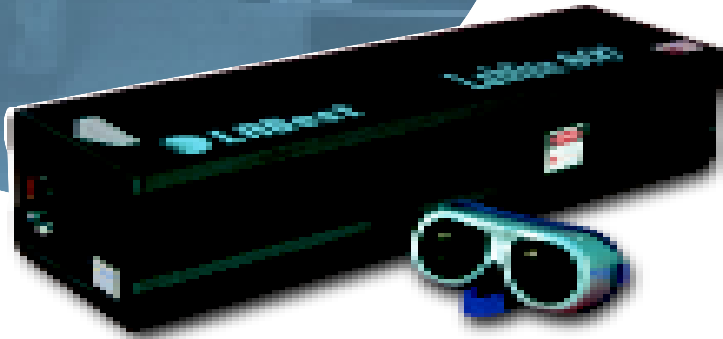


Lablite Series Q-Switched Nd: YAG Laser



With the latest 800mj (6ns) TEM₀₀ mode Lablite, LABest has significantly cut the long-term cost of ownership for this industrial-leading Nd: YAG harmonic waves laser. We've not only reduced the amplifier from two chambers to only one, but also redesign this pumping chamber with high efficiency — typically exceeding 6% (free running). Coherent optics and Cleveland Sol Gel coating technology insure our Lablite with higher anti-damage reliability and stability.

Lablite with choice of VRM (Variable Reflectivity Mirror), Cassigran telescopic and TEM₀₀ resonators can be configured to provide the desired combination of beam quality, divergence and pulsed duration.

The most up-to-date technology enhances Lablite with an excellent performance both on the specifications and the reliability. It is able to remove tattoos, benign pigment and muscular lesions from skin, and is applicable to architectural restoration, LCD Repair, and Marking. Lablite has been also widely accepted as ideal laser sources for PIV, OPO, Ti: Sapphire and other scientific research applications.

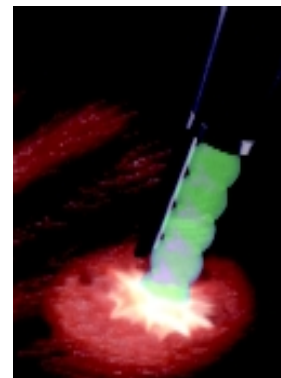
Applications

- Medical
- Industrial
- Scientific
- OEM and Customer Made

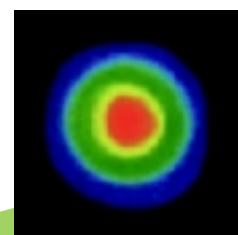
Features

- Compact and Efficient Design
- 800mj(6ns) TEM₀₀ Mode Output with Single Rod
- Good Beam Quality
- High Reliability for Laser Head and Power Supply
- Easy to Use

Application for Medical



Beam profile



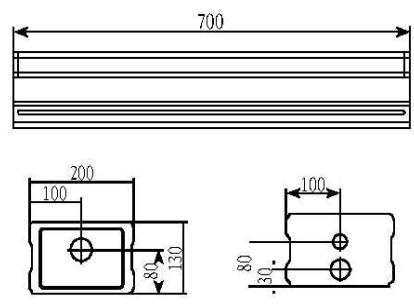
SPECIFICATIONS & UTILITIES:

Description	Lablite800	Lablite600	Lablite400	Lablite200	Lablite100
Repetition Rates (Hz)	1~10	1~15	1~20	1~30	1~50
Energy(mj) ¹					
1064nm	800	600	400	200	100
532nm	400	300	200	100	40
355nm	Option	100	60	30	Option
266nm	Option	50	30	20	Option
Spot size	8 mm	7mm	6mm	4mm	3mm
Beam Quality					
Near field	80%	80%	80%	75%	75%
Far field	95%	95%	90%	90%	90%
Divergence ²	<1mrad	<1mrad	<1mrad	<1.5mrad	<2mrad
Energy Stability ³	3~8%	3~8%	3~8%	3~8%	3~8%
Pulse Width @1064nm ⁴	6ns	7ns	8ns	8ns	8ns
Electrical Service	Single Phase 220V 10A 50/60Hz				
Room Temperature	18°C~25°C				
Humidity	<55 %				

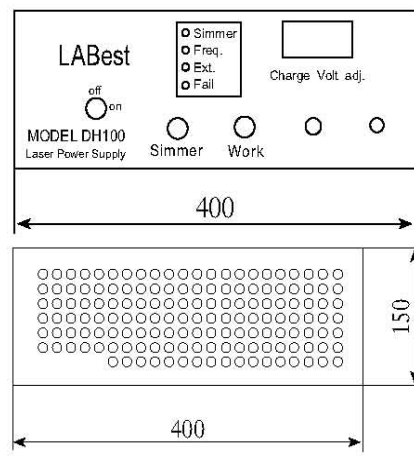
1. Different PRF. Rate with different energy output
2. Full angle for 86% of energy
3. Different wavelength with different energy stability
4. Full width half maximum.

PHYSICAL CHARACTERISTICS:

LASER HEAD



POWER SUPPLY



Due to LABest Laser continuous product improvement policy, specifications are subject to change without notice.



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