

# LS-2137U/2 Pulsed Nd:YAG Laser



*LOTIS TII LS-2137U/2 is an improved, short pulse modification of our power laser LS-2137 with VRM, which keeps such advantages of this model as rugged design, high stability and friendly used operation.*

VRM resonator gives excellent harmonics conversion due to increased spatial uniformity of output beam, low divergence and short pulse duration.

LS-2137U/2 the ideal tool for research (LIDAR, spectroscopy including LIF, LIBS) and OEM applications.

## Specification

Parameter	Value	
Energy, mJ	1064 / 532 nm	700 / 400
Pulse duration, ns	1064 / 532 nm	6-7 / 6-7
Pulse repetition rate, Hz	1-10	
Beam divergence, mrad	≤0.8	
Beam diameter, mm	≤8.0	
Jitter*, ns	±1.0	
Pointing stability, mrad	0.1	
Energy stability** (1064 nm), %	±3.0	
Size L x W x H, mm (Weight, kg)	Laser head	636 x 206 x 136 (21.0)
	Power supply	363 x 364 x 192 (16.0)
	Cooling system	363 x 364 x 280 (15.5)
	Remote control	105 x 175 (0.5)
Power requirements	Single phase, 220±20 V, 50-60 Hz, 750 W	

\* with respect to external trigger of Q-switch

\*\* shot to shot for 99% of pulses

