LS-2137/2 Pulsed Nd:YAG Laser

LOTIS TII model LS-2137/2 combines the compactness of LS-2134 laser with the increased energy and small divergence due to the intracavity telescope and special double rod laser pumping chamber which allows operation in the mode of oscillator-amplifier with a single power supply and a cooling system.

Using the unique laser chamber design reduces undesired parasitic oscillations that can limit output energy.

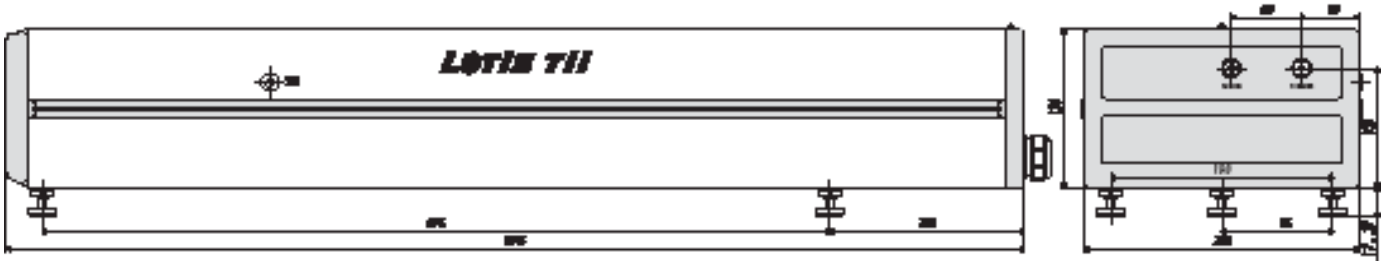
The closed and rigid folded structure of laser emitter provides small dimensions, stable and dust free operation of laser components.

There is no need for external water supply since the cooling system is totally self-contained with water-to-air heat exchanger.

Specification

Parameter		Value
Energy, mJ	1064 / 532 nm	700 / 400
Pulse duration (FWHM at 1064 nm), ns		16–18
Pulse repetion rate, Hz		1–10
Beam divergence, mrad		≤1.0
Beam diameter, mm		≤8.0
Jitter*, ns		±1.5
Energy stability** (1064 nm), %		±3.0
Size L x W x H, mm (Weight, kg)	Laser head Power supply Cooling system Remote control	876 x 236 x 136 (33.0) 363 x 364 x 192 (16.5) 363 x 364 x 280 (15.5) 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



For more information about LOTIS TII and its products visit **www.lotis-tii.com**