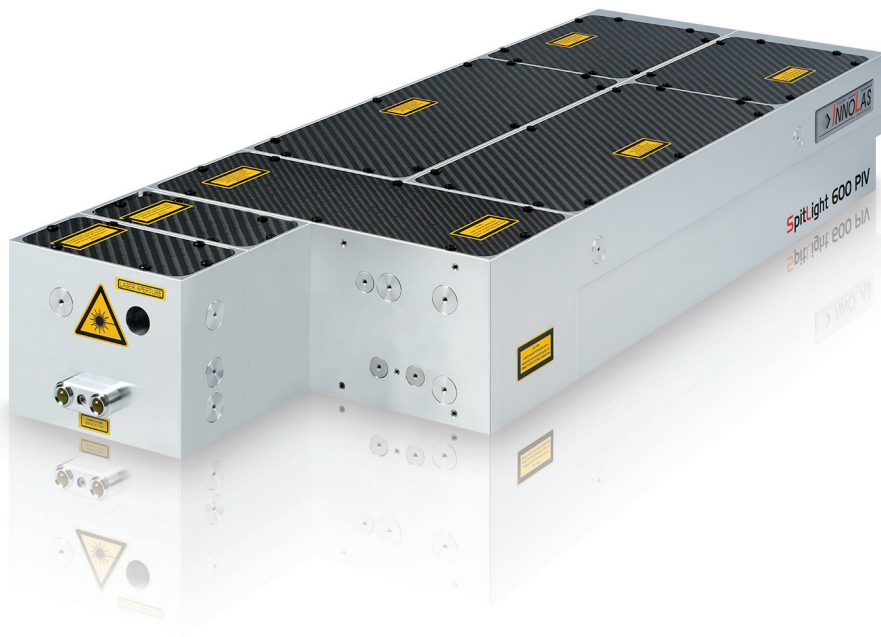


SpitLight PIV Standard

Double Rail Series



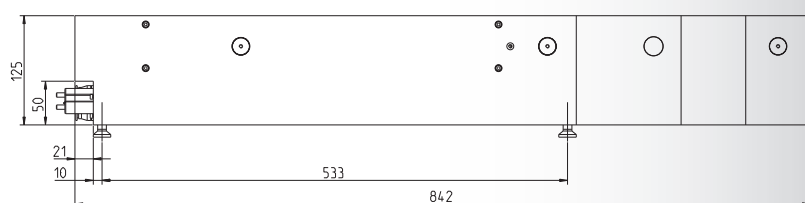
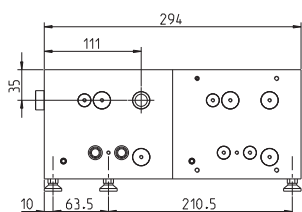
Features

- * Unlimited adjustable pulse separation
- * 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
- * Each cavity can be double pulsed
- * System can be injection seeded (SLM-Option)

SpitLight PIV Standard

Double Rail Series

Model		SpitLight 400 PIV	SpitLight 1000 PIV	SpitLight DPSS 250 PIV
Laser Parameters	Repetition Rate	15 Hz	10 Hz	100 Hz
Energy	Pulse Energy at 532 nm	> 2 x 200 mJ	> 2 x 500 mJ	> 2 x 120 mJ
	Energy Stability at 532 nm (RMS)	< 1.5 %	< 1.3 %	< 1.0 %
Beam Parameters	Pulse Width at 532 nm	5-7 ns	5-7 ns	7-9 ns
	Divergence	< 0.5 mrad	< 0.5 mrad	< 0.5 mrad
	Pointing Stability	< $\pm 50 \mu\text{rad}$	< $\pm 50 \mu\text{rad}$	< $\pm 50 \mu\text{rad}$
	Beam Diameter	7 mm	7 mm	6 mm
	Temporal Jitter	< ± 1 ns	< ± 1 ns	< ± 1 ns
Operating Parameters	Warranted Pump Source Lifetime	> 20,000,000 shots	> 20,000,000 shots	2 years / 2 billion shots*
	Electrical Supply (two units)	each 208-240 VAC, 50/60 Hz, 1.5 kW	each 208/400 VAC (3 phase), 50/60 Hz, 2.5 kW	each 208-240 VAC, 50/60 Hz, 2.5 kW
	Cooling Water	8 l/ min; 2-6 bar; < 20 °C	8 l/ min; 2-6 bar; < 20 °C	8 l/ min; 2-6 bar; < 15 °C
Weights	Laser Head	30 kg	30 kg	30 kg
	Power Supply (two units)	each 50 kg	each 50 kg	each 50 kg
Dimensions	Laser Head (in infrared) (L x W x H)	842 x 294 x 125 mm	842 x 294 x 125 mm	842 x 294 x 125 mm
	Power Supply (L x W x H)	each 560 x 400 x 425 mm	each 560 x 400 x 425 mm	each 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.
* 2 years after installation or 2 billion shots – whichever comes first

InnoLas Laser GmbH is DIN EN ISO 9001 certified.



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