

01/14

INSIGHT

More room for more innovation

In order to satisfy the need for more R&D and production space due to a growing product range InnoLas Laser GmbH is expanding its factory space by approx. 360 m². So now there is plenty of space for innovative ideas – indeed some promising new products have already been presented at our International Sales Meeting, held in May 2014.

High Speed UV Laser for Display Production

High repetition rate without compromising on beam profile is the key feature of the new InnoLas NANIO 355-1-V-400 UV laser. The laser is optimized for high pulse frequencies of up to 500 kHz and produces 1 W at 400 kHz. Outstanding pulse-to-pulse stability and diffraction limited beam quality make this laser an ideal tool for display production and micro structuring. Based on the well established NANIO platform it guarantees industrial grade performance. Integration in a wide range of machine setups made simple by features such as unpluggable laser head and power supply, a failsafe safety shutter and the well-known ILC laser interface, which is common to all InnoLas industrial lasers.

(i) For more information please contact Martin Paster: +49 (0)89 899 360 – 1405
Martin.Paster@innolas.com

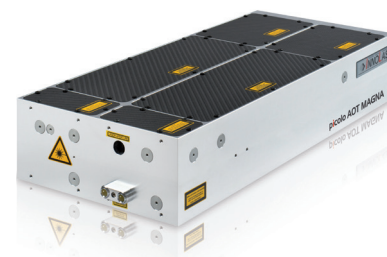


No Compromise: NANIO 355-1-V-400

High Energy Sub-Nanosecond Laser with 2GW Peak-Power

With maximum pulse energy of 1000 mJ at only 500 picoseconds pulse width, the new piccolo AOT MAGNA laser system from InnoLas Laser GmbH enables superior results in many scientific applications. While the lamp-pumped version generates Gigawatt peak-powers up to 20 Hz repetition rate, the DPSS versions offer up to 200 Hz repetition rates. The piccolo AOT MAGNA was developed by integrating two standard systems, the piccolo oscillator and the SpitLight High Energy series, in a common monolithic housing. This platform allows flexible customization to meet special customer requirements. By using standard components which have proved their reliability over many years, long term stability is guaranteed for even the most demanding experiments. Single longitudinal mode (SLM) operation, short pulse duration and high pulse energy enable many applications such as LIDAR, time-resolved spectroscopy or nonlinear optics. Additionally, the piccolo MAGNA can be an attractive alternative to expensive mode-locked lasers in some applications.

(i) For more information please contact Andreas Boerner: +49 (0)89 899 360 – 1438
Andreas.Boerner@innolas.com



**High Energy, High Peak Power:
 piccolo AOT MAGNA**