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INSIGHT

Several new additions to the InnoLas Laser product range will be introduced during the LASER World of Photonics 2013 in Munich. Please visit us at: **Hall B1, booth 179**

NANIO AIR: New Air-cooled Industrial DPSS Lasers

InnoLas Laser is expanding its product line of industrial OEM lasers for material processing with the new NANIO AIR, based on the proven NANIO series platform. Available with output powers up to 16W @ 1064nm, 10W @ 532nm and 3W @ 355nm the NANIO AIR lasers are designed for micro machining applications that require excellent beam quality and high intensity pulses over a wide range of operating conditions without the need for water cooling. The compact and air cooled system comes with an exceptionally small 1 RU power supply and features quick connectors, wide range AC or 24VDC supply voltage and the field proven InnoLas Laser Control (ILC) interface which is common to all InnoLas industrial lasers.



NANIO DIRECT DIODE: New Fiber Coupled Diode Laser Systems

The new NANIO DIRECT DIODE lasers significantly enhance the product range of InnoLas Laser with 810nm fiber coupled diode lasers for industrial applications ranging from 50 to 100W in a 400µm industrial grade armored fiber. The complete air cooled system is only 2 RU high and features the same (ILC) interfacing as all other InnoLas industrial lasers. Based on patented single emitter technology this laser was designed for longest diode life times, ease of integration and operation. The armored delivery fiber with an industry standard SMA 905 connector allows quick connection with optional available imager or collimator modules or commercially available beam delivery packages.



SpitLight OPO

Many years of experience in working with DPSS lasers have been combined with the latest optical parametric oscillator technologies by InnoLas Laser and led to state of the art OPO Laser systems with repetition rates of up to 100Hz. Innovative design combines both techniques in one compact housing. InnoLas OPOs will be available in standard as well as compact versions and with both broadband and midband outlets. UFS-Technology stands for ultrafast wavelength shifting with the option of varying the wavelength for each pulse if needed.



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NANIO Series Expanded to Higher Power UV

InnoLas Laser is expanding its NANIO product line of UV lasers for material processing. The new NANIO 355-6-V-80 offers 6W of laser power at 355nm making this laser a perfect tool for many demanding micromachining applications like glass cutting, ceramic drilling, sapphire scribing or via hole drilling.

The widely used NANIO 355-2-V is now released to be used up to 3W of UV power and is therefore renamed to NANIO 355-3-V. In addition to the stereo lithography and quality marking business the power enhancements enables many new applications like polyimide cutting, ITO patterning or wafer scribing. The unparalleled performance and laser features as well as the competitive pricing make these new lasers attractive tools for your most demanding applications.

New NANIO Lasers at 1342nm and 1064nm

NANIO 1064-20-20 is the latest release of the NANIO 1064nm series. Optimized for a short pulse width of <10ns and high pulse energies of >1mJ at 20kHz this laser offers extremely high peak powers of >100 kW. This laser is perfect to improve the 1064nm ablation quality and minimize HAZ while working on brittle or temperature sensitive materials.

While 1064nm lasers are standard in today's laser applications, 1342nm lasers have been wrongly overlooked when choosing the right laser for an application because no high power Q-switched lasers were commercially available. With the introduction of the NANIO 1342-8-V InnoLas Laser now offers 8W of Q-switched 1342nm laser power enabling many new application processes especially in semiconductor and solar cell market.

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