

# Quasi-CW Q-Switched Nd:YAG Laser Model LF2210, LF241



- A range of Arc-lamp Pumped Quasi-CW Nd:YAG VIS and UV Lasers
- High reliability, stability and repeatability make the lasers user-friendly both for research and industrial applications.
- PC-controlled operation allows the lasers to be integrated into technological and measuring systems.

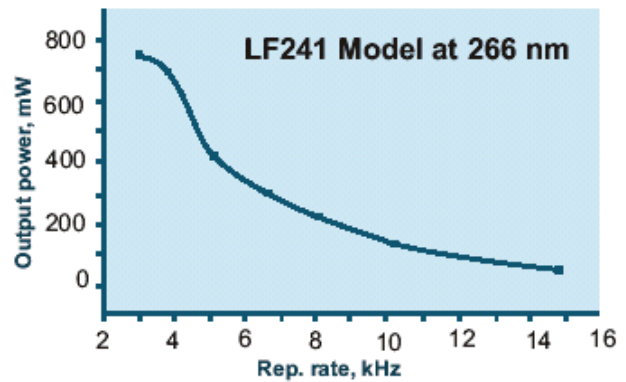
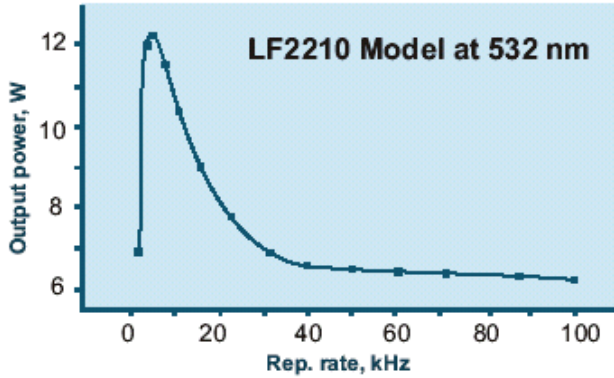
## Features

- ◆ The laser head design is based on solid Invar bars to ensure high-order thermal and mechanical stability for the laser cavity, and, as a result, high long-term stability and repeatability of laser output parameters are achieved.
- ◆ The intracavity second harmonic generation allows high output powers to be attained in the visible green with moderate arc lamp currents which improves the arc lamp lifetime to more than 400 hours.
- ◆ The Q-switch driver is designed to permit time (in/out) synchronisation of laser output pulses to start other lasers, external devices or processes, thus giving excellent opportunities for the LF2210 to be used as a pump for femtosecond Ti:Sapphire amplifier stages.
- ◆ The LF2210 emitting in the green can be achieved by a nanosecond high-efficiency, high-repetition rate Solar TII Ti:Sapphire laser (Model CF231) to allow output wavelength tuning across a broad spectral range from 700nm to 950nm (350 to 470nm for SHG option).

## Specifications

	<b>LF2210</b>	<b>LF241</b>
Mode:	MM	MM
Laser medium:	Nd:YAG	Nd:YAG
Wavelength:	532nm	266nm
Repetition rate:	1-15 kHz	1-15 kHz
Output power at 4 kHz R.R.:	10.0W (5.5W at 1kHz)	0.5W
Pulse to pulse stability at 4 kHz R.R.:	2.5%	4.0%
Beam Diameter:	3.0mm	3.0mm
Beam Divergence:	2.5mrad	3.0mrad
Standards Compliance:	EN 61010	IEC 601
Electrical Requirements	380VAC, 3 phase, 50/60Hz (200VAC, 3 phase, 50/60Hz)	
Overall Size (LxWxH)		
Laser Head:	900 x 200 x 225 mm	
Power Supply:	560 x 530 x 770 mm	

Average output power as a function of pulse repetition rate for:



**Dimensional Drawing**

