

# Our Products

biolitec®'s unique  
FUSION® technology

The glass fiber caps  
are welded to the fibers  
and not simply glued.  
That means maximum  
safety during  
the application.



## biolitec® laser systems

Modell	LEONARDO® Mini Dual	LEONARDO® DUAL 45	LEONARDO® DUAL 45
REF	SL980+1470nm16W	SL980+1470nm45W	SL1064+1470nm45W
Wavelength	980 nm ± 30 nm / 1470 nm ± 30 nm	1470 nm ± 30 nm + 980 nm ± 30 nm	1064 nm ± 30 nm + 1470 nm ± 30 nm
Power	11 W@980 nm ± 20 % (Pmax = 13,2 W) 5 W@1470 nm ± 20 % (Pmax = 6 W)	30 W ± 20 % (max. 36 W) + 15 W ± 20 % (max. 18 W)	30 W ± 20 % (max. 36 W) + 15 W ± 20 % (max. 18 W)
Fiber diameter	≥ 360 µm	≥ 360 µm and 220 µm with reduced Pmax. (optional)	≥ 360 µm and 220 µm with reduced Pmax. (optional)
Laser class	4	4	4
Aiming beam	635 nm, max. 4 mW	532 nm and 635 nm, green 1 mW, red 4 mW, user-controlled intensity	532 nm and 635 nm, green 1 mW, red 4 mW, user-controlled intensity
Treatment mode	CW, Pulse Mode (optional)	CW, Pulse Mode, ELVeS® Signal, ELVeS® Segment, Derma Mode	CW, Pulse Mode, ELVeS® Signal, ELVeS® Segment, Derma Mode
Pulse duration/ break	0.01 – 60 sec. / 0.01 – 60 sec.	0.01 – 60 sec. / 0.01 – 60 sec.	0.01 – 60 sec. / 0.01 – 60 sec.
Power supply	100 – 240 VAC, 50 – 60 Hz (12 VDC @ 64, 8 W)	110 – 240 VAC, 50 / 60 Hz / max. 450 VA	110 – 240 VAC, 50 / 60 Hz / max. 450 VA
Cooling	Air-cooled system	Air-cooled system	Air-cooled system
Dimensions (H × W × D)	6.0 cm × 9.0 cm × 21.5 cm	approx. 28 cm × 37 cm × 9 cm	approx. 28 cm × 37 cm × 9 cm
Weight	900 g	approx. 8.5 kg	approx. 8.5 kg

**LEONARDO® DUAL 45**

INVISIBLE LASER RADIATION  
AVOID EYE OR SKIN EXPOSURE TO  
DIRECT OR INDIRECT RADIATION

**CLASS 4 LASER PRODUCT**

Diode-Laser: 980 ± 30 nm CW 30 W (Max.)  
Diode-Laser: 1470 ± 30 nm CW 15 W (Max.)  
EN 60825-1:2008 EN 60601-2-22:2007

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VISIBLE LASER RADIATION  
AVOID EYE EXPOSURE TO DIRECT RADIATION

**CLASS 3R LASER PRODUCT**

Diode-Laser: 635 ± 10 nm CW 4 mW (Max.) (Aiming)  
Diode-Laser: 532 ± 10 nm CW 1 mW (Max.) (Aiming)  
EN 60825-1:2008 EN 60601-2-22:2007

**LEONARDO® DUAL 45**  
(30W@1064nm + 15W@1470nm)

INVISIBLE LASER RADIATION  
AVOID EYE OR SKIN EXPOSURE TO  
DIRECT OR INDIRECT RADIATION


**CLASS 4 LASER PRODUCT**


Diode-Laser: 1064 ± 30 nm CW 30 W (Max.)  
Diode-Laser: 1470 ± 30 nm CW 15 W (Max.)  
EN 60825-1:2014 EN 60601-2-22:2013

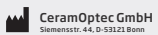
VISIBLE LASER RADIATION  
AVOID EYE EXPOSURE TO DIRECT RADIATION

**CLASS 3R LASER PRODUCT**


Diode-Laser: 635 ± 10 nm CW 4 mW (Max.) (Aiming)  
Diode-Laser: 532 ± 10 nm CW 1 mW (Max.) (Aiming)  
EN 60825-1:2014 EN 60601-2-22:2013



 1984

 CeramOptec GmbH  
Siemensstr. 44, D-53121 Bonn

## Fibers & Accessories

REF	Product	PU*	Length	Diameter	Ablation zone
503100450	ThyLA slim Fiber, IC	10	2.6 m	0.96 mm	 olive
AB2571	Biopsy needle	10	100 mm	18 G	–

\* Packaging unit