

## Laser-Welding System CPL150



**15 Joule**

### Features

- high beam quality and efficiency  
Fiber core diameters down to 50  $\mu\text{m}$
- flexible integration into a processing station with laser class I for micro-processing
- high system reliability through durable components and low maintenance

### Applications

- micro-welding
- micro-drilling and micro-perforating
- photo-labeling
- photo-induced reactions

Wavelength	1070 nm
Pulse energy	0 ... 15 J
max. average power	150 W
Pulse length	0.2 ... 15 ms
Duty cycle	max 50% or cw
Pulse frequency	10 Hz @ maximum pulse energy
Fiber outputs LLK-10	1, 2 (optional with integrated beamsplitter) or 4
Quartz-glass fiber	LLK-10, min. 50 $\mu\text{m}$ core diameter
Dimension (W/H/L)	510 mm $\times$ 300 mm $\times$ 600 mm
Power consumption	110 ... 240 V, 50 ... 60 Hz, 1000 W
Operating Temperature	15 ... 35 $^{\circ}\text{C}$