High-power picosecond laser diode

Discover the LDH Series: high-performance picosecond diode laser heads with broad wavelength coverage for time-resolved techniques as well as LiDAR.

A very interesting 3D imaging application using our PICOPOWER-LD(TM) picosecond diode laser has been published by Stanford University. For more information please refer to the Stanford ...

Ekspla"s picosecond laser systems for industrial and scientific use. Explore high-energy, tunable, and fixed-wavelength models for micromachining and spectroscopy.

Picosecond Diode Lasers, Pico-LDs, are designed and manufactured by CrystaLaser in the USA. The lasers produce <80 ps short laser pulses with peak powers as high as 3 W.

In this paper, a high-power high-beam-quality picosecond laser based on the multiple stages diode-end-pumped Nd:YVO 4 master oscillator power amplifiers (MOPA) was demonstrated.

Maximize throughput and minimize cost-per-part with this high-power picosecond laser. Its wide operational range makes it suitable for use on nearly any material.

The PICOPOWER-LD series of the proprietary picosecond diode lasers covers the range 375 nm to 2300 nm with picosecond pulses as short as 12 ps and high peak power more than 2 W for specific ...

In this paper, based on a compact extra-cavity SHG of Yb:YAG MOPA laser in LBO crystal, a high average power at 515 nm with high repetition rate and picosecond pulse is achieved.

We developed a picosecond pulsed 1064 nm laser source with an average power of 261 W, a repetition rate of 1 MHz, and a pulse duration of 14 ps, using a gain-switched DFB laser diode ...

The PicoBlade 3 laser is available in IR (1064 nm), green (532 nm) or UV (355 nm) wavelengths with up to 60 W of UV power. The PicoBlade® 3 laser system is a versatile tool for processing virtually any ...

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