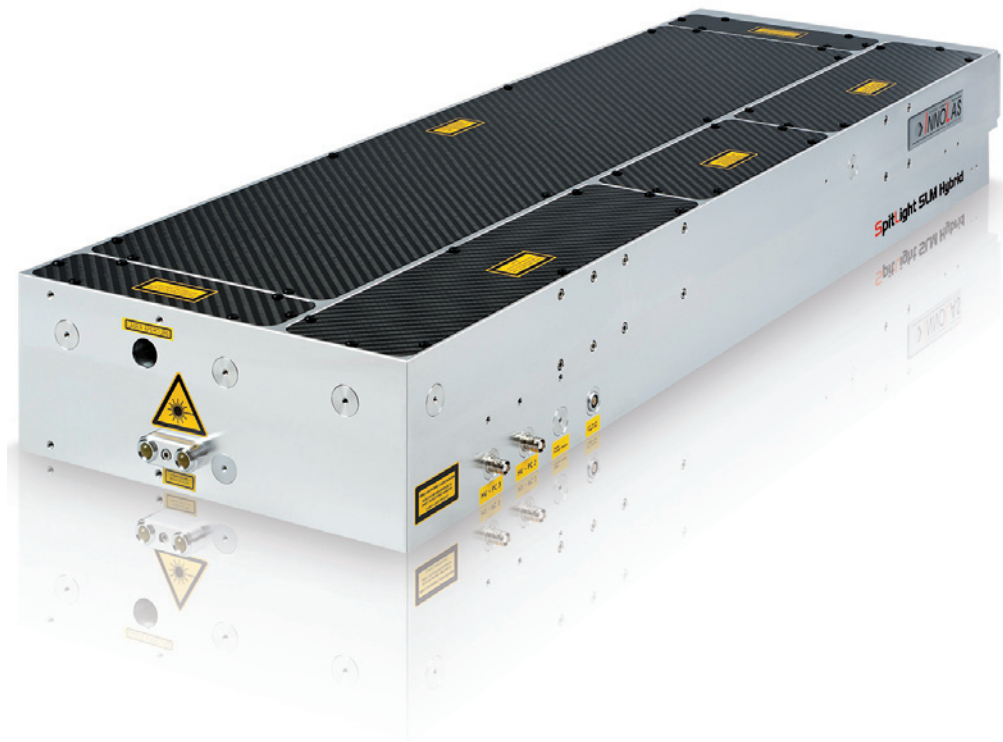


SpitLight SLM Hybrid

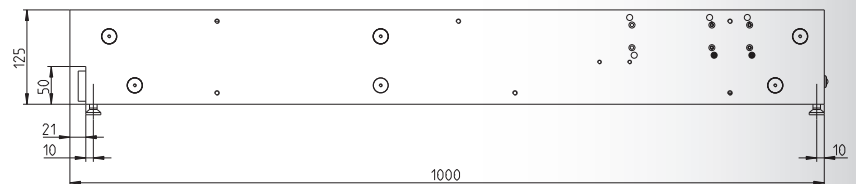
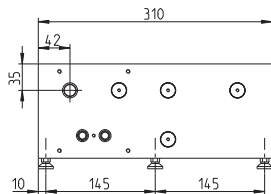


Features

- * Compact laser head and power supply with small footprint
- * 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 |
| | Diode Lifetime | > 10 ⁹ shots | > 10 ⁹ shots | > 10 ⁹ shots |
| | Electrical Supply | 380 VAC, 50 Hz, 5 Kw | 380 VAC, 50 Hz, 5 Kw | 380 VAC, 50 Hz, 5 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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