

SpitLight High Power

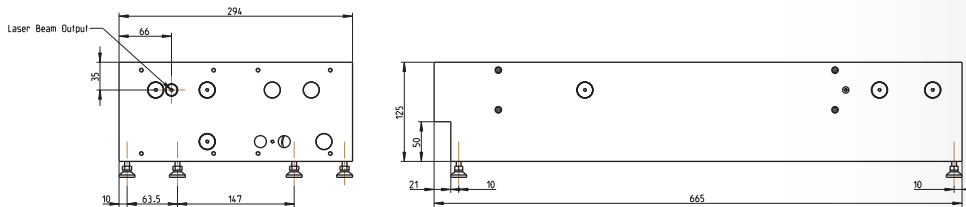


Features

- * 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)

SpitLight High Power

Model		SpitLight 1200	SpitLight 1500	SpitLight 2000
Laser Parameters	Repetition Rate	Product available from 1 to 100 Hz (Following specifications are for 10 Hz)		
Energy	Pulse Energy at 1,064 nm	> 1,250 mJ	> 1,500 mJ	> 2,000 mJ
	Pulse Energy at 532 nm	> 750 mJ	> 900 mJ	> 1,200 mJ
	Pulse Energy at 355 nm	> 330 mJ	> 450 mJ	> 600 mJ
	Pulse Energy at 266 nm	> 100 mJ	> 130 mJ	> 130 mJ
	Pulse Energy at 213 nm	> 18 mJ	> 23 mJ	> 40 mJ
	Energy Stability at 1,064 nm (RMS)	< 0.8%	< 1.0%	< 1.0%
	Energy Stability at 532 nm (RMS)	< 1.3%	< 1.5%	< 1.5%
	Energy Stability at 355 nm (RMS)	< 2.0%	< 2.2%	< 2.2%
Beam Parameters	Pulse Width at 1,064 nm	6-7 ns	6-7 ns	6-8 ns
	Divergence	< 0.5 mrad	< 0.5 mrad	< 0.5 mrad
	Pointing Stability	< ± 50 µrad	< ± 50 µrad	< ± 50 µrad
	Beam Diameter	8 mm	8 mm	10 mm
	Temporal Jitter	< ± 1 ns	< ± 1 ns	< ± 1 ns
Operating Parameters	Lamp Lifetime	> 20,000,000 shots	> 20,000,000 shots	> 20,000,000 shots
	Electrical Supply	208/400 VAC (3 phase), 50/60 Hz, 5.0 kW	208/400 VAC (3 phase), 50/60 Hz, 5.0 kW	208/400 VAC (3 phase), 50/60 Hz, 5.0 kW
	Cooling Water	8 l/min, 2-6 bar, < 15 °C	8 l/min, 2-6 bar, < 15 °C	8 l/min, 2-6 bar, < 15 °C
Weights	Laser Head	30 kg	30 kg	30 kg
	Power Supply	50 kg	50 kg	50 kg
Dimensions	Laser Head (in infrared) (L x W x H)	665 x 294 x 125 mm	665 x 294 x 125 mm	665 x 294 x 125 mm
	Power Supply (L x W x H)	560 x 400 x 425 mm	560 x 400 x 425 mm	560 x 400 x 425 mm



InnoLas follows a policy of continuous product improvement. All specifications are subject to change without notice. All specifications at 1,064 nm unless otherwise noted.

InnoLas Laser GmbH is DIN EN ISO 9001 certified.

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