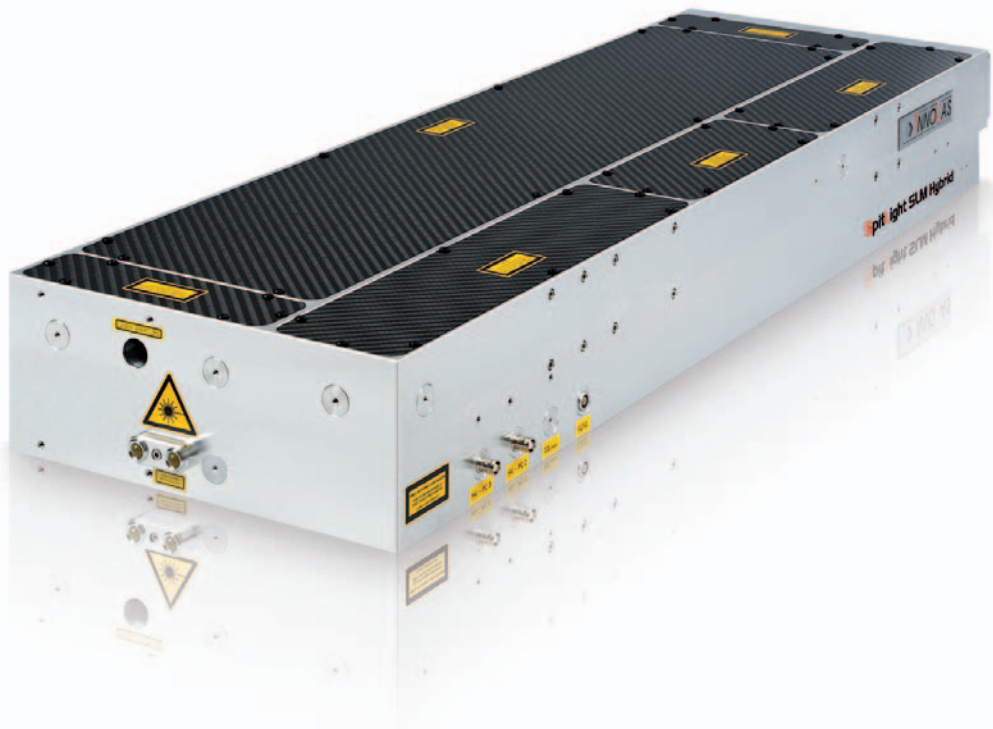


SpitLight SLM Hybrid

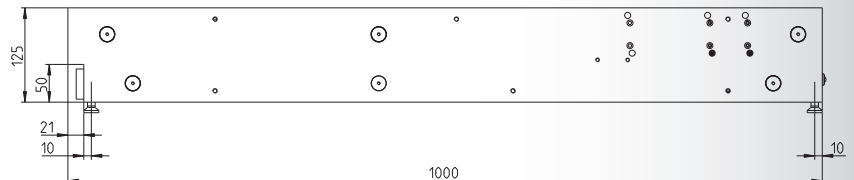
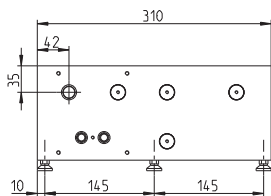


Features

- * Robust and stable resonator structure
- * Quick and easy replacement of flashlamps
- * Maintenance-free pumping chamber with ceramic reflector
- * Excellent beam quality and pointing stability
- * Long flashlamp lifetime
- * Double pulse option available
- * Special components for beam profile optimising

SpitLight SLM Hybrid

Model		SpitLight SLM Hybrid (10 Hz)	SpitLight SLM Hybrid (20 Hz)	SpitLight SLM Hybrid (30 Hz)
Laser Parameters	Repetition Rate	10 Hz	20 Hz	30 Hz
Energy	Pulse Energy at 1,064 nm	> 500 mJ	> 450 mJ	> 400 mJ
	Pulse Energy at 532 nm	> 300 mJ	> 280 mJ	> 250 mJ
	Pulse Energy at 355 nm	> 170 mJ	> 150 mJ	> 125 mJ
	Pulse Energy at 266 nm	> 80 mJ	> 70 mJ	> 60 mJ
	Pulse Energy at 213 nm	> 30 mJ	> 20 mJ	> 15 mJ
	Energy Stability at 1,064 nm (RMS)	< 0.7%	< 0.8%	< 0.9%
	Energy Stability at 532 nm (RMS)	< 1.2%	< 1.3%	< 1.4%
	Energy Stability at 355 nm (RMS)	< 1.5%	< 1.6%	< 1.8%
Beam Parameters	Pulse Width at 1,064 nm	5 ns	5 ns	5 ns
	Divergence	< 0.5 mrad	< 0.5 mrad	< 0.5 mrad
	Pointing Stability	< ± 50 µrad	< ± 50 µrad	< ± 50 µrad
	Beam Diameter	6 mm	6 mm	6 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
	Warranted Diode Lifetime	2 years	2 years	2 years
	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	40 kg	40 kg	40 kg
	Power Supply	50 kg	50 kg	50 kg
Dimensions	Laser Head (in infrared) (L x W x H)	1,000 x 310 x 125 mm	1,000 x 310 x 125 mm	1,000 x 310 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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