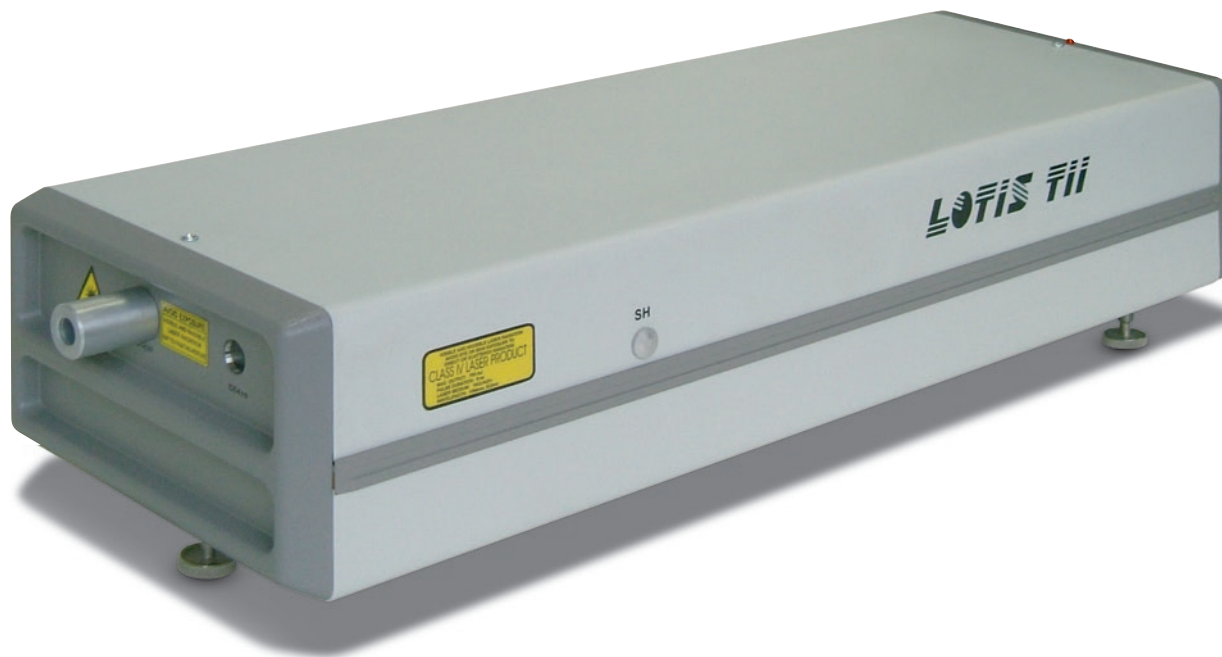


LS-2137U/2 Pulsed Nd:YAG Laser



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

