

Myron

Diode-pumped, Q-Switched Nd:YAG Green Laser



FEATURES

- No DI water requirement
- Field-proven long-life diode module
- Rugged design, high reliability
- Up to 20 KHz operating repetition rate
- Average output up to 30 W
- Multi-mode and TEM00 mode output
- Smooth beam profile at focus
- Ideal for Ti:Sapphire pumping at high-repetition rate

The Myron is a diode-pumped, Q-switched second harmonic Nd:YAG laser. It features field-proven long-life diode module and no DI water requirement for water chiller. The rugged enclosure design, optimum cavity design and PRF adjustment result in excellent output stability over a large dynamic range as well as super reliability for long-term operation. The Myron is available in both TEM00 and Multi-mode output. The Myron-20-0 offers >20 W TEM00 at 532 nm. The Myron-30-M delivers >30W multi-mode 532 nm output.

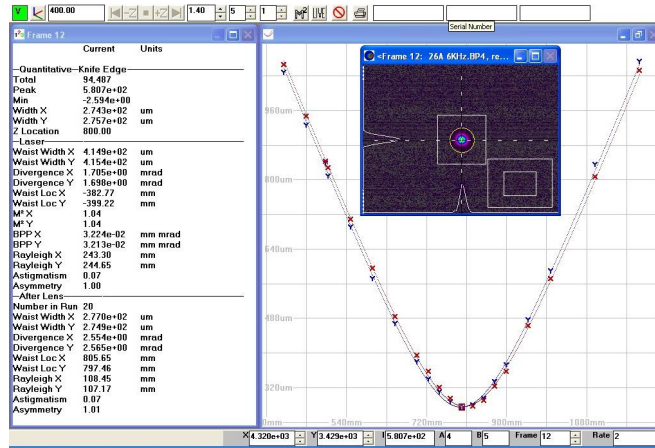
The Myron can be used not only for Ti:sapphire pumping at high repetition rate, such as UpTek Solutions Phidia-10 series, but also for material processing due to its smooth TEM₀₀ beam profile.

The Myron series provides optimum solutions for scientific as well as industrial customers for applications, such as ultrafast amplifier pumping, PIV, material processing, micromachining, etc.

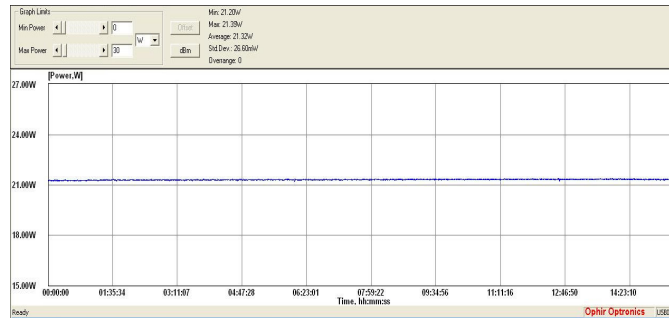
APPLICATIONS

- Ultrafast pumping
- PIV
- Material processing
- Micromachining

	Myron-30-M	Myron-20-0
Average Power	>30 W @ 10KHz	>20W @ 10 KHz
Repetition Rate	1- 20 KHz	1-20 KHz
Wavelength	532 nm	532 nm
Pulse Width	<120 ns	<90 ns
Spatial Mode	M ² <10	M ² <1.2 (TEM ₀₀)
Beam Size (1/e ²)	~ 1 mm	~ 1 mm
Energy Stability	<2 % RMS	<2 % RMS
Polarization	Linear, Horizontal	Linear, Horizontal



Myron-20-0 Output Beam Quality Measurement



Myron-20-0 16-hour Output Power Stability Measurement

