



PRESS RELEASE

May 9, 2000

100-Watt Frequency-Doubled, Diode-Pumped Nd:YAG Laser

Industrial-grade 100-Watt frequency-doubled (532-nm), diode-pumped Nd:YAG laser offers exceptional output power at a visible wavelength.

Lee Laser announces the Model LDP-200MQG, a frequency-doubled, diode-pumped Nd:YAG laser with a visible output beam power of 100 Watts at 532-nm wavelength. The LDP-200MQG is another of the company's Series LDP Nd:YAG Lasers that use a side-pumped laser-diode technology to achieve this high level of output power performance. At 100 Watts, the LDP-200M exhibits a remarkable beam quality of $m^2 < 20$.

The LDP-200M is available with an optional acousto-optic Q-switch as the Model LDP-200MQ. At 10 kHz pulse rate, the LDP-200MQ achieves a peak pulse power of (?) kW. Pulse stability is better than 10 % peak-peak at pulse rates up to 50 kHz. The cross-sectional beam profile of the LDP-200MQ is highly circular, making it ideal for ultra-high-speed industrial micromachining applications such as marking, ceramic scribing and microdrilling.

As with Lee Laser' other industrial-grade laser products, the Series LDP Nd:YAG Lasers incorporate the company's "simplicity breeds reliability" engineering concepts. According to Sales Vice President, Bob Schricker, "These lasers are intended to be serviced in the field. There is no reason at all for a laser ever to be returned to the factory for repair."

Lee Laser manufactures both CW- and pulse-pumped Nd:YAG lasers for a variety of light industrial applications. The largest single application for its CW-pumped Nd:YAG lasers, including the new Series LDP, is marking and engraving. The Model 650M/CD Pulsed Nd:YAG Laser, introduced in 1997, has become the lasers of choice for the manufacture of medical STENT devices and STENCILS used in surface mount technology. Lee Laser also offers high-power, frequency-doubled (532-nm) Nd:YAG lasers, both lamp-pumped and diode-pumped, with output power up to 50 Watts, that have become popular for entertainment use.

Accompanying Photo: Model LDP-200MQ, Diode-Pumped Q-switched Nd:YAG Laser with optional integral chiller unit.

For more information, contact Robert Schrickler, Vice President - Sales.

