power supply:	115 - 240 +/- 10 50/60 Hz
Power consumption supply unit (W):	550
Ingress protection:	IP 20
External cooling necessary	no

LASER MARKING

ROFIN-SINAR Laser GmbH
 Dieselstr. 15
 85232 Bergkirchen
 Germany
 Phone: +49(0)8131-704-0
 Fax: +49(0)8131-704-4100
 E-mail: info@rofin-muc.de

LASER MICRO

ROFIN-BAASEL Lasertech GmbH & Co. KG
 Petersbrunner Str. 1b
 82319 Starnberg
 Germany
 Phone: +49(0)8151-776-0
 Fax: +49(0)8151-776-4159
 E-mail: sales@baasel.de

LASER MACRO

ROFIN-SINAR Laser GmbH
 Berzeliusstraße 87
 22113 Hamburg
 Germany
 Phone: +49(0)40-733-63-0
 Fax: +49(0)40-733-63-4100
 E-mail: info@rofin-ham.de

WWW.ROFIN.COM

More brochures of ROFIN:



DE/AT: Phone +49-(0)831-704-0
 E-mail: info@rofin.de

Benelux: Phone +31-(0)78-69310-37
 E-mail: info@rofin-baasel.nl

CA: Phone +1-905-607-0400
 E-mail: info-canada@rofin-inc.com

CH: Phone +41-(0)32-3221010
 E-mail: info@rofin-baasel.ch

CN: Phone +86-21-6855-2216
 E-mail: info@rofin-baasel.com.cn

ES/PT: Phone +34-948-324-600
 E-mail: info@rofin-es.com

F: Phone +33-(0)1-6911-3636
 E-mail: info@rofin.fr

IN: Phone +91-(22)2761251/2/3/5
 E-mail: info@rofin.in

IT: Phone +39-039-2729-1
 E-mail: info@rofin.it

JP: Phone +81-(0)46-229-8655
 E-mail: info@rofin-baasel.co.jp

KR: Phone +82-(0)2-837-1750
 E-mail: info@rofin-baasel.co.kr

SG: Phone +65-6482-1091
 E-mail: reception@rofin-baasel.com.sg

TW: Phone +886-2-2790-1300
 E-mail: info@rofin-baasel.com.tw

UK: Phone +44-(0)1327-701-100
 E-mail: sales@rofin-baasel.co.uk

US: Phone +01-734-455-5400
 E-mail: info@rofin-inc.com

Find additional service contacts on
www.rofin.com/worldwide