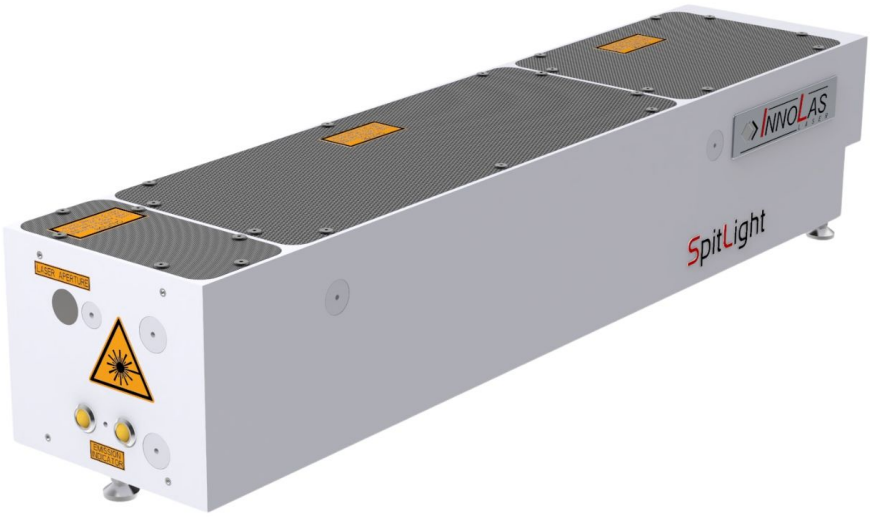
LAMP PUMPED

SpitLight 400-20 Nd:YAG-Laser



Features

- Compact laser head and power supply with small footprint
- Robust and stable resonator structure
- Quick and easy change of flashlamps
- Maintenance-free pumping chamber with ceramic reflector
- Excellent beam quality and pointing stability
- Long flashlamp lifetime
- Double pulse option available
- System can be injection seeded (SLM-Option)
- Uniform super gaussian beam profile available

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Model

Model	SL-S400-20HZ

Energy

Pulse Energy @ 1064 nm	> 350 mJ
Pulse Energy @ 532 nm	> 210 mJ
Pulse Energy @ 355 nm	> 100 mJ
Pulse Energy @ 266 nm	> 40 mJ
Pulse Energy @ 213 nm	> 7 mJ
Energy Stability @ 1064 nm (RMS)	< 0,9 %
Energy Stability @ 532 nm (RMS)	< 1,5 %
Energy Stability @ 355 nm (RMS)	< 2,5 %
Energy Stability @ 266 nm (RMS)	< 3,1 %

Beam Parameters

Pulse Width @ 1064 nm	6 - 10 ns
Pulse Width @ 532 nm	0,5 - 2 ns < PW @ 1064 nm
Pulse Width @ 355 nm	1 - 3 ns < PW @ 1064 nm
Pulse Width @ 266 nm	2 - 4 ns < PW @ 1064 nm
Divergence	< 0,5 mrad
Pointing Stability	< ± 50 µrad
Beam Diameter	~ 6 mm
Temporal Jitter	< ± 1 ns

Operating Parameters

Warranted Lamp Lifetime	> 40,000,000 shots
Electrical Supply	230 VAC; 50 Hz; 1,5 kW
Cooling Water	8 l/min; 2-6 bar; < 15°C

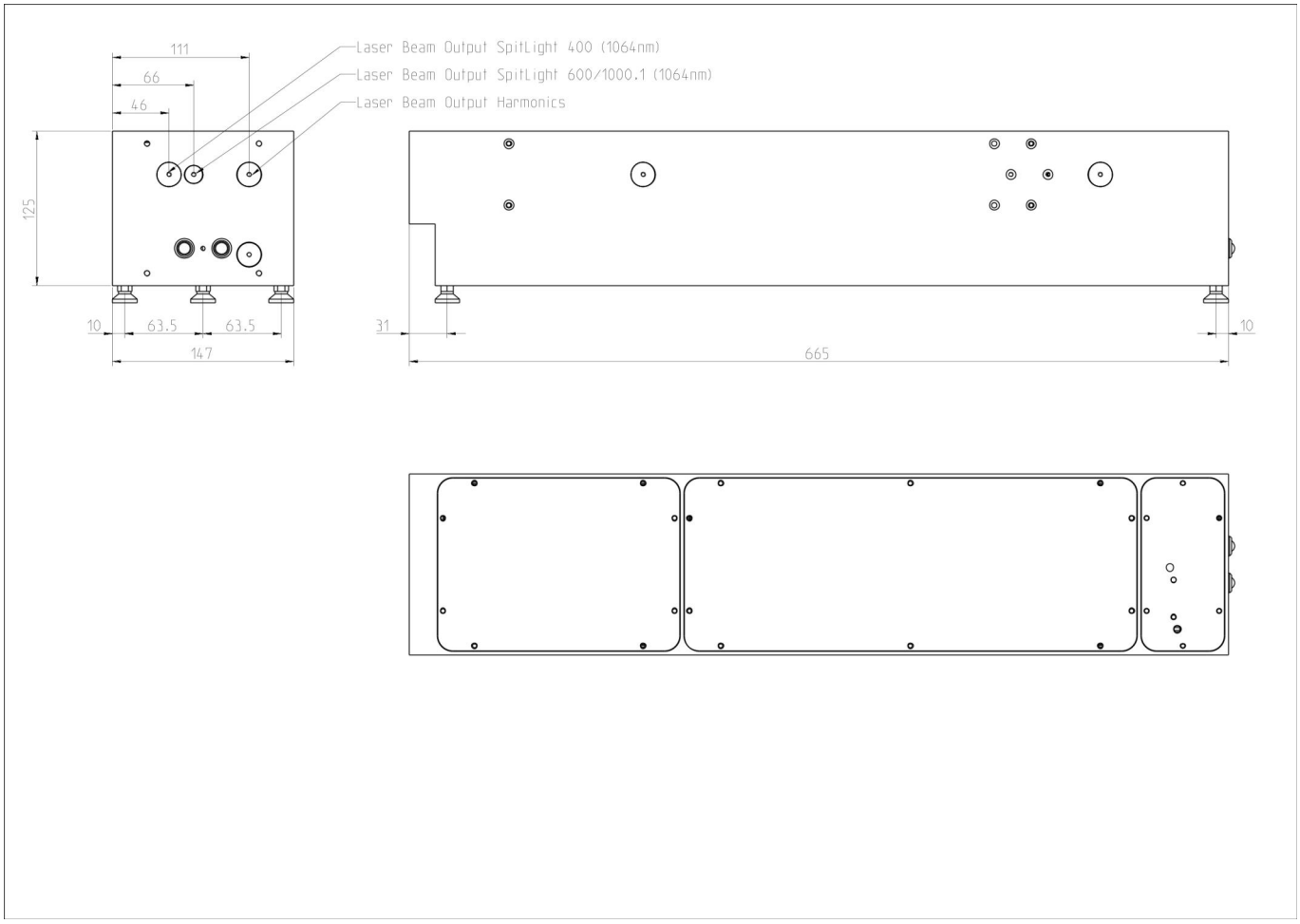
Weights

Laser Head	15 kg
Power Supply	50 kg

Dimensions

Power Supply (L x W x H)	560 x 400 x 425 mm

Drawing



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