

LASER SPECIFICATIONS

Parameter	Specifications LIMO1000-L30x0.3-DL808-EX1659	Specifications LIMO1000-F400-DL940-980 with LIMO LPH100062 process head	Specifications LIMO-ILS1500-5383
Wavelength	808 nm	940 nm und 980 nm (mixed)	915 nm
Optical output power	1070 W	1010 W	1500 W
Line focus (width x length, FWHM)	0.177 mm x 30.91 mm	1.7 mm x 52 mm (simulated)	0.206 mm x 130 mm
Angle of incidence in relation to the working plane	10°	not specified	not specified
Intensity (based on FWHM)	19.6 kW/cm ²	1.1 kW/cm ²	5.6 kW/cm ²
Inhomogeneity indicator	2,5 %	not specified	< 10 %
Heating / cooling rate (depending on the material)	approx. 10 ... 10 ⁶ K/s	approx. 1 ... 10 ⁵ K/s	approx. 1 ... 10 ⁵ K/s
Motion speed	1 ... 100 mm/s	1 ... 100 mm/s	1 ... 100 mm/s