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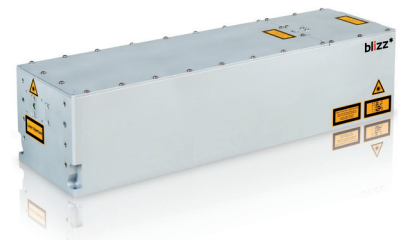
# INSIGHT

## InnoLas Photonics GmbH – New Company for Industrial Laser Business

In order to better address current market needs we have recently concentrated the industrial laser business in a new entity, namely the InnoLas Photonics GmbH. Our activities in the area of scientific lasers remain unchanged and will – as before – be performed out of the InnoLas Laser GmbH. Both companies' location will remain in Justus-von-Liebig-Ring 8, 82152 Krailing, Germany. Also unchanged is the team, knowhow and motivation behind the companies name. All the familiar faces, which have been part of the industrial team during the past years, will be happy to assist you with your needs and requirements.

## 30W Green with Unparalleled Cost-Performance

The BLIZZ is the latest addition to InnoLas Photonics' broad line-up of Q-switched DPSS lasers, engineered for superior reliability and performance. Coming with a disruptive cost-performance ratio the BLIZZ is made for demanding 24/7 industrial applications that require excellent performance but lowest cost-of-ownership. Based on the field proven NANIO SERIES the BLIZZ's new design cuts down system costs significantly without any trade-offs in quality or laser lifetime. With pulse widths as short as 20ns the BLIZZ is currently available in two versions, the BLIZZ 532-30-V with 30W average power at 50kHz and the BLIZZ 532-20-V-300 with 20W at 300kHz. High power UV versions at 355nm are to follow.


**blizz\***

## 5W Green and 1W UV in the Palm of Your Hand

The new mosquito X lasers are the latest expansion in the mosquito family of Q-switched mini DPSS lasers, with more than double the output power than the existing mosquito models. With pulse widths as short as 10ns the mosquito X lasers are available with 6W@1064nm, 5W@532nm and 1W@355nm. With its unparalleled small footprint, exceptional performance, rock solid construction, its versatile options and ease of integration, the mosquito X is the perfect choice for laser marking or micro machining applications like in PV or semiconductor manufacturing.


**mosquito\*X**

## The World's First All-In-One DPSS Laser Marker

The brand-new Air Mark combines laser head, power supply, beam expander and scanning unit for the first time in one revolutionary small design. Based on the field proven NANIO AIR series, this all-in-one system is available with 16W IR, 10W green and 5W UV, a variety of beam expanders and scanning systems perfectly adapted for your specific application. The Air Mark is the ideal OEM solution for industrial customers combining all standard purchased parts in one compact device using the XY2-100 scanner interface but leaving the proprietary control and software competences in the hand of our customers.


**air..mark\***

(i) For more information please contact Martin Paster: +49 (0)89 899 360 – 1205  
 Martin.Paster@innolas.com

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## High power DPSS laser with 1 J pulse energy

Key feature of the new DPSS laser series "DPSS EVO" by InnoLas Laser GmbH is the combination of high pulse energy with high average power. The EVO is currently available with up to 1 J pulse energy at a repetition rate of 100 Hz, resulting in an average power of 100 W (@ 1064 nm).

Further convincing arguments for the EVO series are the excellent size to power ratio resulting from the compact monolithic design, as well as the scalability of the layout offering the EVO in expansion stages (from I to IV for different output energy). In addition, the EVO offers integrated harmonic generation with software controlled crystal tuning and fully integrated energy monitors for different wavelengths. Typical laser applications will be spectroscopic techniques like LIDAR, LIF or LIBS, as well as all real time imaging or ablating methods relying on high repetition rates.

**(i)** For more information please contact Christoph Loge: +49 899 360 1402  
 Christoph.Loge@innolas.com



**SpitLight EVO**

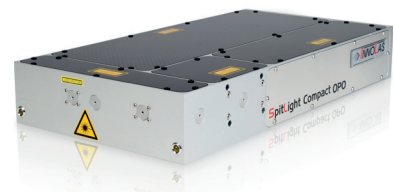
## SpitLight Compact OPO

As a new addition to the SpitLight OPO family the new Compact OPO combines high pulse energies up to 80mJ in the nanosecond range with extremely fast wavelength shifting – well suited for many scientific applications. These high pulse energies can be reached very cost effectively with the flashlamp-pumped version whereas the diode pumped version offers high repetition rates up to 200Hz while still keeping its footprint small. The latter is a combination of the state-of-the-art SpitLight 600 OPO setup and the new SpitLight EVO series in a single compact monolithic housing. All SpitLight OPOs have a tuning range from 210 to 2400 nanometer and are available in both a broadband and midband (<5cm<sup>-1</sup>) version.

Long term stability for demanding applications in the photoacoustic or spectroscopy field is guaranteed by using well tested and approved components. At the same time the platform allows flexible solutions to meet customer requirements such as UV option, pulse-to-pulse-attenuation, integrated monitoring of spectral data and pulse energy.

All OPO functionality can be accessed by the operating software. The communication can be integrated into any network. This makes system integration as easy as possible.

**(i)** For more information please contact Christian Menhard: +49 899 360 1423  
 opo@innolas.com



**SpitLight Compact OPO**