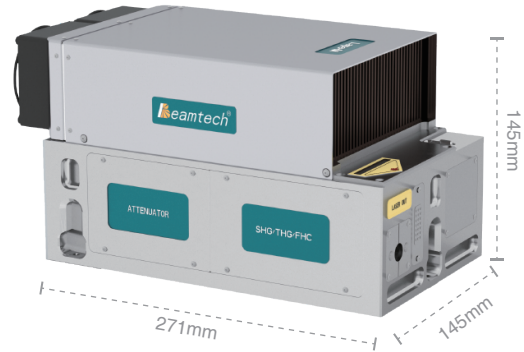




## Air-cooled Nd:YAG Q-switched DPSS laser

- Air-cooled, no water required
- Adjustable repetition rate: 1-100Hz
- Built-in motorized energy attenuator, adjustable from 1-100%
- Integrated power supply and laser head with built-in harmonic crystal
- Diode lifetime >1 billion shots
- Industrial-grade design suitable for 24/7 operation
- Excellent energy stability and long-term reliability
- Uniform near-field beam profile



### Specifications

Model	Lapa-M			
Wavelength	1064nm	532nm	355nm	266nm
Pulse energy	>30mJ	>10mJ	>2mJ	>2mJ
Energy stability <sup>1</sup> (RMS)	<0.5%	<1%	<2%	<2%
pulse duration <sup>2</sup>	<15ns	<12ns	<10ns	<10ns
Repetition rate	1-100Hz			
Divergence <sup>3</sup>	≤6mrad			
Transverse mode	Multimode			
Beam diameter <sup>4</sup>	3mm	2.8mm	1.5mm	1.9mm
Point stability(RMS)	≤10urad			
Jitter <sup>5</sup> (RMS)	<0.5ns			
Polarization	Linear, >100:1			
Warming time	<5min at room temperature			
Electrical service	DC 48V			
Operation temperature	0-40 °C			

Note: All the specifications are measured at 100Hz.

1. Dev. to average (shot to shot for 99% of pulses).
2. Full width half max (FWHM).
3. Full angle at 1/e<sup>2</sup> of the peak.
4. Measured at the laser output.
5. With respect to external trigger.



Beamtech Optronics Co.,Ltd.  
<http://www.beamtech-laser.com>  
 Head Office  
 15566 Buena Vista Ave, White Rock, BC V 4B 1Z2, Canada  
 phone: 604-960-1429  
 Email: beamtech@shaw.ca

Manufacture&Technology Center  
 Building B, Hongfu Technology Park,  
 Changping Beijing, China 102209  
 Tel: 010-84945016/17/18/19  
 Fax: 010-84945020

