Eagleyard Photonics GmbH
Rudower Chaussee 29
12489 Berlin, Germany

Marketing Contact
Stephanie Hannibal
stephanie.hannibal@toptica-eagleyard.com
+49 30 6392 4561 / +49 01752233563

PRESS RELEASE

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EAGLEYARD at Laser World of Photonics 2025: Plug & Play Innovation Meets Creative Engineering

Berlin, July 8th, 2025*:* At this year's Laser World of Photonics, TOPTICA EAGLEYARD demonstrated that **Plug & Play is more than a product feature** – it's a mindset. With a booth designed to surprise, engage and inspire, and with new product launches, the company delivered a performance that left a lasting impression.

With a strong focus on **plug & play laser integration**, EAGLEYARD presented its **new generation of compact, fiber-coupled laser diodes**, including:

- **DFB Laser @ 795 nm (Fiber-Coupled)**
- **miniECL @ 795 nm** (Free-space & fiber-coupled external cavity lasers)
- **miniECL @ 770 nm (Fiber-Coupled)**

Engineered for OEM integration, these platforms provide **plug-and-play solutions** and are **optimized for miniaturization, offering increased stability, reliability, and scalability**—ideal for transitioning advanced photonics technologies from R&D into real-world, industrial applications.

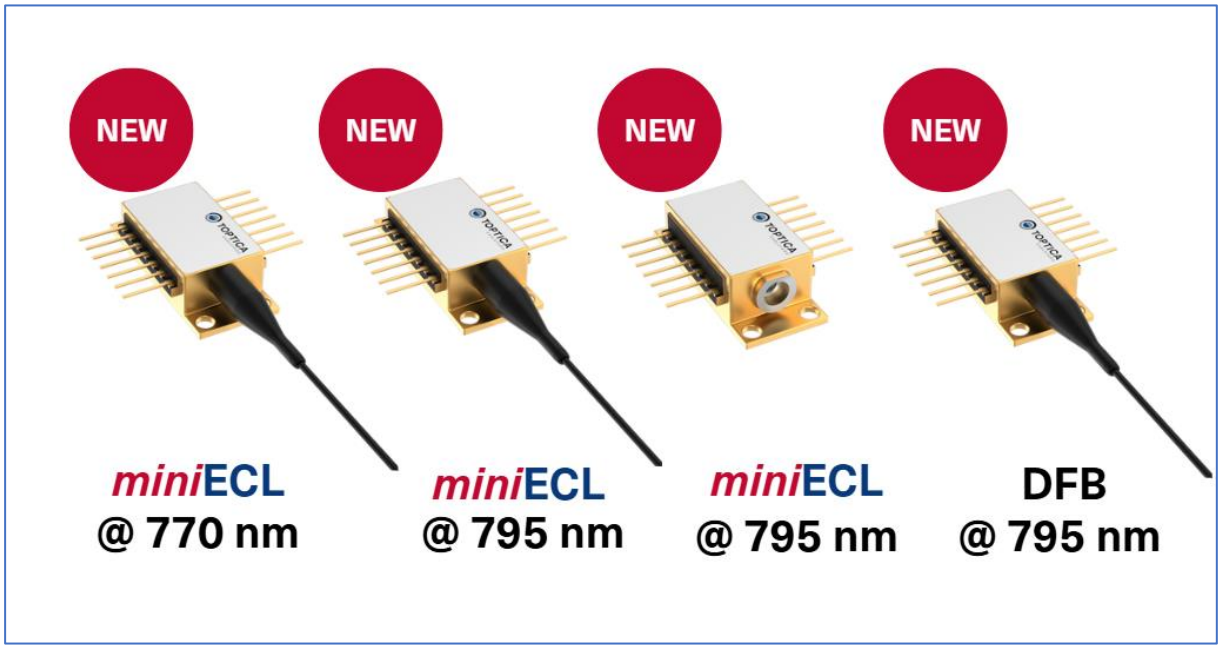

Figure 1: TOPTICA EAGLEYARD's new launches

EAGLEYARD's *mini*TAs complement the *mini*ECLs or DFB lasers in a fully fiber-MOPA configuration, providing a compact, **reliable alternative to high-maintenance and sensitive macroscopic laser systems**. These new solutions open the door to a range of emerging use cases. The new fiber coupled *mini*ECL and DFB at 795 nm are a game changer for example for Optically Pumped Magnetometers (OPMs) for biomedical diagnostics—offering room-temperature, portable alternatives to cryogenically-cooled SQUIDs for detecting weak bio-magnetic signals from the brain or heart.
For **OEMs** developing next-generation **medical, sensing** and **quantum technology systems**, this combination delivers a robust, scalable path forward—with lower complexity and higher reliability.
EAGLEYARD is committed to supporting the **industrialization of photonic and quantum technologies with practical, field-deployable solutions**.

But this year's success wasn't only technical – it was also **emotional and visual**:
More than 1,200 visitors helped build **EAGLEYARD's THINKING BEYOND wall**, brick by brick. Over 1,000 guests walked away with their own mini EAGLEYARD rocket kits. And with 18,000 bricks, the team assembled a towering **EAGLEYARD rocket** live on-site – a powerful symbol for innovation, precision, and team spirit. Another highlight: Visitors were greeted by LUMY, EAGLEYARD's friendly new mascot – cleverly assembled from elements of the company's own product portfolio. With a mix of charm and photonics flair, LUMY became a true crowd favorite, posing for many selfies. Guests were even invited to help LUMY assemble a fiber-coupled *mini*ECL in a fun, interactive body-tracking game, which quickly became a favorite stop.

Figure 2: Impressions from TOPTICA EAGLEYARD's booth at Laser World of Photonics

Watch the **highlight video** and revisit the energy and dive deeper with voices straight from the show floor:
🎙 **Michael Kneier**, VP Sales & Marketing, shares how customers can benefit from EAGLEYARD's space experience
🎙 **Daniel Brauda**, Sales & Product Manager, reveals what makes the *mini*ECL and *mini*TA series not just smart, but game-changing
🎙 **Claus Heitmann**, CEO, reflects why he is so proud and elaborates on EAGLEYARD's plans for the future

If you're curious about the creation of the giant rocket, have a look at the timelapse video.

Watch the full recap, feel the momentum, and join EAGLEYARD as they continue to THINK BEYOND. 🚀

Highlightvideo: https://vimeo.com/1099295173?share=copy#t=0
Timelapse video: https://vimeo.com/1099297198?share=copy#t=0

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 space applications. TOPTICA EAGLEYARD was founded 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 www.toptica-eagleyard.com.