

AAC Technologies and Eulitha Announce Use of Eulitha's Optical Lithography for Volume AR Waveguide Production

[San Francisco] — January 22, 2026 — AAC Technologies, a global leader in advanced consumer electronics components and modules, and Eulitha AG, a pioneer in high-throughput optical lithography, today announced at the SPIE AR/VR Conference that AAC will begin utilizing Eulitha's lithography technology for the volume production of Augmented Reality (AR) waveguides. This represents a significant milestone in the industry's pursuit of scalable and affordable AR waveguide manufacturing.

AR devices are widely expected to become a primary interface for ubiquitous access to information through small displays placed in the user's field of view. These devices are especially effective for the seamless delivery of AI-generated information. Periodic nanostructures, often called diffractive optics, are patterned on glass plates (waveguides) to enable images to be projected to the user's eye while maintaining a clear view of the surroundings. Eulitha's proprietary optical lithography technology enables the high-fidelity printing of high-resolution periodic patterns required for these diffractive optics at a low cost. The technology is akin to the photolithography methods that serve as the backbone for semiconductor fabrication, leveraging the same established supply chains for photomasks, photoresists, and EDA tools.

Production using Eulitha's technology is expected to be available at AAC's manufacturing facilities within this year, marking an important step toward meeting the growing demand for next-generation AR devices.

Howard Tao, Head of the AR/VR Business Unit at AAC Technologies, said: "We have been collaborating with Eulitha to qualify their unique optical lithography technology for our production lines and have been impressed by the performance. We are enthusiastic about the potential of this adoption to boost our position in this competitive field, thanks to the high-quality and low-cost production enabled by Eulitha's tools."

Harun Solak, CEO of Eulitha AG, added: "The adoption of our technology by a leading manufacturer like AAC is a significant step in the recognition of the advantages we offer to our customers. We believe the high throughput and reliability enabled by optical lithography will address the scalability issues currently facing the AR industry. We look forward to continuing our collaboration with AAC Technologies to enable the production of leading AR devices for consumers worldwide."

AAC Technologies brings deep expertise in optical components, modules, and system-level integration. Through in-house capabilities and partner integration, AAC offers fully

functional composite AR display modules, including waveguides, light engines (LEA), electrochromics, push/pull lenses, and eye-tracking, to its global customers.

This collaboration highlights a shared commitment by AAC and Eulitha to accelerate the industrialization of AR waveguides and support the broader ecosystem as AR moves toward mass-market adoption.

About AAC Technologies

AAC Technologies is a leading provider of sensory experience solutions with the goal of building the future of interactive sensory technologies. Through continuous innovation, we have established long-term strategic partnerships with global smart device clients. We have strong capabilities in Acoustics, Optics, Haptics, Sensor and Semiconductor, and Precision Manufacturing based on decades of industry experience. We keep innovating sensory technologies to create new interactive experiences, focusing efforts on smartphones, intelligent vehicles, virtual reality, augmented reality, and smart homes to help create a new era of sensory experience.

About Eulitha AG

Eulitha AG provides high-throughput optical lithography solutions for nanostructured surfaces. Its proprietary photolithography platforms enable scalable manufacturing of advanced optical components, including AR waveguides, semiconductor lasers such as DFB and VSEL lasers, telecom gratings, and polarizers. Eulitha is a complete solution provider with products encompassing demonstration and application support services, computational modeling, lithography equipment, installation and maintenance services. It serves its customers from its headquarters in Switzerland and field offices in the USA and China.

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