

Myron-1064

Diode-pumped, Q-Switched Nd:YAG IRLaser



FEATURES

- FPK and FPS mode available
- Laser power attenuation by RF
- No DI water requirement
- Field-proven long-life diode module
- Rugged design, high reliability
- Up to 40 KHz operating repetition rate
- Average output up to 100 W
- Multi-mode and TEM00 mode output
- Smooth beam profile at focus

The Myron-1064 is a diode-pumped, Q-switched 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 is available in both TEM00 and Multi-mode output. The Myron-1064-25-0 offers >21 W TEM00 at 10 kHz. The Myron-1064-100-M delivers >100W multi-mode at 1064nm output. Myron-1064 is an ideal tool for micromachining.

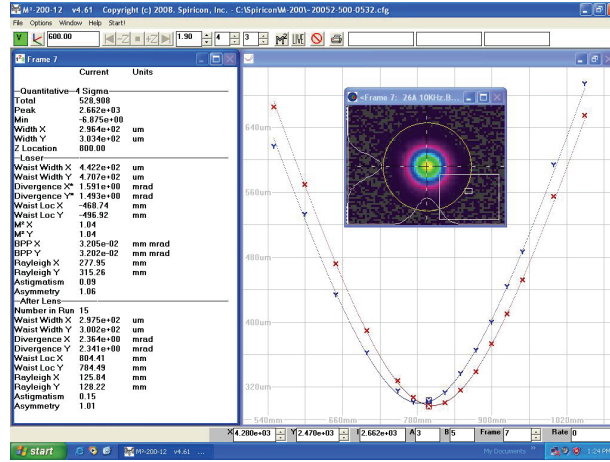
APPLICATIONS

- PIV
- Material processing
- Micromachining

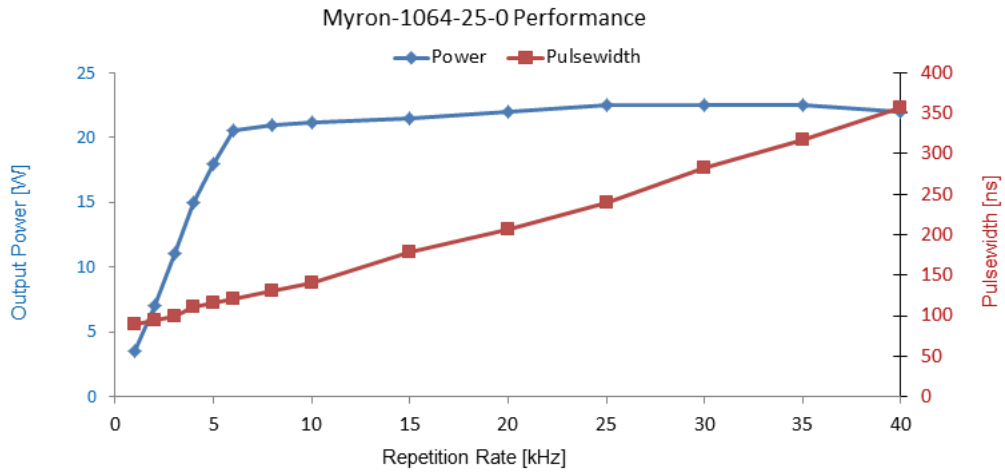
Myron-1064-25-0

Myron-1064-120-M

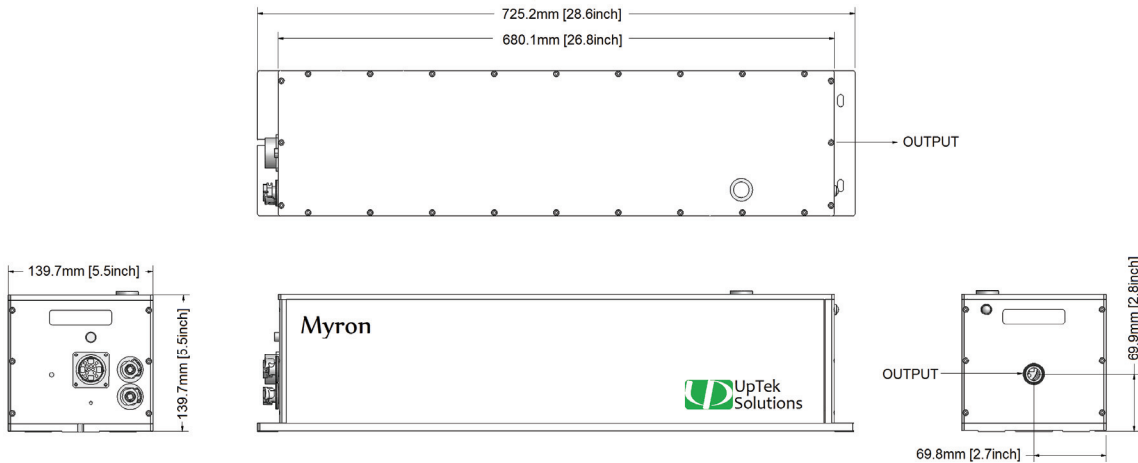
	Myron-1064-25-0	Myron-1064-120-M
Average Power	>25 W @CW >19W @6KHz >21W @10 KHz	>120 W @CW >90W @6KHz >100W @10 KHz
Repetition Rate	1– 40 KHz	1-40 KHz
Wavelength	1064 nm	1064 nm
Pulse Width	<140 ns @10 kHz	<250 ns @10 kHz
Spatial Mode	M ² <1.2	M ² <20
Beam Size (1/e ²)	~ 1 mm	~ 3 mm
Energy Stability	<2 % RMS	<2 % RMS
Polarization	Random	Random
Laser head size	28.6"x5.5"x5.5" (LxWxH)	33.0"x7"x5.5" (LxWxH)



Myron-1064-25-0 Output Beam Quality Measurement



Myron-1064-25-0 Output Performance Measurement



Myron-1064-25-0 Footprint