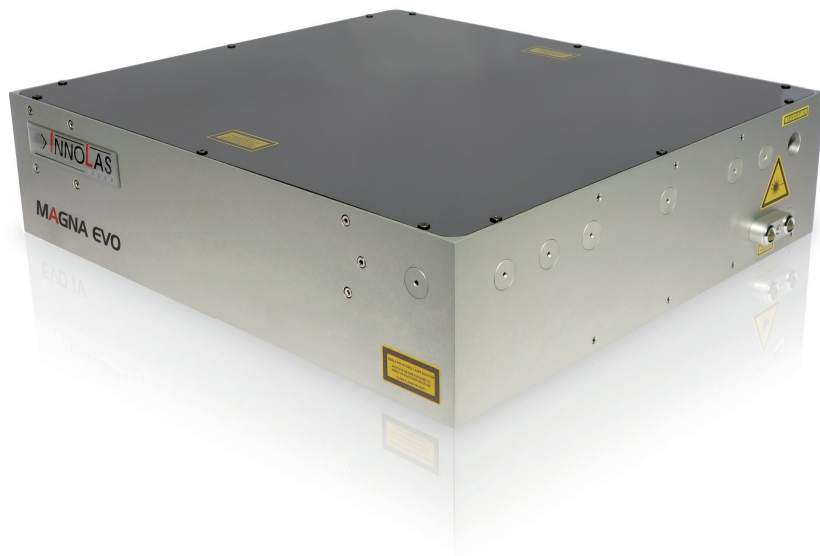


MAGNA

High-Pulse-Energy
Sub-ns Lasers

MAGNA EVO



Features

- * > 25 Watt at 500 ps pulse duration
- * Up to 1000 Hz pulse repetition rate
- * Fully Diode pumped
- * Active Q-switch, < 400 ps Jitter
- * Long diode lifetime, low maintenance
- * Excellent beam quality and pointing stability
- * Robust and stable monolithic design
- * Single longitudinal mode available
- * 266 nm on request

MAGNA EVO

Model		MAGNA EVO I	MAGNA EVO II	MAGNA EVO III
Laser Parameters	Repetition Rate	Product available from 1 to 1000 Hz (following specifications are for 100 Hz)		
Energy	Pulse Energy @ 1064 nm	> 30 mJ	> 125 mJ	> 250 mJ
	Pulse Energy @ 532 nm	> 15 mJ	> 75 mJ	> 150 mJ
	Pulse Energy @ 355 nm	> 10 mJ	> 40 mJ	> 80 mJ
	Energy Stability @ 1064 nm (RMS)	< 1.5%		
	Energy Stability @ 532 nm (RMS)	< 2.0%		
	Energy Stability @ 355 nm (RMS)	< 2.5%		
Beam Parameters	Pulse Width @ 1064 nm	< 600 ps		
	Divergence	< 0.5 mrad		
	Pointing Stability	< ± 50 µrad		
	Beam Diameter	5 mm	7 mm	8 mm
	Temporal Jitter	< ± 400 ps		
Operating Parameters	Warranted Diode Lifetime	> 4 x 10 ⁹ shots*		
	Electrical Supply	230 VAC ± 10% (single phase), 50/60 Hz, 2.5 kW		
	Cooling Water	Water / Air or Water / Water		
Weights	Laser Head	20 kg	30 kg	40 kg
	Power Supply	35 kg	50 kg	
Dimensions	Laser Head (in infrared) (L x W x H)	500 x 269 x 125 mm	500 x 394 x 125 mm	500 x 574 x 125 mm
	Power Supply (L x W x H)	19", total 5 RU	19", total 7 RU	

InnoLas follows a policy of continuous product improvement. All specifications are subject to change without notice. All specifications at 1064 nm unless otherwise noted.

InnoLas Laser GmbH is DIN EN ISO 9001 certified.

* min. 80% energy for > 4 x 10⁹ shots or two years after installation – whichever comes first

