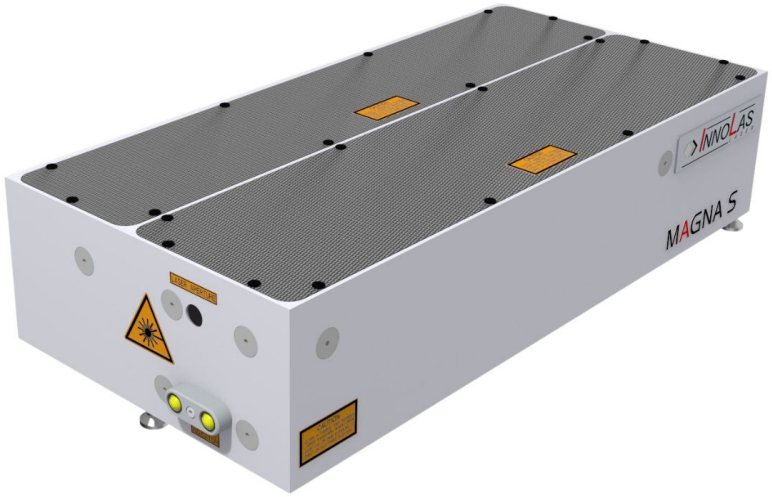
SUB-NANOSECOND

MAGNA S-20



Features

- High energy: uo to 2 J at 500 ps pulse width
- High peak power: up to 4 Giga-Watt
- Sub-nanosecond oscillator and amplifier integrated in monolithic housing
- Active Q-switch, < 400 ps jitter
- High-energy sub-nanosecond pulses enable new experiments
- Quick and easy exchange of flashlamps
- Maintenance-free pumping chambers with ceramic reflector
- Excellent beam quality and pointing stability

INNOLAS LASER

Model

Model	SL-MAGNA_S-20HZ

Energy

Pulse Energy @ 1064 nm	> 90 mJ
Pulse Energy @ 532 nm	> 50 mJ
Pulse Energy @ 355 nm	> 20 mJ

Beam Parameters

Pulse Width @ 1064 nm	< 600 ps
Pulse Width @ 532 nm	< 500 ps
Pulse Width @ 355 nm	< 500 ps
Pulse Width @ 266 nm	< 500 ps
Pulse Width @ 213 nm	< 500 ps
Divergence	< 0,5 mrad
Pointing Stability	< ± 50 µrad
Beam Diameter	~ 5 mm
Temporal Jitter	< ± 400 ps

Operating Parameters

Warranted Lamp Lifetime	> 40,000,000 shots
Electrical Supply	230 VAC; 50 Hz; 2,5 kW
Cooling Water	8 l/min; 2-6 bar; < 15°C

Weights

Laser Head	30 kg
Power Supply	70 kg

Dimensions

Laser Head (L x W x H)	555 x 270 x 125 mm
Power Supply (L x W x H)	560 x 400 x 425 mm + 19'' 1 RU

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