

Press Release

AMS Technologies Powers Photonics and Cooling Innovation at Laser World of Photonics 2025

Planegg, Germany – May 30, 2025 – AMS Technologies AG will present innovations in photonics and cooling at booth B2.203 on Laser World of Photonics 2025 in Munich, Germany.

This year, the focus will be on the following four technology areas:

Precision laser micromachining is vital to produce extremely small structures with high accuracy. Conventional systems for micromachining are often rigid and difficult to adapt to new tasks. AMS Technologies will showcase a system that combines the ease of a turnkey solution with the flexibility of a modular system – ideal for evolving production and process development needs.

Photonic Integrated Circuits (PICs) are central to many advanced applications due to their compactness, energy efficiency, and high performance. However, post-processing and inspection demand extreme precision and require careful planning of production workflows. AMS Technologies will exhibit a suite of adaptable tools – including high-precision polishing and inspection systems – that help PIC manufacturers streamline their toolchains while maintaining consistent, high-quality output.

Laser cooling and other high-tech applications rely on accurate thermal management. With the EU F-gas regulation mandating a phase-out of high-GWP refrigerants by 2027, manufacturers must adopt sustainable alternatives. AMS Technologies supports this transition with a new series of environmentally friendly cooling kits and chillers, ensuring a timely shift without compromising performance.

Finally, **engineering services and production subcontracting** can provide companies with rapid access to specialized expertise and scalable manufacturing capacity. With expanding design and production centers located across Europe, AMS Technologies enables customers to boost their capabilities through outsourcing while keeping operations local.

AMS Technologies AG serves over 2,000 European customers across diverse high-mix, low-volume technology sectors such as life sciences, defense and aerospace, industrial manufacturing, energy and cleantech as well as research & scientific.

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More about AMS Technologies:

AMS Technologies, a team of around 100 innovative minds, is a one-stop shop with combined expertise in optical technologies, thermal management, and power electronics. With a wide network of qualified suppliers and our own capacities for engineering, testing, and production, we help our clients solve their technical challenges.

We believe the best solution for our clients always comes first. Our headquarter is in Martinsried near Munich, Germany, our Engineering and Production sites are in Hanover, Germany, Krakow and Skawina in Poland and the United Kingdom. With local sales offices in Germany, the United Kingdom, France, Italy, Spain and Sweden, we are close to our clients.

Over 40 years of experience has enabled us to cater to the needs of more than 2000 European clients from a wide range of high-tech sectors, such as life sciences, defense and aerospace, industrial manufacturing, energy and cleantech as well as research & scientific.

We support universities, spin-offs, and start-ups in their journey to become technology leaders of tomorrow – and we are proudly working with many of the most successful and influential European corporations.



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