

Specification for the Senza[®] HP 1064 nm Laser

Output beam parameters:

Output wavelength	1064 nm
Rated output power (CW)	2000 mW > 2000 mW available on request
Output beam diameter	0.7 mm (+/- 0.2)
Transverse mode structure	TEM ₀₀ , M ² < 1.05
Divergence	Diffraction limited
Beam pointing stability	≤ 10 μrad / °C
Longitudinal mode structure	SLM (Single frequency)
Spectral linewidth	< 2 MHz
Polarisation	Vertical
Polarisation ratio	≥ 100 : 1
Output power noise (p-p)	≤ 2 % (10 Hz - 2 MHz)
Output power noise (rms)	≤ 0.3 % (10 Hz - 2 MHz)
Output power stability	≤ 2 % (4 hours)

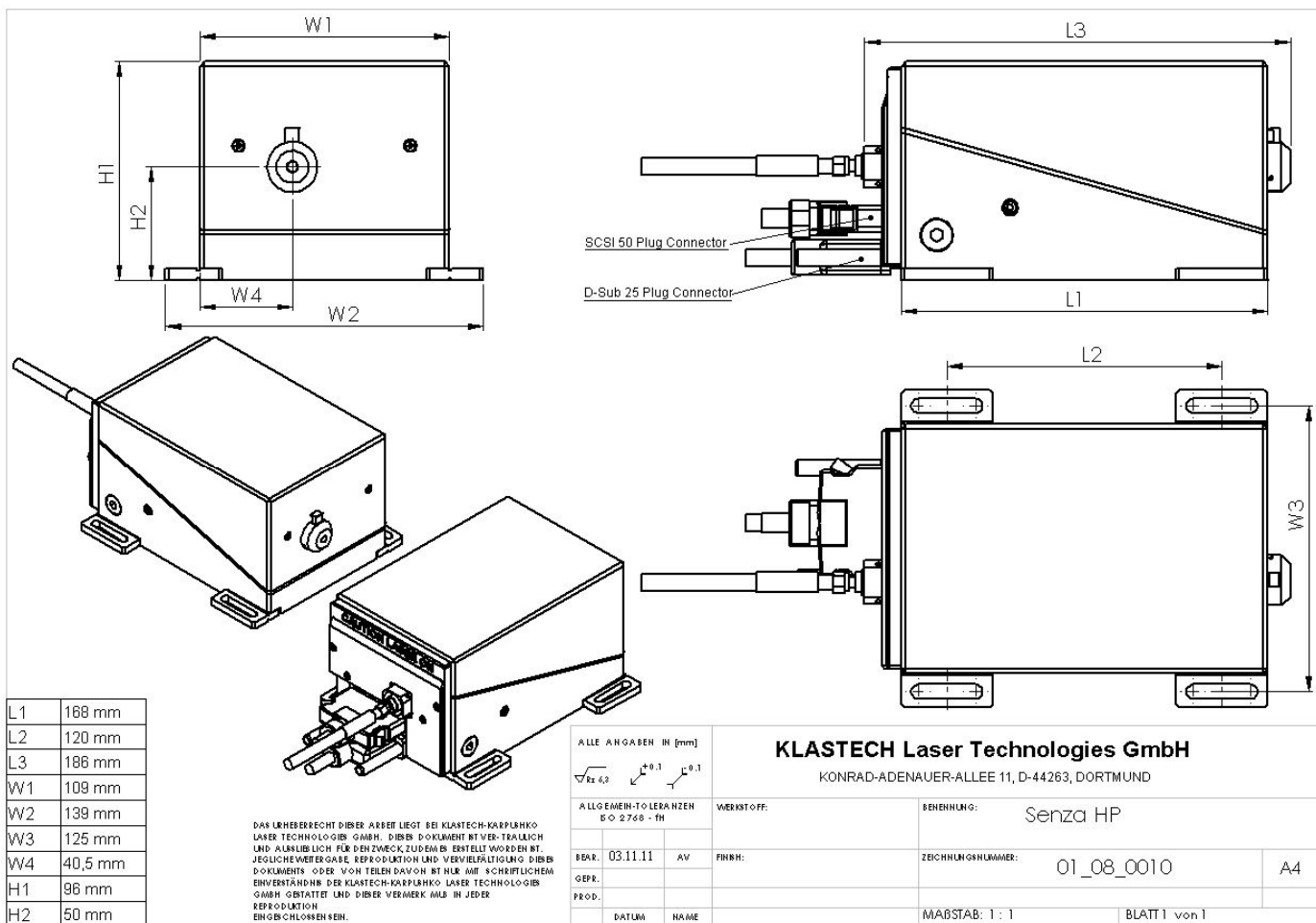
Design

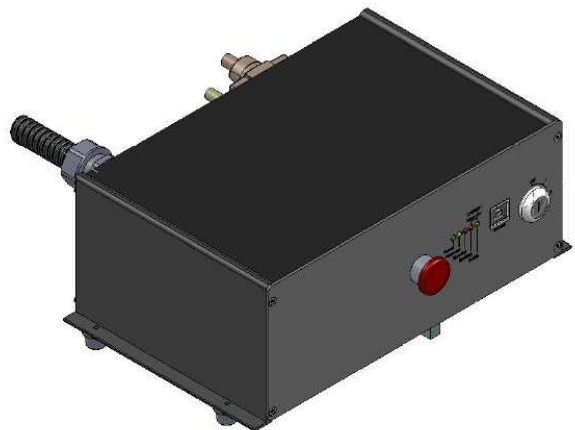
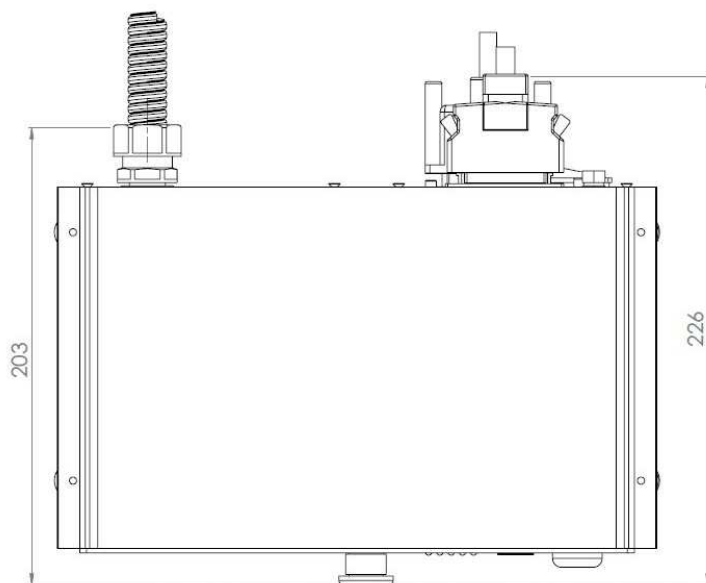
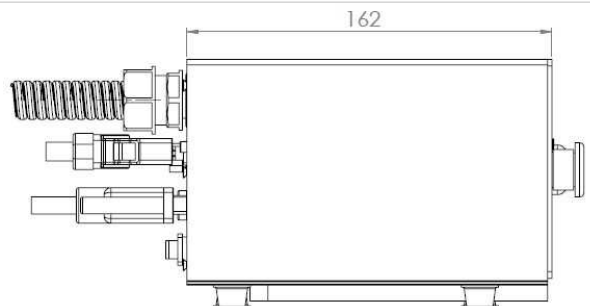
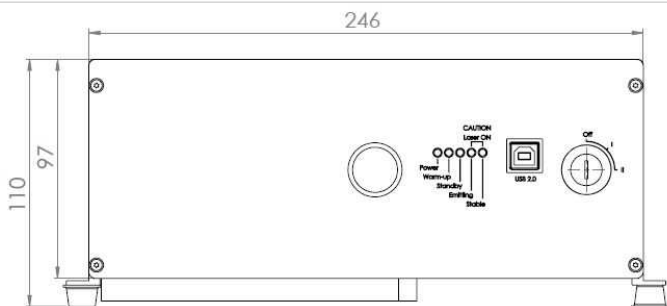
Thermal management	TEC conductive cooling through customer's metal heat sink plate
Operating temperatures (base plate)	15 - 35 °C
Storage temperatures	10 - 50 °C
Laser head size (L x W x H)	160 x 109 x 96 mm
Laser head weight	2550 g

Controller LCS-80.20-10

Dimensions (LxWxH)	200 x 250 x 90 mm
Weight	2500 g
Power adapter	EN60 320-1 Standard Sheet C14 Class I Cold Condition (Fused) Voltage: 80 - 264 VAC, 47 - 400 Hz
Accessories weight	1400 g

CW operation, turnkey system, output power fixed, completely aligned and sealed at production, no further alignment needed by user. Specification may be subject to some change without notice.





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ALLGEMEINER TOLERANZEN ISO 2768 - BH		WERKSTOFF:		BEZEICHNUNG: Controller_10A	
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GPR:				A3	
PROZ:					
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