

# Myron

## Q-Switched, Diode-pumped 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

### APPLICATIONS

- Ultrafast pumping
- PIV
- Material processing
- Micromachining

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-10-0 and Myron-20-0 offer >10 W TEM00 and >20W TEM00, respectively, 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 10 KHz, such as UpTek Solutions Phidia-10 series, but also for material processing due to its smooth TEM<sub>00</sub> beam profile.

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

	Myron-30-M	Myron-10-0	Myron-20-0
Average Power	>30 W @ 10KHz	>10W @ 10 KHz	> 20W @ 10 KHz
Repetition Rate	4- 20 KHz	4-20 KHz	4-20 KHz
Wavelength	532 nm	532 nm	532 nm
Pulse width	<120 ns	<90 ns	<90 ns
Spatial Mode	$M^2 < 10$	$M^2 < 1.2$ (TEM <sub>00</sub> )	$M^2 < 1.2$ (TEM <sub>00</sub> )
Beam Size (1/e <sup>2</sup> )	~ 1 mm	~ 1 mm	~ 1 mm
Energy Stability	<2 % RMS	<2 % RMS	<2 % RMS
Polarization	Linear, Horizontal	Linear, Horizontal	Linear, Horizontal

