



Optatec **in focus** im fokus

The latest news from the International trade fair for optical technologies, components and systems

www.optatec-messe.de



Technical presentations and webcasts *page 22*

Optatec 2026 Exhibition guide *pages 24/35*

Welcome to Optatec 2026

Willkommen zur Optatec 2026

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Welcome to Optatec in Frankfurt, the center for 'excellence in optical technologies'

Optatec, the trade fair for optical technologies, components, and systems, will be held in Frankfurt am Main from May 5 to 7, 2026, focusing on the technical use of light.



Frankfurt Messe; the city's exhibition center and Optatec venue.

This year's edition will showcase the latest developments in the fields of optical components, optomechanics, optoelectronics, fiber optics, optical waveguides, laser components, digital microscopy, as well as processing machines and manufacturing systems for the production of optics.

This highly specialized event for optics and photonics is recognized as a leading trade fair with a high degree of internationality and showcases optical technologies, components, and systems at the highest level.

Meeting place for friends of light

As a central transport hub close to Germany's largest commercial airport and direct motorway connections, the traditional exhibition location of Frankfurt offers optimal accessibility for international trade visitors and exhibitors from all over the world. The Rhein-Main region, with Frankfurt at its center, is a strong location for business, industry, and research, offering easy access to users and potential customers of photonics.

The region has strong links to the optical industry – at Frankfurt University of Applied Sciences and other nearby universities, optics and photonics are well-established fields of research with their own specialized laboratories.

Visiting the trade fair in Hall 3 is convenient thanks to the ground-level exhibition site; in addition, the favorable location with direct S-Bahn connection (Frankfurt Hbf.) makes it easy to get to the exhibition.

For full event information, www.optatec-messe.de/en

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Contents

- P. 06** Welcome from Bettina Schall, managing director of P. E. Schall GmbH
- P. 07** Introduction from Fabian Krüger, Optatec's project manager
- P. 08** Optatec Technology Park: training and research, and studying photonics
- P. 10** Chalmers miniaturizes biosensor for smaller and cost-effective devices
- P. 11** Airbus and TNO demo secure laser link between aircraft and satellite
- P. 12** imec-led consortium to develop chip roadmap 'beyond CMOS'
- P. 14** Photonics Talks
- P. 18** TNO and HTC Eindhoven to build 6in InP wafer factory
- P. 20** ASML rise continues on renewed confidence in sustained AI boom
- P. 22** Optatec 2026 Forum
- P. 23** Exosens confident of double-digit annual growth in strong defense market
- P. 24** Optatec 2026 Hall Floorplan
- P. 26** Optatec 2026 Exhibitor Directory



Leading innovations for the future on show at Optatec 2026

Welcome to Optatec – come see ‘excellence in optical technologies’

An international audience of experts will gather for the 17th Optatec, the international trade fair for optical technologies, components, and systems, from May 5 to 7, 2026, at the traditional exhibition venue in Frankfurt/Main.

No other trade fair venue brings together international experts, manufacturers, and users in such a focused and specialized way as Optatec. Highlights of this year’s supporting program include specialized technical presentations and discussion panels as part of the “Photonics Talks” series, as well as the presentation of the Photonics Frontiers Award.

Optatec, the trade fair for optical technologies, components, and systems, will be held in Frankfurt am Main from May 5 to 7, 2026, covering the technical use of light in many different facets. The trade fair will showcase the latest developments in the fields of optical components, optomechanics, optoelectronics, fiber optics, optical waveguides, laser components, digital microscopy, and processing machines and manufacturing systems for the production of optics.

This highly specialized platform for optics and photonics is recognized as a leading trade fair with a high degree of internationality and showcases optical technologies, components, and systems at the highest level. Optical technologies are among the technologies of the future because they bridge the gap between basic physical research and modern technical applications in many industries.

Examples of photonics applications can be found in many areas and industries and are certainly present in everyone’s everyday life. For example, optical elements and practical photonics play an important role in the pharmaceutical and medical device industries, in mechanical and plant



Photo: P.E. Schall.

Specialist advice: The exhibitor forum at Optatec is designed to be a communication platform focused on expert visitors.

engineering, in industrial production, in automotive engineering, in laboratory automation, in traffic safety, as well as in astronomy, microscopy, and in safety and security applications.

Exclusive expertise and discussions at Photonics Talks

This year, trade fair organizer P. E. Schall promises a special supporting program, including the “Photonics Talks,” which will focus on the connection between optical technologies and engineering, natural sciences, and industry.

The morning of the first day of the trade fair will be dedicated to the topic of defense; half-hour specialist presentations will highlight current developments and applications of photonics in the security and defense sector. This will be followed at noon by a panel discussion with the speakers.

The thematic focus in the afternoon will then shift to “semiconductor manufacturing and inspection”—the half-hour technical presentations will address the role of optical technologies in semiconductor manufacturing and quality assurance. In the afternoon, another panel discussion

with the speakers will round out the first day of the trade show.

On the second day of the trade fair, the Photonic Talks will focus on the field of “automotive sensors/sensors for autonomous vehicles.” Speakers will again address this topic in half-hour technical presentations and discuss their findings at noon in a moderated panel discussion.

The technical presentations in the afternoon will be devoted to life science/biophotonics and will provide insights into optical technologies for medical diagnostics, imaging, and bioscientific applications.

The speakers will conclude the second day of the trade fair with another moderated panel discussion. The Photonics Talks at Optatec 2026 will thus offer a compact overview of current developments in key areas of photonics and create space for professional exchange, discussion, and networking within the international community.





Photo: P.E. Schall.

Perfect stage for technological innovations at the Photonics Frontiers Award

“Another highlight we are very much looking forward to is the presentation of the Photonics Frontiers Award, which perfectly complements the high-caliber and exciting supporting program at Optatec 2026,” emphasizes Bettina Schall, Managing Director of the trade fair company P. E. Schall. “With this prize, the award organizer Electro Optics honors application-oriented projects that solve real-world problems thanks to photonics technology. In this way, the award will demonstrate the capabilities of photonics,” says the trade fair director.

The award recognizes developments that open up new avenues, spark enthusiasm for technological innovation, and shape the future of photonics. Awards will be given for achievements in the categories of biophotonics and medical applications, industrial imaging, industrial laser systems, optical communication and data transmission, quantum technologies and optical computing, sensor and measurement applications, as well as defense/aerospace.

An excellent jury of experts evaluates the applications. The award ceremony will take place on the second day of the trade fair, May 6, 2026, at 3:30 p.m. in the exhibitor forum at Optatec 2026. Trade visitors and

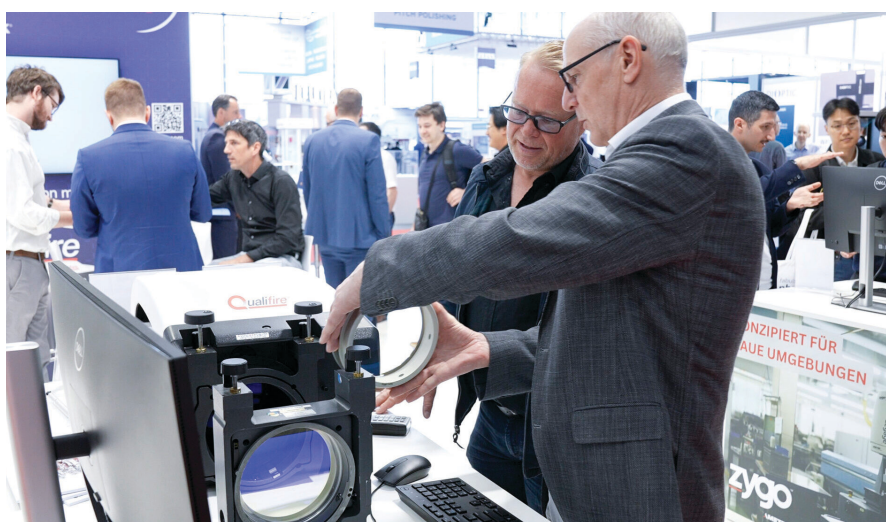


Photo: P.E. Schall.

Pictured above: Optical technologies are among the most important industries of the 21st century.

interested parties can experience leading photonics innovations here and exchange ideas directly with the project managers.

Highly attractive concentration of photonics expertise at the Frankfurt/Main exhibition center

With its unique and highly attractive combination of exhibitions, lectures, discussions, and award ceremonies, the 17th edition of Optatec from May 5 to 7, 2026, will be an inspiring platform for information, expert exchange, and networking at all levels. Exhibitors and visitors also gain significant added value from participating in Optatec because Frankfurt/Main offers ideal conditions for travel and accommodation.

As a central transport hub with Germany's largest commercial airport and direct motorway connections, this traditional trade fair location offers optimal accessibility for international trade visitors and exhibitors from all over the world. The Rhine-Main region, with Frankfurt at its center, is a strong location for business, industry, and research, offering short distances to users and potential customers of photonics. The region has strong links to the optical industry – optics and photonics are well-established fields of research at regional and other nearby universities, which have their own specialist laboratories. Visiting the trade fair is convenient thanks to the ground-level exhibition site; in addition, the convenient location with direct S-Bahn connections makes it easy to get to the exhibition.



Photo: P.E. Schall

Bettina Schall, managing director of P. E. Schall GmbH & Co, the owner and organizer of Optatec.

Optatec 2026: leading event for fans of optics and photonics

The long-established trade fair for optical technologies, components and systems, Optatec, which takes place every two years in Frankfurt, offers attendees a wide range of experiences.

Welcome to the 17th Optatec, the international trade fair for optical technologies, components, and systems, from May 5 to 7, 2026, in Frankfurt am Main. Manufacturers and users of optical technology and image processing meet here every two years; on this business platform, trade visitors gain specific insights into topics and trends in optical technologies and experience the current connection between fundamental physics research and modern technical applications across many industries.

Optatec is recognized worldwide as the leading trade fair in the field of optical manufacturing technology. No other trade fair venue brings together international experts, manufacturers, and users in such a focused and specialized manner as this one. Optical technologies are among the most important industries of the 21st century. Many innovations would not be possible without photonics. It plays a central role in digitalization, for example. A key trend is the miniaturization of photonic components

to create more compact and efficient devices. Growing quality requirements, increasing automation, and autonomous and assistance systems across various sectors are also driving the development of photonics.

Exhibitors, trade visitors, and guests at Optatec 2026 will experience an inspiring and high-caliber supporting program. During the two-day Photonics Talks, experts will discuss market trends, strategic innovations, and technological and manufacturing challenges. Another highlight of Optatec 2026 will be the presentation of the Photonics Frontiers Award 2026 on the second day of the trade fair. With this award, the organizer Electro Optics honors application-oriented projects that solve real-world problems thanks to photonics technology.

Optatec 2026 impressively highlights the capabilities of photonics. We are delighted to offer you not only an exclusive exhibition of new products and exciting solutions, but also an attractive supporting program—you are cordially invited to attend both the panel discussions and the Photonics Frontiers Award ceremony. Take advantage of this 17th edition of Optatec with its highly attractive combination of presentations, discussions, and innovation; this trade event is once again an inspiring platform for information, expert exchange, and networking. Benefit from the exclusivity of the topic, the high level of technical focus, and the precise targeting of the audience.

We wish you a successful visit to the trade fair and an inspiring exchange of ideas!

Bettina Schall

Managing Director, Messeunternehmen P. E. Schall GmbH



Introduction from Optatec's project manager Fabian Krüger

The 17th Optatec takes place this week in Frankfurt-am-Main, in the heart of Europe. The motto of this year's must-visit industry get-together is: "Excellent Optical Technologies".



Optatec is recognised worldwide as the leading trade fair in the field of optical manufacturing technology. At no other trade fair location do international experts, manufacturers and users come together in such a focused and specialized way as at Optatec. Optical technologies are among the most important industries of the 21st century. Drivers are growing quality requirements, but also increasing automation, digitalization, autonomous systems and assistance systems in various areas. Optical technologies are cross-sectional technologies – they combine engineering sciences with natural sciences. They drive innovation

in areas such as mechanical and plant engineering, production automation, automotive engineering, microelectronics and optoelectronics, lighting technology, the pharmaceutical and medical device industry, laboratory automation, defense and general safety and security applications. Manufacturers of optical technologies bridge the gap between basic physical research and technical applications.

Exhibitors and visitors benefit from the exclusivity of the topic, the high degree of specialized orientation and the precise target group approach. Exhibitors will be presenting practical solutions and fostering personal dialogue. Visiting the trade fair is convenient in the exhibition centre, which is located at ground level and is easily accessible with direct S-Bahn connections.

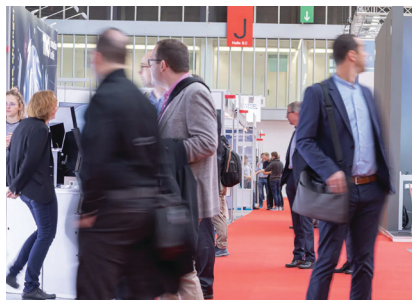
We look forward to the 17th Optatec with you and wish both exhibitors and trade visitors a lively and successful exchange of ideas at the exhibition centre in Frankfurt.

Have a great show!

*Fabian Krüger, Project Manager Optatec
Trade Fair Company P.E. Schall.*

Ladies and gentlemen, dear visitors to Optatec 2026,

The P. E. Schall trade fair company warmly welcomes you to the 17th Optatec, international trade fair for optical technologies, components and systems. The optotechnology specialists are already looking forward to this industry highlight, which takes place every two years. This year, they will meet again from 05th to 07th May 2026 at the traditional trade fair location of Frankfurt/Main. It is the highly specialized top event for everyone involved in light research. Manufacturers and users meet in person to discuss optics, image processing, new technologies, manufacturing processes and machines. Over three days, the leading trade fair - refined, highly specialized and international – inspires all optics fans from different sectors and different countries. Well over half of the exhibitors come from abroad.



Optatec Technology Park 2026: visit the dedicated booth to learn about training and research – and studying photonics

Optatec 2026 presents leading photonics master's degree programs from across the nearby German region of Hessen.



Credit: Optatec / P.E. Schall.

On May 7th during the trade fair, students and other young people interested in the field of photonics will be welcomed onto the site to be given introductions to the diverse sectors and opportunities offered by photonics.

Photonics is the technical mastery and exploitation of light. In contrast to electronics, i.e. the technical mastery and exploitation of electrons or the flow of electrical current, photonics encompasses the use of photons in optical technologies such as laser, digital image processing, optical measuring technology, optical data transmission and lighting technology.

Darmstadt University of Applied Sciences, Rhein Main University of Applied Sciences and Technische Hochschule Mittelhessen will be presenting their Master's degree programs such as "Optotechnology and Image Processing", "Applied Physics" and "Optical System Engineering" live at the trade fair from 5 to 7 May.

The Common Booth in Hall 3.0. offers a unique opportunity for interested parties to find out more about these specialized degree courses. Visitors will have the opportunity to talk to lecturers

and representatives of the universities to gain insights into the content and career opportunities of the degree programs.

Anyone who has already completed a bachelor's degree or training in a technical or scientific field and would like to find out more about cameras, lasers, optics and light is cordially invited to attend.

Dedicated insights for school graduates on 07 May 2026

At the "Training and Research – Study Photonics" Technology Park, young people who are interested in modern technology will be presented with hands-on optical technology and opportunities for asking questions: three universities of applied sciences will present their courses of study relating to optical technologies and photonics and invite all interested school classes and teachers to Optatec on the 7th of May, 2026.

The following offerings will be available to school students and new graduates:

- Free admission to the trade fair
- Presentations dealing with actual practice held by graduates
- Presentation of the courses of study
- Guided tours of renowned companies from the industry sector

Useful contacts

Darmstadt area:

katja.jakob@ha-da.de

Wiesbaden/Rüsselsheim area:

Sandra.Peruzzi@hs-rm.de

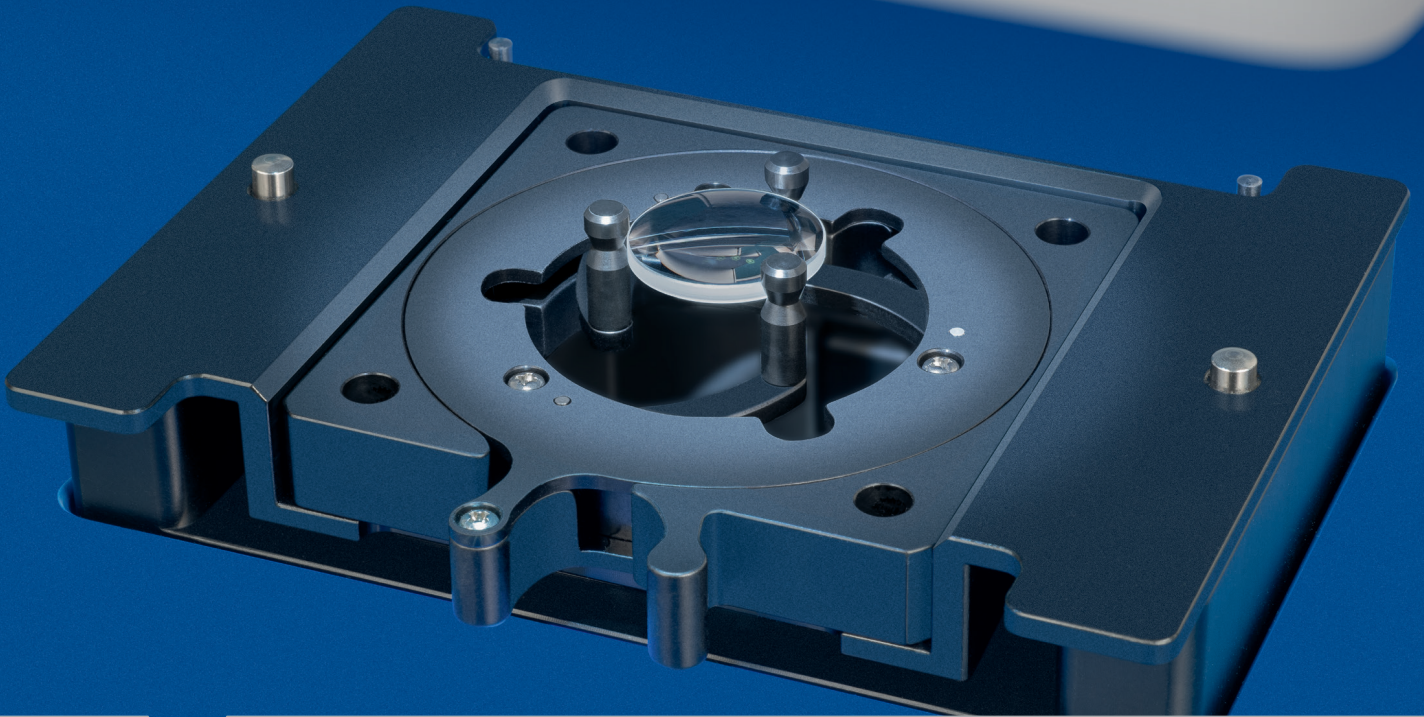
Giessen/Friedberg area:

martin.eckhardt@mnd.thm.de

Further info:

https://www.optatec-messe.de/dl/2026_Flyer_FairDay.pdf





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Chalmers miniaturizes biosensor for smaller and cost-effective devices

Portable sensor for use outside the lab

Metasurface-based approach offers scalability for diverse applications and mass manufacture.

A project at Sweden's Chalmers University of Technology has developed a metasurface-enabled biosensor that could help move medical testing from hospitals to patients' homes.

Described in ACS Sensors the platform is a further sign of the transformative potential of metasurfaces in optics, noted the Chalmers team.

The device employs surface plasmon resonance (SPR), a phenomenon widely used in label-free biosensing. When a surface plasmon meets an analyte molecule, the resulting light emission can be highly sensitive to small concentrations of individual species, a valuable tool for biomarker detection.



Credit: Chalmers/Erik Strandberg.

A research team at Chalmers University of Technology has developed a new diminutive laser technology that makes it possible to create a miniature biosensor with the laser source and optics integrated onto a one-centimetre semiconductor chip. This enables significantly smaller sensors, paving the way for portable optical technology and for moving certain types of medical sampling from hospitals to the patients' homes.

But implementation of SPR has been largely restricted to high-end laboratories, due to the high costs and bulky nature of the instruments required.

Chalmers has now directly integrated the necessary optics and laser source for SPR onto a semiconductor chip, allowing for significantly more compact sensors. This could make optical biosensing technology portable, and applicable outside the laboratory environment.

"By successfully integrating the optics with the laser sources right on the chip,

our innovation opens a lot of doors and is a key step towards shrinking the current biotech instruments and creating portable, battery-powered systems," commented Erik Strandberg of Chalmers.

"The chips we manufacture are about the size of a thumb tack and contain hundreds of lasers, each measuring 200 x 250 microns. Having both the laser and the optics integrated into the same semiconductor chip also enables cost-effective large-scale production of light sources for this technology."

In the Chalmers architecture, a metalaser array of VCSELs provides the illumination, with the sensing surface being a 50-nanometer gold film evaporated onto a glass block in a SPR-generating arrangement termed the Kretschmann configuration.

With both the coupling optics and the light source fabricated on one chip, surface plasmons can be excited in the metal film in a fully planar, miniaturized, and scalable solid-state SPR module, noted the Chalmers team in its paper. And thanks to the small size of the components, several independent SPR sensing channels can be realized with a single chip.

In trials using its new on-chip sensor, Chalmers demonstrated multiplexed detection of low-molecular-weight microRNA molecules with detection limits of 0.1 nanomoles per liter via direct sensing and 0.02 nM with antibody amplification. This is well within the clinically relevant range for microRNA biomarkers, according to the project.

The next steps will involve further developing the technology by boosting the sensitivity of the sensor, as well as increasing the number of samples that can be analyzed simultaneously.

"So far, we haven't been able to use all the lasers on our chips to analyze samples, but this field offers great opportunities for further development," commented Hana Jungová from Chalmers.

"If we succeed, we believe the sensor will eventually make it possible to analyze significantly more samples at once than current technologies allow. But first, we plan to create a prototype of a portable sensor that can be used without extensive training. The ultimate goal is for hospitals and clinics to be able to use the sensor outside the lab."

[Chalmers.se/en](https://chalmers.se/en)

pubs.acs.org/doi/10.1021/acssensors.5c01997

Author:

Tim Hayes, Contributing Editor, *optics.org*

Airbus and TNO demo secure laser link between aircraft and satellite

Geostationary UltraAir terminal test transmitted data optically at 36,000km altitude.

In December 2025, Airbus and TNO successfully established a secure laser communication link between an Airbus aircraft and a satellite in geostationary orbit, 36,000 kilometers above Earth.

The partners say that this achievement “proves that high speed, resilient air to space connectivity is no longer a vision but a reality”.

Using the UltraAir terminal, co developed by Airbus and TNO, the test showcased the partners’ ability to “transmit massive amounts of data via laser technology with unprecedented speed and security”.

This capability opens the door to a new era of global communications, they say, making such transmissions more efficient and harder to intercept, to the benefit of both military and commercial aviation.

Project achievements

The partners’ research and development program achieved 31 successful links with closed loop tracking, each lasting 6–14 minutes and generating many hours of telemetry. Seven tests were carried data at 2.6 Gbps for several minutes with zero bit errors. This first public demonstration marks a key step toward commercial laser communication for aviation and space.

François Lombard, Head of Connected Intelligence at Airbus Defense & Space, commented, “Establishing laser links between moving targets at this distance is technically very challenging. Continuous movements, platform vibrations and atmospheric disturbances require extreme precision.”

Current satellite communication relies on radio frequency bands, which lack the bandwidth and security demanded by today’s data volumes. Laser based optical links can transfer terabytes in seconds rather than hours, and their tightly focused beams are inherently harder to jam or intercept, a critical advantage for military operations. With this technology, aircraft and UAVs (drones) can securely and rapidly exchange large datasets via multi orbit satellite constellations, strengthening mission flexibility and information security.



Photos: TNO & Airbus.

Airbus and TNO have demonstrated successful laser transmission between aircraft and satellite.

Lombard added, “This milestone is a further development of our long successful laser communication history; it opens the door to a new era of laser satellite communications to meet defense and commercial needs in the next decades.”

Kees Buijsrogge, Director of Space at TNO, commented, “Secure laser communication is essential for both defense operations and civil connectivity. By leading in this field, we are strengthening Europe’s security and its autonomy.”

Next steps

This achievement demonstrates that secure, high-speed communication from air to space is feasible today, reinforcing European and Dutch competitiveness, said the statement. It opens the door to global data links that are faster, more efficient and more secure, supporting mission critical military operations and enabling high speed in flight internet for passengers.

Transmitting a laser beam over 36,000 kilometers, through the atmosphere, and between two moving objects is a formidable challenge. The beam must remain stable despite continuous motion and compensate for vibrations and atmospheric disturbances. TNO developed the optical, mechanical, and

control technology needed to achieve this precision.

Airbus is leading the UltraAir project – described as “a cornerstone of ESA’s European initiative to mature optical satellite communication” – and has integrated the terminal into the aircraft, while TNO provides critical optical and control technologies.

The joint statement concluded, “Together with other partners we are working on miniaturizing the terminal for broader deployment. Beyond aircraft-to-satellite links, this technology could also enable secure laser communication for ships, vehicles, and commercial high-speed internet from the air.”

UltraAir is, accelerating the transition from demonstration to operational use with strong involvement from Dutch industry. The project was co-financed by Airbus, TNO, the Netherlands Space Office as well as the German Aerospace Center.

Author

Matthew Peach, Editor in Chief, optics.org

imec-led consortium to develop chip roadmap 'beyond CMOS'...

...while imec and New Origin partnering to scale SiN photonic IC manufacturing.

imec, a Belgium-based research and innovation hub for nano- and semiconductor technologies, has launched a consortium with 26 European university groups to work on the technology roadmap looking beyond CMOS scaling, so-called "CMOS 2.0".

The initiative is to focus on design automation and architecture research for future chips. The consortium will benefit from the NanoIC pilot line, to advance academic insights into industry-focused innovations. In the future, states imec, similar consortia will be set up around advanced materials and alternative compute systems.

CMOS 2.0 refers to a new paradigm, introduced by imec, that expands the chipmaking toolbox beyond traditional transistor scaling and its associated scaling challenges. CMOS 2.0 allows for more design flexibility by exploiting fine-grain wafer stacking technology to improve on-chip connectivity and offer higher technology heterogeneity to the system.

Funding 26 PhDs

The new research program will require cooperation between different areas of the chip ecosystem. Within imec's CMOS 2.0-consortium, 26 PhDs will be funded. The

PhD students will stay at their home university, embedded in their research group, allowing them to tap into complementary fields of expertise and stimulate cross-fertilization, says the announcement.

Sahar Sahhaf, Director of Academic Partnership Development at imec, commented: "Leveraging the benefits in both connectivity and heterogeneous integration enabled by 3D wafer stacking will reshape every stage of design and chip architecture. It is the first time that imec is bringing together such a network of premium European university teams in a structured way to have guided contributions to the future semiconductor roadmap."

Mehdi Tahoori, Technical Director, at imec added, "This university research consortium aims to infuse CMOS 2.0 technology to the entire design stack, from Electronic Design Automation all the way to system architecture. It aims to stimulate the broader research and academic community on various aspects of the CMOS 2.0 revolution."

Partnership members

The CMOS 2.0 university consortium consists of following universities:

- National Technical University of Athens
- Delft University of Technology
- École Polytechnique Fédérale de Lausanne (EPFL)
- Eidgenössische Technische Hochschule Zürich
- Karlsruhe Institute of Technology
- Katholieke Universiteit Leuven
- KTH Royal Institute of Technology
- LIRMM, University of Montpellier, CNRS
- Politecnico di Torino
- Sabancı University
- Universidad Complutense de Madrid
- Universiteit Gent
- Université libre de Bruxelles
- University of Thessaly

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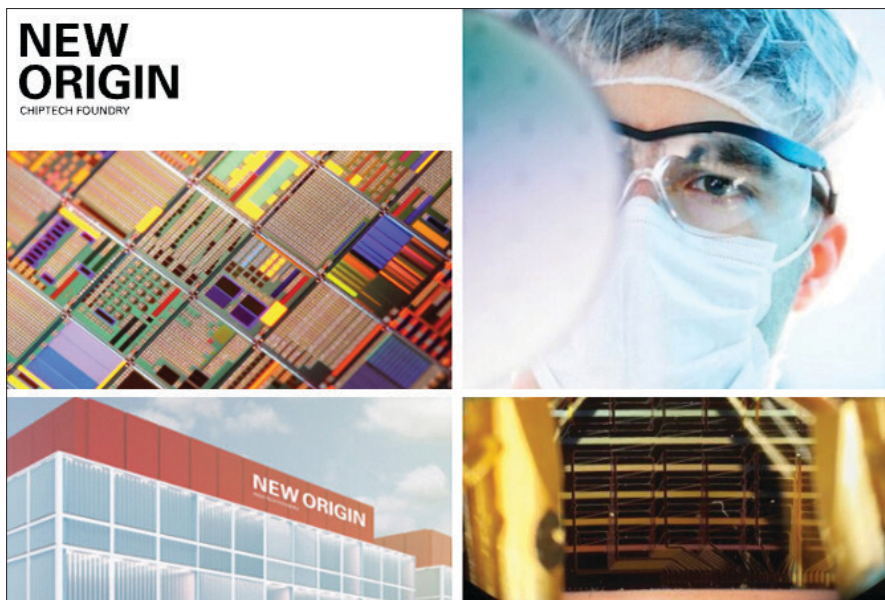
Micro-drilling by laser is interesting for the aviation sector.

**imec and New Origin to scale
Photonic IC manufacturing**

In related news, New Origin, a photonic chiptech foundry, is to work with imec, to address the need to scale silicon nitride-based photonic IC (PIC) manufacturing in an industrial environment. This collaboration is also intended to strengthen the European photonics supply chain and enable New Origin to scale up imec's LPCVD silicon nitride technology platform to meet customer demand.

In the proposed arrangement, imec will transfer its proven LPCVD silicon nitride PIC platform to New Origin to support growing demand for photonic chips for consumer, health, datacom, defense, and quantum applications. imec will help to scale the manufacturing on 200mm wafers using photolithography in New Origin's industrial facilities, which also support non-CMOS-compatible processes and materials.

Twan Korthorst, CEO of New Origin, said, "This collaboration allows us to shorten the time to volume production for customers, and it strengthens the industrialization of PIC technology in Europe. With our plans to



Images: New Origin.


Enschede-based New Origin's wafer manufacturing process for SiN photonic chips is based on more than 30 years of experience developing and optimizing integrated photonics with nitride-based waveguides.

develop towards a manufacturing capacity of 50,000 wafers per year, New Origin will strengthen the European supply chain of PICs and unlock the next wave of innovation."

Philippe Absil, of Silicon Solutions at imec, said, "imec has demonstrated that silicon nitride photonics can unlock exceptional performance and scalability. Our SiN platform

can deliver ultra low loss in a wide wavelength spectrum ranging from visible to short wave infrared making it ideal for applications in bio-sensing, AR/VR and datacom, as well as quantum applications on the horizon."

Author
Matthew Peach, Editor in Chief, optics.org



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Photonics Talks at Optatec 2026 bring pioneers and experts together

From May 5 to 7, 2026, the next Optatec, the international trade fair for optical technologies, components, and systems, will once again bring together all optics enthusiasts from various industries and countries at the exhibition center in Frankfurt am Main. As part of a strategic partnership with SPIE/optics.org, the "Photonics Talks" discussion format is a platform for pioneers and experts from across the photonics supply chain to drive innovation in various areas.

Daily Event Schedule - Hall 3 Exhibitor Forum Booth 419

TUESDAY 05 MAY		
MORNING 9:45	A short introduction and welcome to the programme Rob Fisher – Head of SPIE media and optics.org	optics.org
	Rob has been working in photonics media for 30 years across multiple photonics related B2B publications including FibreSystems, Compound Semiconductor, Optics & Laser Europe and optics.org and Photonics West Show Daily.	
MORNING 10:00 - 10:30	Manufacturing of ultraprecise mirrors for space applications Clemens Dicke - Head of Sales & Technology at Edmund Optics son-x GmbH	Edmund Optics
	Clemens discusses the production of ultraprecise mirrors for space applications, focusing on the critical role of single-point diamond turning (SPDT) in achieving nanometer-scale accuracy, complex geometries, and high optical performance. It highlights how SPDT, combined with polishing and advanced metrology, improves manufacturing efficiency and supports the demanding requirements of next-generation space optics.	
MORNING 10:30 - 11:00	Unlocking the Potential of Infrared Optics with Advanced Coating Processes Mike Ivanovski - COO & Product owner	I-Photonics
	This presentation explores the growing demand for IR optics and how advanced coating processes can enhance performance and reliability in security, surveillance, and sensing applications.	
MORNING 11:00 - 11:30	Optical metrology solutions for IR lens testing Dr Patrik Langehanenberg - Division Manager MPO	Trioptics
	In the manufacturing process of IR optical systems, the non-transparency of lens materials in the visible spectral range (VIS) leads to special requirements for assembly and test equipment. While cost-effective visible-light (VIS) equipment suffices for basic lens assembly, specialized infrared (IR) test benches are indispensable for the development and validation of high-performance optical systems. Starting with the measurement of the refractive index, dedicated IR solutions are essential for full opto-mechanical characterization and identifying root causes in out-of-spec assemblies. Most crucially, precise image quality testing including MTF evaluation and the alignment of optical assemblies to camera chips must be performed within the infrared spectrum to ensure functional integrity and performance accuracy that VIS-based instruments cannot capture. We'll showcase advanced optical metrology solutions throughout the production process, from material qualification to precise image quality testing of lenses and camera modules.	
MORNING 11:30 - 12:00	Protective windows for advanced optronic defense systems Gernot Weber - Head of Sales EMEA Defense / Astro / Space	SCHOTT
	Driven by the need to ensure reliable supply in critical defense scenarios, defense companies are shifting from low-volume manufacturing to significantly higher production output, requiring not just scale but the ability to maintain performance, quality, and operational readiness. This transformation demands a fundamental rethink of how defense systems are designed, produced, and integrated, as traditional supplier models—based on fragmented responsibilities and sequential handovers—are increasingly too slow and complex. This presentation explores how to successfully manage this transition, outlining key challenges for both defense system integrators and suppliers, while also showcasing advanced defense applications for harsh environments, including optical solutions spanning UV to LWIR wavelengths.	
MORNING 12:00 - 12:30	European Photonics Market Report Thierry Robin - Partner at Tematys - Accelerating the Uptake of Photonics	Tematys
MORNING 12:30 - 13:00	Panel Discussion Photonics at Scale: Navigating Quality, Complexity, and Growth in a Rapidly Evolving Decade	
	Photonics technologies play a critical role in modern defence systems, placing increasing demands on the industry to deliver high-spec, reliable solutions at scale. This panel brings together industry experts to share insights on meeting these challenges and preparing for future growth.	
LUNCH BREAK 13:00 - 14:00		

Programme current at time of print.

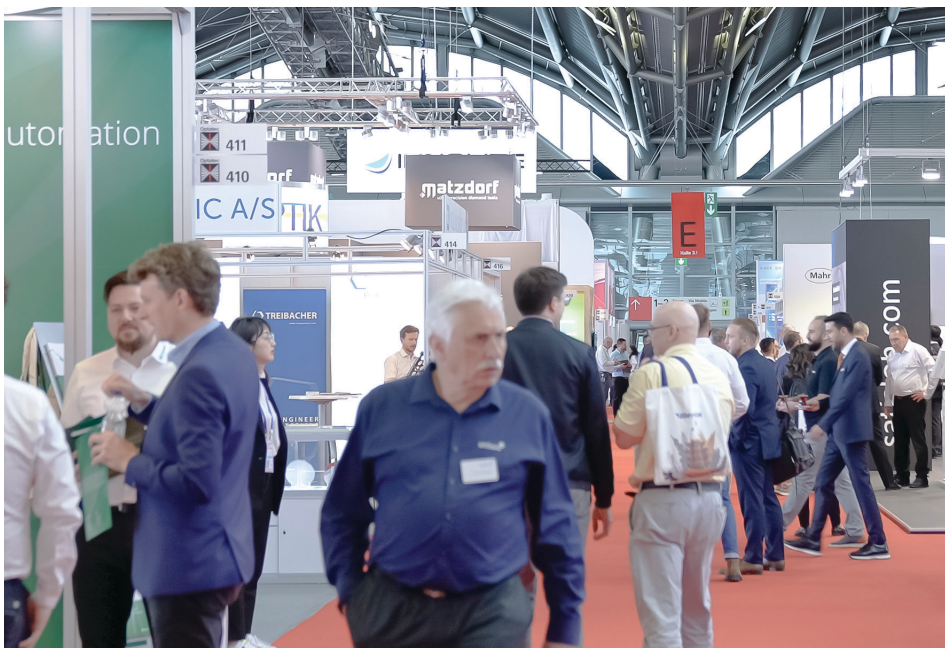
For the latest information about presenters and topics, visit optatec-messe.de/en

Daily Event Schedule - Hall 3 Exhibitor Forum Booth 419

TUESDAY 05 MAY		
AFTERNOON 14:00 - 14:30	IBS AR-coated SHG/THG LBO crystals for industrial high-power lasers Msc. Otas Dovydenas - Technical Solutions Manager	EKSMA
	This presentation covers EKSMA Optics' IBS anti-reflection coated LBO crystals designed for second and third harmonic generation in high-power industrial lasers. LBO is highlighted as the preferred nonlinear crystal due to its superior damage threshold. Combined with EKSMA Optics' advanced IBS coatings ($R < 0.1\%$, $LIDT > 40-60 \text{ J/cm}^2$), these crystals serve applications ranging from UV micromachining and green laser pumping to medical and scientific systems.	
AFTERNOON 15:30 - 16:00	Enabling the Future of Precision Optics Manufacturing with Artificial Intelligence Michael Feinberg - Managing Director and Business Development Strategist	OptoTech

Programme current at time of print.

For the latest information about presenters and topics, visit optatec-messe.de/en



Daily Event Schedule - Hall 3 Exhibitor Forum Booth 419

WEDNESDAY 06 MAY		
MORNING 10:15	A short introduction and welcome to the programme Rob Fisher – Head of SPIE media and optics.org	optics.org
	Rob has been working in photonics media for 30 years across multiple photonics related B2B publications including FibreSystems, Compound Semiconductor, Optics & Laser Europe and optics.org and Photonics West Show Daily.	
MORNING 10:30 - 11:00	One, ten, five, one hundred pieces - the challenges of manufacturing large optics in prototype and large quantities - Helmet Kessler – Managing Director	Manx Precision Optics
	Current energy prices will lead to an even stronger focus on achieving laser based nuclear fusion. All these setups require generally large optics (>=300mm diameter) in prototype and eventually larger quantities. This talk looks at the challenges of manufacturing large optics in general as well as the specific challenges when ramping up production to larger quantities. All aspects from logistics through polishing, coating and QA will be discussed.	
MORNING 11:00 - 11:30	Sensor Algorithm design and performance considerations Patrick Harding - Algorithm design and performance evaluation engineer	SE Training
	Sensors produce signals that we ultimately want to turn into high quality data that is interpretable by an end consumer. We discuss signal processing algorithms, moving from basic cleanup and enhancement up to advanced classifiers. We further discuss the challenge of performance evaluation of signal processing algorithms. We pose the discussion in a "system engineering" framework where we consider sensors and algorithms as domain-characterisable modules.	
MORNING 11:30 - 12:00	Beamsteering for LiDAR, Security & Defense David Leuenberger - Head of Product Management at Optotune	Optotune
	This presentation introduces Optotune's 2D Fast Steering Mirrors and provides an overview of their key performance characteristics. The second part of the talk highlights selected application examples. Thanks to their large field of view and compact form factor, Optotune's 2D mirrors are well suited for scanning LiDAR systems. In security and defense applications, they also enable field-of-view expansion that helps overcome the inherent tradeoff between field of view and resolution in conventional camera systems. This approach supports use cases such as long-range face tracking and drone detection. Finally, a simple ray-tracing model is presented to predict optical quality and help identify common design pitfalls when developing such systems.	
MORNING 12:00 - 12:30	Photonics Markets Report Markus Wilkens – Head of Operations at Photonics21	Photonics21
MORNING 12:30 - 13:00	Panel Discussion Innovation vs. Industrialisation: Is Europe Struggling to Scale Photonics?	
	Europe leads in photonics innovation, but many technologies struggle to transition from prototype to scalable manufacturing. This panel will examine the key barriers such as fragmented supply chains, limited investment, and misalignment across the value chain and explore how to better connect R&D excellence with industrial-scale production.	
LUNCH BREAK 13:00 - 14:00		
AFTERNOON 14:00 - 14:30	Laser-based Optics Manufacturing Dr. Manuel Jung - Research Associate at Fraunhofer ILT	Fraunhofer ILT
	Fraunhofer ILT presents how laser based manufacturing processes are transforming optics production by enabling complex geometries such as aspheres, freeform optics, and micro optics with high precision and flexibility. The talk highlights key technologies including selective laser induced etching, laser ablation, laser polishing, and laser beam figuring across micro and macro scale applications. These digital photonic processes offer faster, more cost efficient, and customizable alternatives to conventional grinding and polishing.	
AFTERNOON 14:30 - 15:00	Optics and Photonics in Biophotonics: Applications and Market Dynamics Jacques Cochard	Tematys
AFTERNOON 16:00 - 16:30	Panel Discussion The Alignment Problem: Can Photonics Deliver What the Market Demands?	
	This panel explores the growing gap between rising market demands for higher performance, lower cost, and faster delivery, and the realities of photonics manufacturing and supply chains. It examines where misalignment occurs across the ecosystem from design and fabrication to integration and OEM expectations and who is responsible for closing that gap. The discussion focuses on how better collaboration, design-for-manufacturability, and supply chain coordination can enable the industry to scale effectively.	

Programme current at time of print.

For the latest information about presenters and topics, visit optatec-messe.de/en

SurfInspect: Automated and objective quality assessment of scratch & dig in compliance with ISO 10110-7

TRIOPTICS showcases SurfInspect, an automated inspection system for the objective surface quality evaluation of flat optics, lenses, and lens systems in compliance with the international standard ISO 10110 7, at the Optatec exhibition in Frankfurt from May 5 – 7 in Hall 3, booth 408.

With its attractive price-performance ratio, advanced technical specifications, and automated documentation, SurfInspect addresses the central challenges in optical manufacturing:

- Time-saving automated inspection processes
- Objective and precise automated evaluations
- Efficient and quick documentation

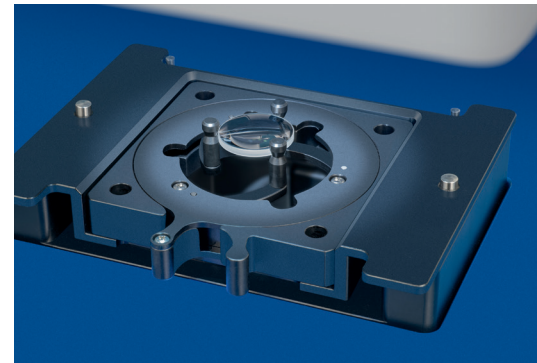
SurfInspect is designed for companies that manufacture or further process optical components and assemblies. It is particularly suitable for companies that currently perform manual visual inspections and are searching for a cost-effective alternative, as well as for all those who specify optical surfaces according to ISO 10110-7. The goal is to improve the quality of incoming, intermediate, and final inspections.

Objectivity at the press of a button

Thanks to classical or AI-supported dimensional analysis, SurfInspect detects scratches and digs consistently – regardless of the operator's experience, mood, or qualifications. The result is a gap-free, ISO-conform inspection documentation that minimizes human decision errors.

Precision and efficiency through multi-shot measurement sequence

A particularly large field of view and high depth of focus enable the capture and analysis of the entire optics in a single image based on an intelligent multi-shot measurement sequence. The circumferential ring illumination used for this purpose illuminates each surface completely, eliminates reflections, and makes all scratches & digs visible, unaffected by external light



interference. The elimination of the time-consuming stitching of individual inspection areas significantly reduces process time – and thus the time and cost per inspected lens. Low acquisition costs give SurfInspect a clear price-performance advantage over existing inspection solutions.

Plannable productivity and gap-free documentation

SurfInspect automatically generates inspection and quality reports according to ISO 10110-7. The predictable measurement times and standardized results can be seamlessly integrated into production and quality KPIs, making productivity predictable and comprehensible.

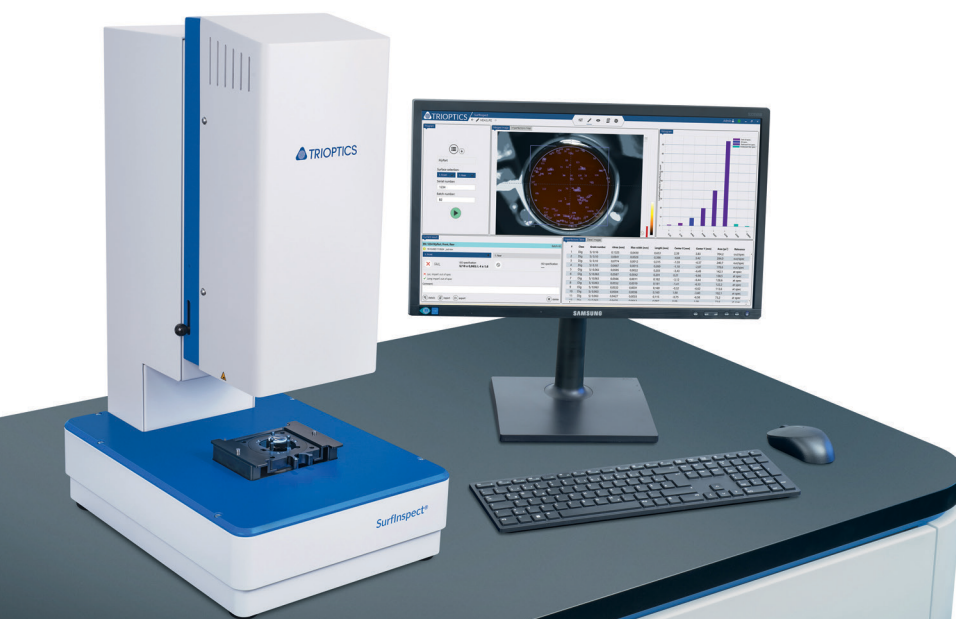
High user-friendliness

An intuitive user interface and software-defined inspection procedures make the system immediately ready for use without extensive training. The relevant functionality for all user levels enables easy and reliable handling.

Efficient quality inspection

"With SurfInspect, we are offering the optical industry an easy-to-use measurement system for economical and objective surface inspection that reduces inspection costs and simplifies quality control. We are convinced that with SurfInspect we have achieved a combination of customized functionality and cost-effectiveness that contributes to increased efficiency in the quality inspection of optical surfaces," explains Wiebke Ehrhorn, Product Manager at TRIOPTICS.

trioptics.com



TNO and HTC Eindhoven to build 6in InP wafer factory

Novel photonic chips promise better AI data centers, 6G networks, super computers.

Netherlands-based research centers TNO and High Tech Campus Eindhoven are beginning construction of what they say will be “the world’s first industrial factory” for producing indium phosphide photonic chips on a 6-inch wafer scale.

With this week’s opening ceremony, featuring European Commission Executive Vice-President Henna Virkkunen, Minister of Economic Affairs and Climate Heleen Herbert, and Minister of Defence Dilan Yeşilgöz-Zegerius, the country is edging toward global technological leadership, the joint announcement said.

Related news: TNO’s Eindhoven campus to get 6-inch indium phosphide pilot line (June, 2025)

By connecting R&D with scalable production, the completed facility will accelerate the journey from concept to market-ready solutions. “It paves the way for a new generation of energy-efficient AI data centers, 6G networks, medical innovations and supercomputers,” the statement added.

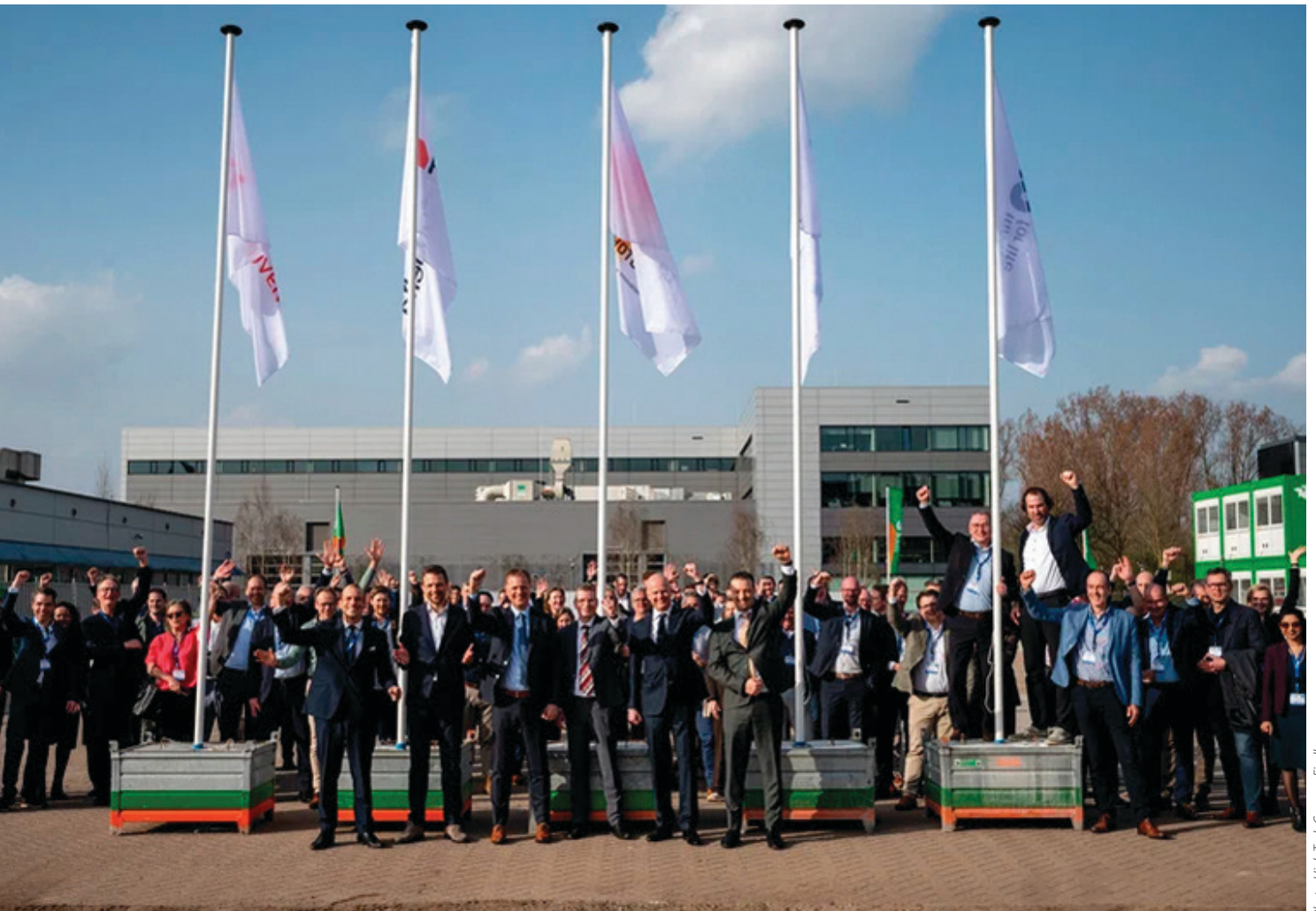
Tjark Tjin-A-Tsoi, CEO of TNO, commented,

“We are building an industrial pilot line. By bringing research and manufacturing closer together, we strengthen the Netherlands’ position within the European semiconductor landscape to help companies scale up photonic technology more quickly and efficiently. This is an investment in our technological strength and in future economic growth.”

Link between lab and fab

The new factory is described by TNO as more than a facility: “it is a national and European catalyst for innovation. As demand for photonic chips grows exponentially, [we] offer a critical function in the ecosystem by providing the infrastructure needed to validate this technology at industrial scale.”

continued on next page



Construction of the photonic chip factory commenced on 9 March.

Photo: High Tech Campus Eindhoven.

Heleen Herbert, the Netherlands' Minister for Economic Affairs & Climate, said, "With this investment, we are moving from knowledge and innovation to concrete applications of integrated photonics. Our goal is to achieve a strong European competitive position with this key technology – in knowledge, innovation, supply chains, and production."

The €150 million investment directly stems from the ambition of the European Chips Act. As part of the pan-European consortium PIXEurope, the factory is designed to ensure that the brains of the future digital economy are developed and produced on European soil.

Peter Wennink, Government adviser, Collaboration & Employment, commented, "By investing now in scalable production capacity, we are creating an ecosystem that can help shape the global technological direction. This is a launchpad for Europe's future digital economy."



Photo courtesy of TNO.

Otto van den Boogaard, Heleen Herbert, Tjark Tjin-A-Tsoi and Henna Virkkunen.

The project is based on a public-private partnership between TNO, TU/e, PhotonDelta, SMART Photonics, and High Tech Campus Eindhoven. In addition to technological progress, the factory is expected to create high-quality jobs. After the initial ramp-up phase, around 40 specialists will be employed there.

Wennink added that the impact of

integrated photonics is comparable to the rise of integrated electronics decades ago: "By investing in scalable production capacity, we are creating an ecosystem that can help shape the global technological direction. This is a launchpad for Europe's future digital economy," he said.

Author

Matthew Peach, Editor in Chief, optics.org



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TRADE FAIRS FOR MARKETS

ASML rise continues on renewed confidence in sustained AI boom

The Dutch maker of semiconductor lithography equipment has become Europe's most valuable company.

ASML has posted record-breaking sales, profit, and orders in its latest financial quarter, with the Dutch firm's management reporting a renewed confidence in the sustainability of the artificial intelligence (AI) infrastructure build-out.

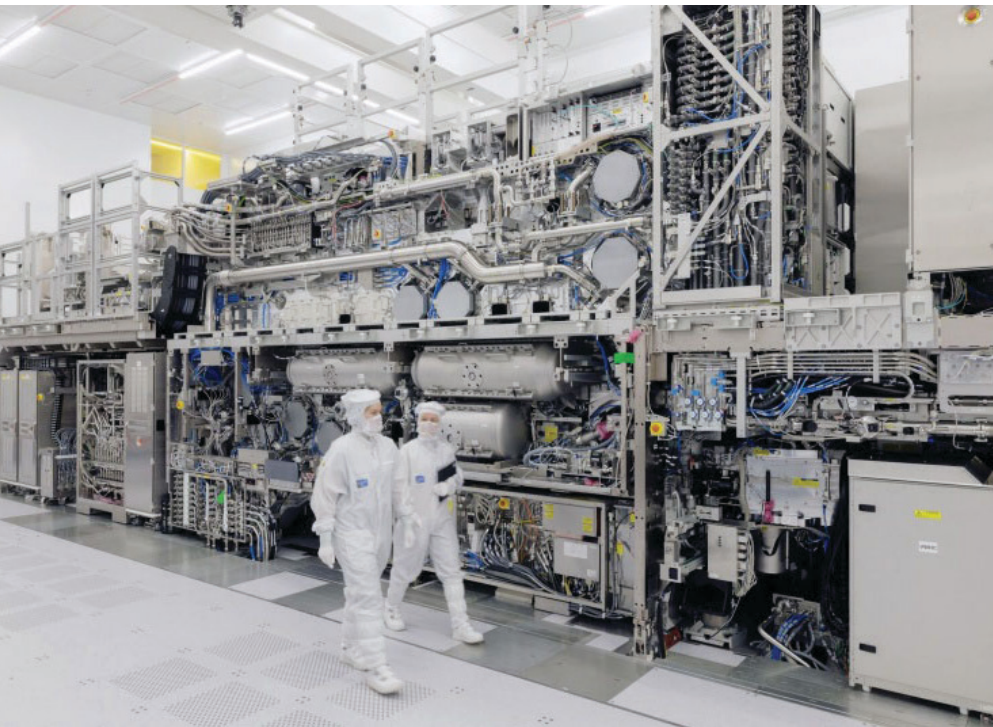


Photo: ASML.

ASML's giant high-NA EUV lithography tools are getting closer to high-volume production use, with Intel announcing that it had accepted its first "EXE:5200B" system.

At €9.7 billion, the Veldhoven-headquartered company's sales in the closing three months of 2025 were up from €9.3 billion in the prior year, meaning that full-year sales came in at €32.7 billion - up from €28.3 billion in 2024 and another record total.

Those figures were all roughly in line with previous expectations, but CEO Christophe Fouquet highlighted a significant change in market sentiment recently, saying to ASML's in-house videographer:

"The market outlook has notably improved in the last few months. This is especially true when it comes to the build-up of the capacity for AI applications, being data centers or other infrastructure."

For ASML, that means additional demand

for high-end logic and memory chips that can only be produced using the firm's state-of-the-art laser-powered extreme ultraviolet (EUV) lithography tools, where it has established a monopoly position.

"Altogether, we see a very positive dynamic," Fouquet added. "I think [there is] a strong belief that the AI demand is real and a preparation for that, with a major addition of capacity [in] the short term. This will start in 2026 and will last beyond that."

Stock price surge

With key customers Intel and TSMC both indicating an uptick in spending on their chip manufacturing capability in recent weeks, ASML's stock price has risen in value

sharply, cementing the company's position as Europe's most valuable publicly traded company, ahead of luxury goods firm LVMH, German software giant SAP, and Novo Nordisk, the Danish pharmaceuticals firm behind the development of the fat-busting drug Ozempic.

Up nearly 40 per cent over the past month alone, ASML's stock is now trading at an all-time high of close to \$1500 on the Nasdaq, a price that implies a market capitalization of more than \$550 billion.

The recent upturn in business confidence has prompted the ASML executive team to forecast a further increase in annual sales for 2026, something that Fouquet had previously indicated was not a foregone conclusion.

He and CFO Roger Dassen now suggest that, depending on exactly how the AI infrastructure boom and geopolitics turn out this year, sales revenues will end up somewhere between €34 billion and €39 billion.

The latest report details how ASML actually sold significantly fewer new lithography tools in 2025 than in 2024 - down from 380 to 300 - but that smaller figure includes a higher proportion of the more expensive EUV equipment.

High-NA EUV adoption

That shift towards EUV is also responsible for a large rise in after-sales service revenues relating to the highly complex tools, which are regularly upgraded to support faster throughput of semiconductor wafers.

The EUV tools used in volume production are about to get even more complex, with the arrival of high-numerical aperture (high-NA) systems that rely on giant reflective optics produced by key partner Zeiss and will be capable of further shrinking device features.

"Looking at high-NA, customers continue to make good progress on the qualification," Fouquet noted. "A lot of customers are finalizing their research and development phases with the EXE:5000 [tool]."

continued on next page

"Intel has reported that they have accepted their first EXE:5200B, which means, basically, they have the first tool that will be used in high-volume manufacturing. And other customers are going to also get that tool in their hands very, very quickly.

"So the qualification of the tool is going well. Imaging, performance, overlay

performance, everything is looking good for our customers right now."

Job cuts imminent

Despite the latest surge in sales and an accompanying rise in annual pre-tax profits from €9 billion to €11.4 billion, the

company is now looking to streamline its operations, and announced actions that are likely to result in 1700 net job cuts, largely impacting ASML's IT department.

"The feedback from our colleagues, our suppliers and our customers shows that our ways of working have, in some cases, become less agile," explained the firm's management team.

"Engineers in particular have expressed their desire to focus their time on engineering, without being hampered by slow process flows, and restore the fast-moving culture that has made us so successful.

"ASML continues to grow and will need to create roles as required to meet customer demand for new machines and servicing, including in manufacturing, customer support and sales."

asml.com/en

Author

Mike Hatcher, Business Editor, optics.org



Image: Yahoo! Finance.

ASML's stock price has surged in value over the past month on renewed confidence in the sustainability of the current AI infrastructure boom, and expectations of massive future demand for high-end chips that can only be produced using the Dutch firm's laser-driven EUV lithography tools.





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Optatec Forum 2026

Optatec, the world's leading trade fair, cordially invites you to participate in the diverse, know-how-intensive technical presentations at Schall's Optatec Forum in Hall 3, Booth 625.

Daily Event Schedule - Hall 3 Exhibitor Forum Booth 625

TUESDAY 05 MAY		
MORNING 10:00	Optatec 2026 Opening	Schall & Optatec
	Frau Schall & Herr Krüger	
MORNING 11:00 to 11:40	Well ground is half polished - Improvements along the process chain for high-end optics	OptoTech Optikmaschinen GmbH
	Dipl. Ing. Sebastian Stoebenau	
MORNING 11:40 to 12:20	Die (R) Evolution des Kugelstift	Roland Mandler GmbH Co Kg
	Roland Mandler	
LUNCH BREAK 12:20 to 13:00		
AFTERNOON 13:00 to 13:40	Additive Manufacturing of SiC Mirrors and Optical Structures	MADDE Inc.
	Mr. SANGHO CHRIS PARK	
AFTERNOON 13:40 to 14:20	Redefining Optical Performance with Advanced Fresnel Technology	FresnelX
	David BATTE, CEO FresnelX	
AFTERNOON 14:20 to 15:00	Innovative PVD and PECVD technology for anti-reflective coating manufacturing	AGC Plasma Technology Solutions
	Mr. Dr. Louis Dellieu	
WEDNESDAY 06 MAY		
MORNING 09:40 to 10:20	Precision at the Source: Pockels Cells — from Military Targeting to Directed Energy	EKSMA Optics
	Mr. M.Sc. Aleksej Janusko	
MORNING 10:20 to 11:00	Redefining Optical Performance with Advanced Fresnel Technology	FresnelX
	David BATTE, CEO FresnelX	
MORNING 11:00 to 11:40	Aspheric Surface Error Detection Using Tactile Profilometry	Mahr GmbH
	Martin Beinemann	
MORNING 11:40 to 12:20	PRECESS Technologie : concept to calculate polishingtools 2.0	Roland Mandler GmbH Co Kg
	Roland Mandler	
LUNCH BREAK 12:20 to 13:00		
AFTERNOON 13:00 to 13:40	Comparison of ASI and NMF Instruments for Large Asphere and Freeform Metrology	QED Technologies International Inc.
	Mr. Rens Henselmans	
AFTERNOON 13:40 to 14:20	Applications with Whitelightinterferometer	Polytec GmbH
	Dr. Özgür Tan	

Programme current as of time of print.

For the latest information about presenters and topics, visit optatec-messe.de/en

Exosens confident of double-digit annual growth in strong defense market

French electro-optics firm enjoying robust demand for image intensifier tubes critical to night vision applications.

Exosens, the Bordeaux, France, company that sells a range of optical amplification and imaging products largely used in defense-related applications, has posted annual sales of €468 million - up 22 per cent on the figure for 2024.



Image: ACTinBlack

New "5G" image intensifier tubes from Exosens are expected to yield a 35 per cent increase in detection range versus the current standard, giving troops using them a critical advantage over their adversaries.

Exosens, the Bordeaux, France, company that sells a range of optical amplification and imaging products largely used in defense-related applications, has posted annual sales of €468 million - up 22 per cent on the figure for 2024.

While the total for 2025 was boosted by the recent acquisitions of Noxant, Phasics, and Night Vision Laser Spain, the latest figures point to strong underlying growth with like-for-like sales up 13 per cent year-on-year.

That sales strength is also translating to higher profits, with operating income of €102 million in 2025 up from €76.8 million in the prior year.

CEO Jérôme Cerisier commented: "In defense, we continued to benefit from a very strong market demand, underpinned by the signing with the Organization for Joint Armament Cooperation (OCCAR) of the largest night vision contract secured to date.

"We also saw a marked acceleration in requirements for defense imaging

applications and, in particular, in surveillance, where the fast-evolving drone threat landscape represents a major structural shift.

"We will continue to pursue a technology-driven differentiation strategy in selected, growing markets, within a favorable industrial and geopolitical environment, delivering sensors that protect and prevent by revealing what is invisible to the human eye."

The firm is currently expecting sales to rise strongly again this year, to somewhere between €520 million and €540 million.

€500 million contract

According to the latest update from Exosens, defense priorities are continuing to evolve amid heightened geopolitical tensions, with an increased focus on operational superiority at night fueling global demand for night vision goggles.

"In this fast-moving market, Exosens leverages its position as the strategic

supplier of high-performance, ITAR-free image intensifier tubes to NATO members and tier-1 allies," it adds.

"End users continue to accelerate procurement of night vision systems, as evidenced by a series of major business wins, especially in Europe."

The OCCAR deal is the most obvious example of that demand, and will be met through a partnership with Greece-based Theon International to supply Germany's armed forces with some 200,000 16 mm image intensifier tubes. The €500 million contract is scheduled for delivery between 2027 and 2029.

With night vision technology evolving rapidly, Exosens has also developed new "5G" image intensifier tubes, which are claimed as a major technological breakthrough with up to a 35 per cent increase in detection range compared with current standards.

"Exosens will be the only supplier capable of delivering this level of technology to NATO members, further cementing its role as their strategic night vision partner," boasts the firm.

"The 5G has already seen rapid market adoption, resulting in sizeable orders, as illustrated by the signing in January 2026 of a major contract with ACTinBlack for the supply of more than 7000 5G tubes, to be delivered across 2027 and 2028 and integrated into night vision goggles for European special forces end users."

Such is the level of demand that Exosens has earmarked a €37 million investment plan aimed at expanding production capacity in both Europe and the US. By next year that should boost production by 40 per cent across its 16 mm, 18 mm, and 5G intensifier tube product families.

Exosens sees a particular opportunity for growth in the US, where the rollout of its new manufacturing facility is underway, key equipment already ordered, and initial hires completed.

exosens.com

Author

Mike Hatcher, Business Editor, optics.org

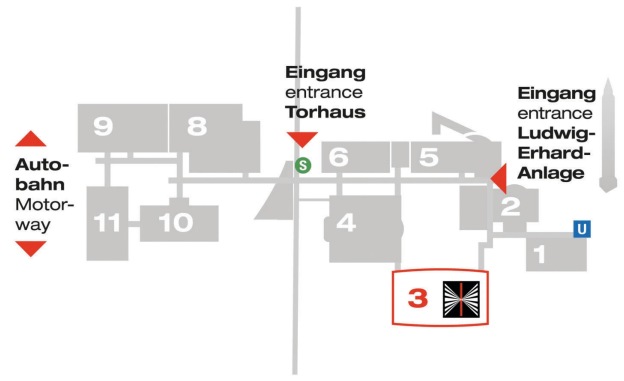
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Halle / Hall 3.0 Floor Plan

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Telefon: +972 544949730
E-Mail: ronit@a-optical.com
www.a-optical.com

Accuray Phototech, Ltd. Hall 3.0 - Stand 218

Accuray Phototech, Ltd.
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350108 FUZHOU, China
Telefon: +8659138267293
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Advanced Microoptic Systems GmbH Hall 3.0 - Stand 613

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AGC Plasma Technology Solutions Hall 3.0 - Stand 118

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www.agc-plasma.com

American Photonics Hall 3.0 - Stand 307-9

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Beijing Fly International Fairs Co., Ltd. Hall 3.0 - Stand 103

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Bilz Vibration Technology AG Hall 3.0 - Stand 211

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BLF Optik Teknoloji San. A.S. Hall 3.0 - Stand 514

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BlueLink Industrial Trading GmbH Shanghai Hana Technology Co., Ltd.

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Optatec 2026

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Optical components

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CASIX, Inc.

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CC UPOB e.V.- Nanotechnologie Kompetenz Centrum Ultrapräzise Oberflächenbearbeitung

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Manufacturing systems, optical components

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ColorLink Japan, Ltd.

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Fibre optics / light guides, laser components, manufacturing systems, optical components, optomechanics / optoelectronics

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Laser components, optical components

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Laser components, optical components

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CTL Photonics Inc.

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Optatec 2026

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Fibre optics / light guides, manufacturing systems

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Dongguan Senyong Precision Abrasive Co., Ltd.

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Günter Effgen GmbH Diamant- und Bornitrid-Werkzeuge

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Manufacturing systems

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Exhibitor Forum

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Exosens

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Optical components, optomechanics / optoelectronics

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FERROPERM

OPTICS A/S

Ferroperm Optics A/S

Hall 3.0 - Stand 329

Optical components, thin-film technology

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Optatec 2026

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Fibre optics / light guides, optical components

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Fives Landis Ltd - Cranfield Precision Division

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Manufacturing systems

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FLP Microfinishing GmbH

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Fraunhofer ISIT Microsystemtechnik

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Laser components, optical components, optomechanics / optoelectronics

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Fraunhofer-Institut für Lasertechnik ILT

Hall 3.0 - Stand 219

Fibre optics / light guides, manufacturing systems, optical components

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FresnelX

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Fujian RISING EO Technologies Co., Ltd.

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Manufacturing systems, optical components

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Hochschule Darmstadt

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Laser components, manufacturing systems

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Optatec 2026

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3520 Farum, Denmark
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E-Mail: sales@ibsen.com
www.ibsen.com

Inchoi Optek Co., Ltd.

Hall 3.0 - Stand 221

Optical components
Inchoi Optek Co., Ltd.
Shenzhen Road, Inchoi 19-3
231200 Hefei, China
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INFICON GmbH

Hall 3.0 - Stand 505

Manufacturing systems, optical components
INFICON GmbH
Bonner Str. 498
50968 Köln, Germany
Telefon: +49 221 56788-100
E-Mail: reach.germany@inficon.com
www.inficon.com

Inlight Technology HK Limited

Hall 3.0 - Stand 202-1

Inlight Technology HK Limited
1902, 19 floor, Global Gateway Tower,
999077 Hong Kong
Hong Kong S.A.R., China
Telefon: +852 2887 6018
E-Mail: inlight@inlightcn.com
https://inlightcn.com/en/

Innolite GmbH

Hall 3.0 - Stand 620

Fibre optics / light guides, laser components, manufacturing systems, optical components, optomechanics / optoelectronics
Innolite GmbH
Liebigstraße 20
52070 Aachen, Germany
Telefon: +49 241 475708-0
E-Mail: info@innolite.de
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Intpho (Fujian) Technology Co., Ltd.

Hall 3.0 - Stand 134

Optical components
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Buliding 2, No.1633
361100 Xiamen, China
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E-Mail: sales@intpho.com
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IV IR OPTICS GmbH

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Optical components
IV IR OPTICS GmbH
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www.iv-ir-optics.com

Jenny Science AG

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Jenny Science AG
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6026 Rain, Switzerland
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E-Mail: info@jennyscience.ch
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Jiangxi High-Resolution

Optoelectronic Co., Ltd.

Hall 3.0 - Stand 611

Jiangxi High-Resolution Optoelectronic Co., Ltd.
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334000 Shangrao, China
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K & Y Diamond Ltd.

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Manufacturing systems, optical components, optomechanics / optoelectronics
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H9B 2M9 Dollard-Des-Ormeaux, Canada
Telefon: +1 513 675 0640
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KPG Laser Pte. Ltd.

High-precision laser cutters & prism couplers

Hall 3.0 - Stand 615

KPG Laser Pte. Ltd.
High-precision laser cutters & prism couplers
24 Sin Ming Lane, Midview City
573970 Singapur, Singapore
Telefon: +65 96145213
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Künemund GmbH & Co. KG

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Manufacturing systems, optical components, optomechanics / optoelectronics
Künemund GmbH & Co. KG
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70565 Stuttgart, Germany
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L-Chaser Optics Ltd

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Optical components

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Lante Optics

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LAPMASTER Wolters GmbH

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Leibniz-Institut für

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Lensation GmbH

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Levicron GmbH

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67661 Kaiserslautern, Germany
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Optatec 2026

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LIDARIS, Ltd.

Laser damage testing service
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 Manufacturing systems, optical components
 LIDARIS, Ltd. Laser damage testing service
 Šv. Stepono 27C-24
 10312 Vilnius, Lithuania
 Telefon: +370 609 09233
 E-Mail: info@lidaris.com
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LightTrans International GmbH

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LOEW Präzisionsteile GmbH

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 LOEW Präzisionsteile GmbH
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 90429 Nürnberg, Germany
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MADDE Inc.

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Mahr GmbH

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Nanjing Sapphire Electro-Optics

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Nanjing Supreme Optoelectric Co., Ltd.

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Manufacturing systems
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Nanyang Running Optical & Electronic Co., Ltd.

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NTGmotion GmbH & Co. KG

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 63571 Gelnhausen, Germany
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OHARA GmbH

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Optatec 2026

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473000 Nanyang, China
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Optics.Org

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Manufacturing systems

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CF24 2SA Cardiff, United Kingdom
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OptiLayer GmbH

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Optix-BD GmbH Optische Präzisionselemente

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Opto Lab

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Optical components

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Opto-Alignment Technology, Inc.

Advanced Alignment and Metrology Solutions

Hall 3.0 - Stand 619

Optical components, optomechanics / optoelectronics

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Advanced Alignment and Metrology Solutions
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28079 Indian Trail NC, USA
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www.optoalignment.com

OptoTech Optikmaschinen GmbH

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Manufacturing systems, optical components

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Optotune Switzerland AG

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Optical components, optomechanics / optoelectronics

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OTF Studio GmbH

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Optical components

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Panasonic Connect Europe GmbH

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85521 Ottobrunn, Germany
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Photon Engineering Europe Ltd.

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Photonic Talks

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Photonics Hub GmbH

Hall 3.0 - Stand 307-1

Manufacturing systems

Photonics Hub GmbH
Wilhelm-Theodor-Römheld-Str.22
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Picotronic GmbH

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Laser components

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4500 Panagyuriste, Bulgaria
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Plasma Process Group, Inc.

Hall 3.0 - Stand 142

Manufacturing systems, optical components

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POG Präzisionsoptik Gera GmbH

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Optical components, optomechanics / optoelectronics

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Polytec GmbH

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Precizika Metrology

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Precizika Metrology
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09120 Vilnius, Lithuania
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PTB - Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Hall 3.0 - Stand 503

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Braunschweig und Berlin
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Pureon AG

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QED Technologies International Inc.

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Quantum Design GmbH

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Fibre optics / light guides, laser components, manufacturing systems, optical components, optomechanics / optoelectronics

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Roland Mandler GmbH Co Kg

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Optatec 2026

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Optical components

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Santec Europe Ltd.

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Manufacturing systems

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SCHNEIDER GmbH & Co. KG

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SCHNEIDER GmbH & Co. KG

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SFK-Service GmbH

Hall 3.0 - Stand 416

Fibre optics / light guides, laser components, optomechanics / optoelectronics

SFK-Service GmbH

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12555 Berlin, Germany
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Shanghai Desioptoe Technology Co., Ltd.

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Optical components

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Shanghai EVENOPTICS Technology Co., Ltd.

Hall 3.0 - Stand 148

Fibre optics / light guides, laser components, optical components

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201318 Shanghai, China
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Shanghai PINEN Exhibition Co., Ltd.

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Shaoxing JoinWin Micro-Led

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Hall 3.0 - Stand 517-2

Fibre optics / light guides, manufacturing systems

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Shenzhen Agilebull Technology Co., Ltd.

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Singapore Dynamic Optronics SDO

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Optical components, optomechanics / optoelectronics

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Sinocera Photonics, Inc.

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Skyline Metalworks Group Ltd.

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Skyline Metalworks Group Ltd.

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Optatec 2026 Exhibitor Directory

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Manufacturing systems

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Spectrogon AB

Hall 3.0 - Stand 315

Spectrogon AB

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SPIE Europe

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Manufacturing systems

SPIE Europe

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SRC Metals Co., Ltd.

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Optical components

SRC Metals Co., Ltd.

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Start-Up Area

Hall 3.0 - Stand 306

Start-Up Area

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Stock Konstruktion GmbH

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Sun Yang Optics Development Co., Ltd.

Hall 3.0 - Stand 131

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Suzhou Precision Optoelectronic

Technology Co., Ltd.

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Changchun Shengxi Optoelectronics Technology Co., Ltd.

Hall 3.0 - Stand 518

Optical components

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www.tascon.eu

TDG Holding Co., Ltd.

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Optical components

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Technische Hochschule Deggendorf Technologie Campus Teisnach - Optik

Hall 3.0 - Stand 503

Manufacturing systems

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Technische Hochschule Mittelhessen

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Tecport Optics Inc.

Hall 3.0 - Stand 320

Tecport Optics Inc.

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Tempotec Optics Co., Ltd.

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Tempotec Optics Co., Ltd.

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Tian Cheng Optics Co., Ltd.

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Optical components

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TNO innovation for life TNO

Hall 3.0 - Stand 330

TNO innovation for life TNO

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Tokai Optical Co., Ltd.

Hall 3.0 - Stand 146

Tokai Optical Co., Ltd.

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TRIOPTICS

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Manufacturing systems

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Universal Photonics, Inc.

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Valtech Corporation

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Manufacturing systems

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VIAOPTIC GmbH Experts for Polymer Optics

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VY Optoelectronics Co., Ltd.

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WOOPTIX

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Sichuan Yasi Optics Co., Ltd.

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YDX Optics

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Zeeko Limited

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Manufacturing systems, optical components

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Carl Zeiss Spectroscopy GmbH

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Optical components

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