

Myron-HP

Diode-pumped, Q-Switched High Power Nd:YAG 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 150 W
- Multi-mode mode output
- Smooth beam profile at focus
- Ideal for Ti:Sapphire pumping at high-repetition rate

The Myron-HP is a diode-pumped, Q-switched second harmonic Nd:YAG laser. It features a field-proven long-life diode module and no DI water requirement for water chiller. The rugged enclosure design, optimized cavity design and PRF adjustment result in excellent output stability over a large, dynamic range as well as increased reliability for long-term operation.

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

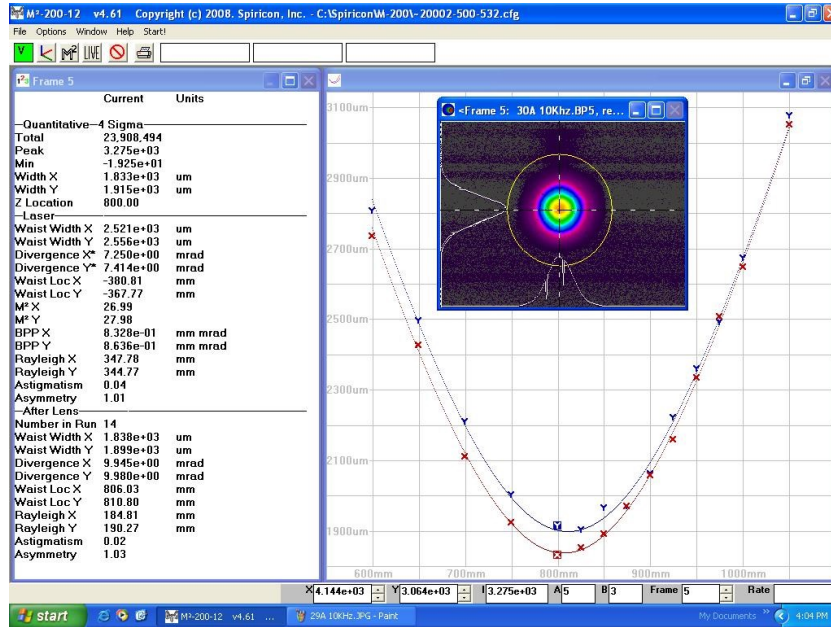
APPLICATIONS

- Ti:Sapphir pumping
- PIV
- Material processing
- Micromachining

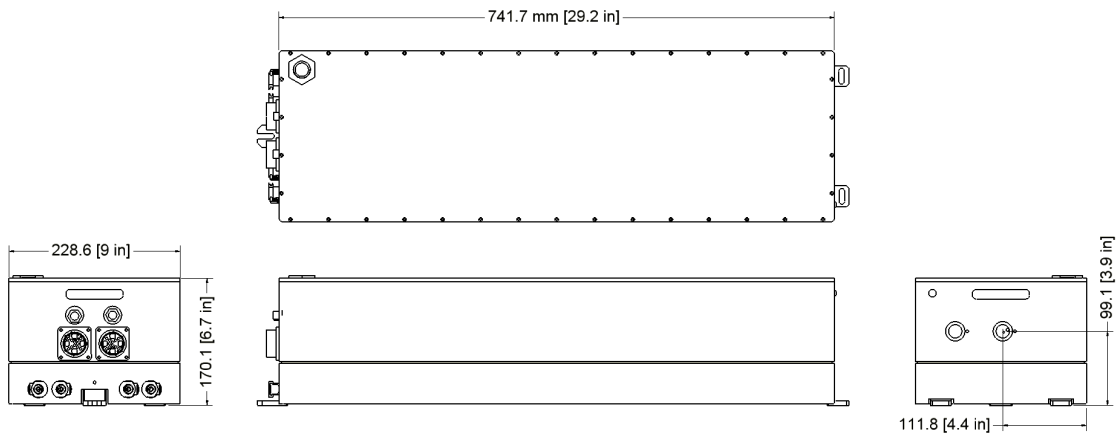
Myron-HP-532-M

Myron-HP-532-L

	Myron-HP-532-M	Myron-HP-532-L
Average Power	>140 W @ 10 kHz	>80W @ 10 kHz
Repetition Rate	5- 20 kHz	5-20 kHz
Wavelength	532 nm	532 nm
Pulse Width	<150 ns	<130 ns
Spatial Mode	M ² <25	M ² <12
Beam Size (1/e ²)	< 3mm	< 3mm
Energy Stability	<2 % RMS	<2 % RMS
Beam Pointing	<25 μrad (RMS)	<25 μrad (RMS)
Beam Divergence	<10 mrad	<10 mrad
Polarization	Linear, Vertical	Linear, Vertical



Myron-HP-532-M Output Beam M² Measurement



Myron-HP Footprint