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## PRESS RELEASE

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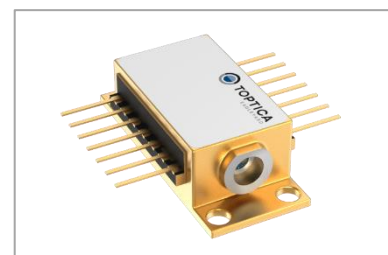
### **An exciting start to the new year: New wavelengths, new types of packages, new features and a new corporate design**

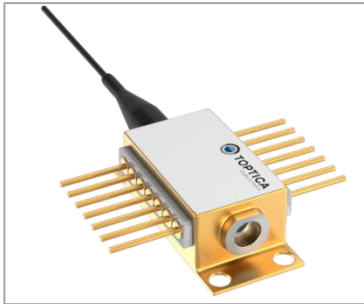
**Berlin/Munich, January 15, 2023** TOPTICA EAGLEYARD is starting off the new year with a lot of news, all of which will be publicly announced at SPIE BIOS and PHOTONICS WEST: In addition to the increase in the available wavelengths in the recently launched new products, there is also a newly designed butterfly package. A completely new corporate design as well as a new website further highlights the innovative character of the Berlin-based company.

#### **More Wavelengths, Package Update & Evaluation Board**

The two core products, *miniTA* and *miniECL*, which were successfully launched last year, will be available in additional wavelengths as of February. Both highly integrated laser diodes are available in butterfly packages — due to this robustness they are true game changers in the end application.

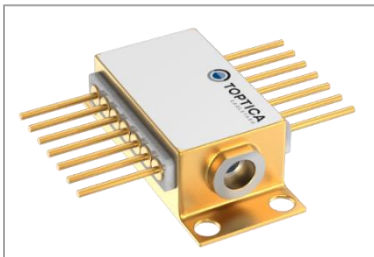
The *miniECL*, as a single frequency laser diode, has a very narrow linewidth of typically only 100 kHz, which enables its use in spectroscopy, quantum technology, metrology and atomic clocks. The integrated cavity allows for stable performance. The laser diode is available in the standard 80 mW in 770 nm (K D1 line), 780 nm (Rb D2 line), 852 nm (Cs D2 line) and 895 nm (Cs D1 line). Wavelengths in the range of 650–1100 nm can also be custom made.





As a tapered amplifier, the *miniTA* has a fiber-coupled input and collimated output beam and is available in an optimized butterfly package with 14 thicker pins starting in February. This hermetically sealed housing is particularly advantageous in industrial applications, as the thicker pins guarantee an ideal supply of power. Furthermore, the forming of the beam, as well as thermal management, are also integrated. Users can enjoy the easy

plug-and-play aspect of the fiber plug of the seed laser. The *miniTA* is available in the following configurations starting in February 2023: 1.5 W @ 765 nm (covers 767 and 770 nm), 3 W @ 780 nm, 2 W @ 795 nm, 2 W @ 852 nm. An Evaluation Board will be available for the product starting in February, making commissioning even easier and testing faster.



The new Evaluation Board is also available for the *μMOPA*, a recent innovation that was nominated for the SPIE Prism Award. For the first time ever, a DBR laser has been monolithically integrated on to the same chip as the tapered amplifier. It has the same application advantages as the *miniTA* because of its hermetically sealed new butterfly housing that has 14 thicker pins. Since the launch of the product, users from the fields of interferometry and Raman

spectroscopy in particular have appreciated the narrow linewidth of typically 3 pm, as well as integrated beam formation and thermal management. The *μMOPA* is available in the configuration of 2 W @ 1064 nm.

## New Corporate Design

In 2023, TOPTICA EAGLEYARD will continue to push forward with its innovative developments and, together with its customers, will operate in a more sustainable manner to help change the world for the better, one small step at a time. The company has already clearly demonstrated its innovative strength with the launch of four new products last year. Starting in 2023, the availability of new wavelengths, as well as improved package types, will be the focus of the company in order to turn the company's vision

into reality: **"We shape the future with our unique laser diodes: With our clients, we go beyond. Together we reach the unreachable."**

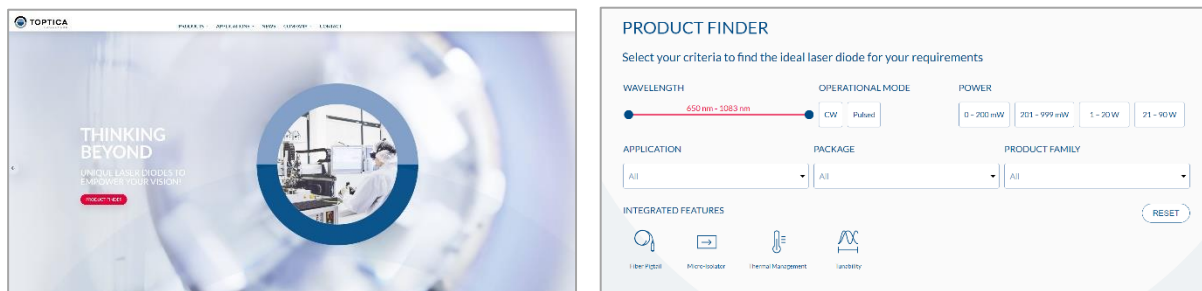
TOPTICA EAGLEYARD employees are visionaries, but they nonetheless maintain a hands-on approach, which is an ideal blend for helping customers achieve their personal visions. This is also reflected in the company's new claim, "THINKING BEYOND" — something that every employee on both the company and customer side does to help bring about real changes for the future.

It is only fitting then that TOPTICA EAGLEYARD will present its new corporate design for the first time at SPIE BIOS/PHOTONICS WEST: The dark color scheme has been replaced with a modern, clean blue-white-gray world. The focus is not only on the company itself, but always



on the customers, who are themselves represented by various product applications. Two worlds that harmoniously work together to achieve great things and live up to the “THINKING BEYOND” claim. The viewer therefore gains valuable insights into the special manufacturing of TOPTICA EAGLEYARD.

The company will provide some more insights with the launch of the new website at the end of January. The highlight of the new website is the interactive Product Finder, where the entire product portfolio can be searched according to selectable criteria so that the right laser diode can be found even faster.



Visitors to SPIE BIOS/PHOTONICS WEST in San Francisco can learn about the products and additional features at the booth (BIOS #8209 / PW #3209) and have their own visions drawn for them: An artist will be live on site to create new works of art that not only portray TOPTICA EAGLEYARD's vision, but also that of customers and trade show visitors.

Further product information will be available on the new website [www.toptica-eagleyard.com](http://www.toptica-eagleyard.com) at the end of January.

#### **About TOPTICA EAGLEYARD:**

TOPTICA EAGLEYARD is based in Berlin, Germany, and is a leading supplier of high-power laser diodes with wavelengths ranging from 630 nm to 1120 nm. TOPTICA EAGLEYARD's products are used around the globe and combine maximum performance and unparalleled service life with excellent beam quality, making them especially suitable for industrial, medical, scientific, and aerospace applications. TOPTICA EAGLEYARD came about in 2002 as a spin-off from the renowned Ferdinand-Braun-Institut (FBH). Today, it plays a leading role in its sector thanks to its exceptional GaAs-based laser diode portfolio. By properly and professionally applying its expertise, experience and know-how, it has developed research results into marketable products that are sold worldwide, either directly or through partners. TOPTICA EAGLEYARD has been part of the TOPTICA Group since 2013. You can find more at <https://www.toptica-eagleyard.com>.