

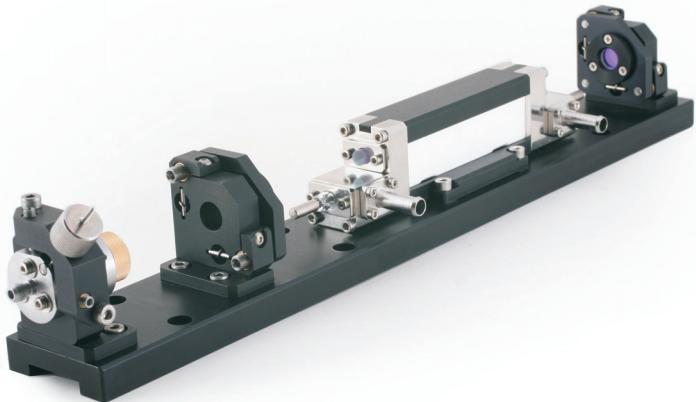
LNF Series OEM Laser Head

➤ Description

LNF series flashlamp-pumped pulse OEM laser heads operate in free-running mode with wavelengths 0.755, 1.06, 1.32 1.44, 1.54, 2.1, 2.94 um and are designed for medical and industrial laser systems.

Laser rods and flashlamps from the best manufacturers provide high efficiency and reliability.

We use stainless-steel pump chambers with glazed ceramic reflectors for efficiency and reliability. Unique fiber-coupler design provides efficient beam delivery



➤ Specification

	LNF-1064	LNF-2100	LNF-2940
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Input:

Max. Input Power	3 .5 kW	3.0 kW	2.0 kW
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Output:

Media	Nd:YAG	CTH:YAG	Er:YAG
Wavelength	1064 nm	210 8 nm	2940 nm
Output Power @ 2.0 kW	65W	50W	35W
Max. Pulse Energy	120J	6.0 J	5.0J
Spot Size	7mm	5mm	5mm
Slope efficiency	4.5%	3.2%	3.7%

Cooling:

Medium / Min. Flow	Water / 4.7 lpm
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Environment:

Operation Temperature	+10 ... +40 °C
Storage Temperature	-40 ... +85 °C
Humidity	90%, non-condensing
Size (LxWxH)	385x50x59 mm
Weight	2.0 kg

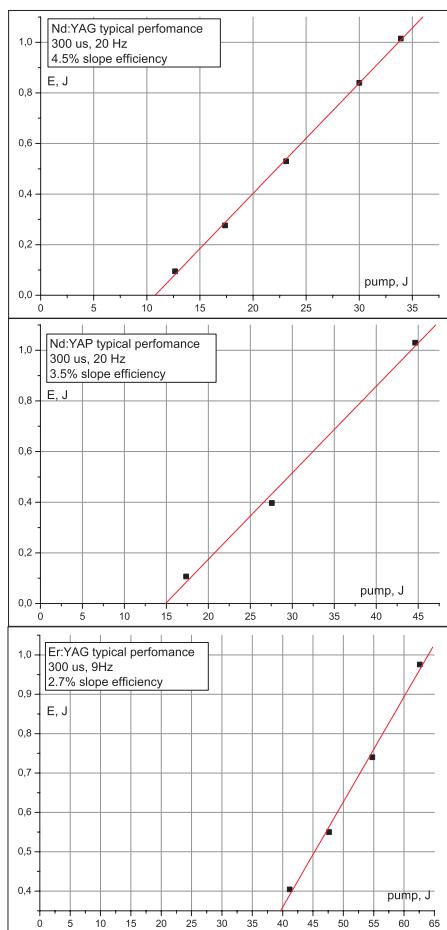
Features

- » Up to 3 .5 kW power load
- » Up to 120 W output power
- » High efficiency
- » Compact design
- » Cost-effective solution

LNF series laser heads are designed with the attention to cavity stability. Special design of mirror holders with adjustment screws blocking and base plate made from non-tensioned aluminium increase the mechanical and temperature stability of laser heads.

LNF Series OEM Laser Head

› Typical performance



› Applications

LNF series laser heads may be equipped with:

- metal coverage case;
- guide laser beam (1 ... 3 mW);
- fiber coupling unit;
- FHP-10 and/or FHP-20 collimating nozzles;
- FHP-30 raster fiber nozzle.

› Drawings

