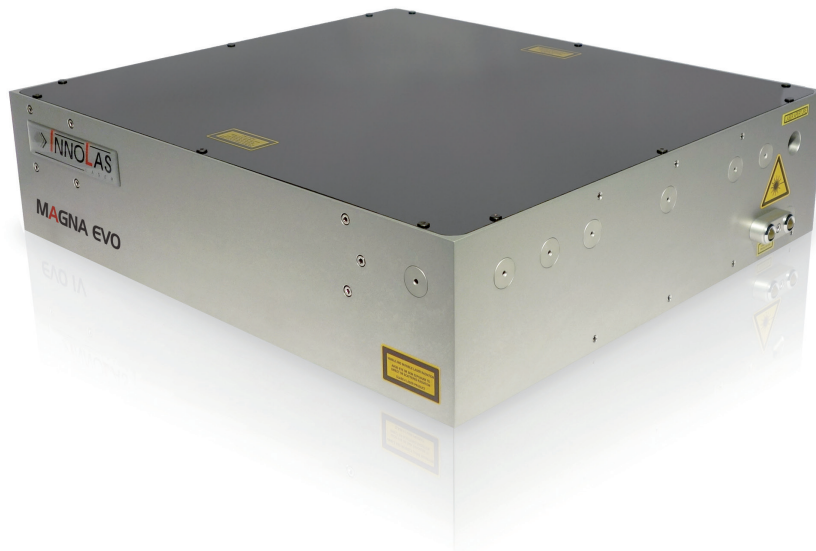


# MAGNA EVO

High-Energy Sub-ns Lasers

## MAGNA EVO



### Features

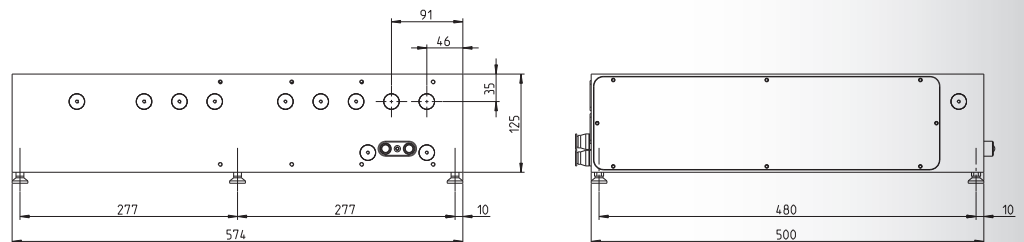
- \* > 25 Watt at 500 ps pulse duration
- \* Up to 1000 Hz pulse repetition rate
- \* Fully Diode pumped
- \* Active Q-switch, < 400 ps Jitter
- \* Long diode lifetime, low maintenance
- \* Excellent beam quality and pointing stability
- \* Robust and stable monolithic design

## MAGNA EVO

Model	MAGNA EVO I	MAGNA EVO II	MAGNA EVO III
<b>Repetition Rate</b>	Product available from 1 to 1000 Hz (following specifications are for 100 Hz)		
<b>Energy</b>			
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%	< 1.5%	< 1.5%
Energy Stability @ 532 nm (RMS)	< 2.0%	< 2.0%	< 2.0%
Energy Stability @ 355 nm (RMS)	< 2.5%	< 2.5%	< 2.5%
<b>Beam Parameters</b>			
Pulse Width	< 600 ps	< 600 ps	< 600 ps
Divergence	< 0.5 mrad	< 0.5 mrad	< 0.5 mrad
Pointing Stability	< ± 50 µrad	< ± 50 µrad	< ± 50 µrad
Beam Diameter	5 mm	7 mm	8 mm
Temporal Jitter	< ± 400 ps	< ± 400 ps	< ± 400 ps
<b>Operating Parameters</b>			
Diode Lifetime	2 years or 2 billion shots *	2 years or 2 billion shots*	2 years or 2 billion shots*
Electrical Supply	208/240 VAC, 50/60 Hz, 2.5 kW	208/240 VAC, 50/60 Hz, 2.5 kW	208/240 VAC, 50/60 Hz, 2.5 kW
Cooling	Water / Air or Water / Water	Water / Air or Water / Water	Water / Air or Water / Water

### Dimensions

Dimensions Laser Head IR (L x W x H)	500 x 269 x 125 mm	500 x 394 x 125 mm	500 x 574 x 125 mm
Dimensions Power Supply (L x W x H)	19", total 5 RU	19", total 7 RU	19", total 7 RU



InnoLas follows a policy of continuous product improvement. All specifications are subject to change without notice.

\* 2 years after installation or 2 billion (2 x 10<sup>9</sup>) shots – whichever comes first

InnoLas Laser GmbH is DIN EN ISO 9001 certified.



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