Poland.

Business Forward

Electronics & Photonics Sector

Companies at Polish national stand at Photonix Tokyo 2025

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Poland.
Business Forward
Electronics & Photonics
Sector

Microelectronics, Optoelectronics, Electronic components

AG TermoPasty – your specialists in electronics chemistry.

They are a Polish manufacturer of chemical preparations, thermal interface materials, and products for maintenance and cleaning.

Since 2007, they have been delivering solutions that extend the lifetime of your devices by protecting and restoring them.
For over 15 years, they have been ensuring the quality and reliability that define their brand.

Together, let’s keep your electronics in perfect condition.

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Business Forward
Electronics & Photonics
Sector

Laser and fiber optic technologies/waveguides, waterjets, milling machines, fiber laser cutters

ATMSolutions®
Advanced Technology Machine Solutions

ATMSolutions is a Polish manufacturing company offering CNC milling machines, fiber laser cutting machines, waterjet machines and industrial milling and turning centers.
A wide product range allows you to design and implement your entire machine park with just a single manufacturer.

ATMSolutions offers:

- CNC Milling Machines,
- Milling and Turning Centers,
- Waterjet Machines,
- Fiber Laser Cutting Machines.

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Microelectronics, Optoelectronics, Electronic components, Laser and fiber optic technologies/waveguides

ENSEMBLE³
Centre of Excellence

ENSEMBLE3 – Centre of Excellence in Nanophotonics, Advanced Materials, and Novel Crystal Growth Technologies in Warsaw, Poland.
Building on the legacy of Prof. Jan Czochralski, they develop and produce advanced materials for energy, photonics, electronics, medicine, aerospace, defense, and space technologies.
Their expertise covers single-crystal growth of III-V semiconductors (GaAs, InP, GaP, InAs), oxides (YVO_4, CALGO, YAG, NGO), fluorides, SiC, and organic crystals. They supply laser-active materials, optical isolators, nonlinear and scintillator crystals, substrates, and custom solutions. Applications include efficient energy conversion, optical communications, and non-invasive diagnostics.

They also offer collaborative R&D and tailored material development.

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Sector

Optoelectronics, Optics/ Opto-mechanics

ETRONIKA

For over 20 years, Etronika Sp. z o.o. has been a trusted partner in designing and manufacturing advanced optical, optoelectronic, and electronic systems for the defence and industrial sectors.

Its products include thermal imaging cameras (cooled and uncooled), video cameras for surveillance and reconnaissance, laser rangefinders for precise distance measurement, and optoelectronic gimbals and sensor heads for observation and fire-control applications.
Etronika also develops video processing systems (MIPI-CSI, HDMI, FPD), platform-ready solutions (NVIDIA, Raspberry Pi), and robust drive controls engineered for demanding environments. Combining innovation and technical excellence, the company delivers technologies that enhance performance and reliability.

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Laser and fiber optic technologies/waveguides, Microscopy/Spectroscopy and spectrometry

Fluence .technology

Fluence Technology excels in developing and producing femtosecond lasers with a unique all-fiber design, ensuring exceptional stability and performance for industrial applications.

With a robust presence in the industry, Fluence has crafted fiber-based femtosecond lasers renowned for their oscillator stability, supported by the industry's first 5-year warranty.
Prioritizing quality and performance, Fluence's lasers are widely used in consumer electronics, semiconductor manufacturing, and display production. Their products are distributed in over 20+ countries, showcasing their global impact and reliability.

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Microelectronics, Optoelectronics, Electronic components, Optics/ Opto-mechanics, Microscopy/Spectroscopy and spectrometry

LemonTech specializes in designing and implementing advanced electronic devices. Since 2005, they have passionately created innovative solutions that find applications in various sectors such as the defense industry, Internet of Things (IoT), industrial automation, medical devices, control and measurement systems, and production testers.

Their offer includes: PCB and firmware design, Enclosure and mechanical component design, EMC laboratory testing, Prototype production, Redesign of existing solutions.

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PCB assembly services (EMS)

Nanotech Elektronik Sp. z o.o. is a Polish EMS company specializing in the design, manufacturing, and assembly of PCBs and electronic modules. Headquartered in Warsaw with production in Białystok, they deliver complete electronic solutions — from design and prototyping to final assembly and testing. They offer multilayer, HDI, flexible, rigid-flex, and metal-core PCB production, SMT/THT assembly, turnkey manufacturing, and BOM optimization. Certified to IPC-A-600 and IPC-A-610H with a 14-step quality system, they ensure precision and reliability.

Thanks to its engineering experience, strict quality standards, and flexible production, the company delivers reliable, high-precision control and power electronics for advanced devices used in the laser, photonics, optics, and measurement sectors.

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Optoelectronics, Photonics

noctiluca

Noctiluca SA is a technology company based in Toruń, Poland, listed on the Warsaw Stock Exchange. It specializes in the development of proprietary advanced compounds in the field of photonics. The company develops and manufactures new 3rd and 4th-generation OLED emitters, specifically those that exhibit Thermally Activated Delayed Fluorescence (TADF) and Hyperfluorescence properties.

In addition to its work on the commercialization of proprietary technologies, Noctiluca offers a wide range of chemical materials for the photonics market and operates as a Chemical Contract Research Organization.
On behalf of their partners the scientific team undertakes R&D projects in the chemical industry to develop cutting-edge solutions, primarily focusing on high-performance materials (HPMs).

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PPTF - Polish Technological Platform on Photonics

Polish Technological Platform on Photonics

PPTF - Polish Technological Platform on Photonics is a business organisation of photonics and microelectronics industry. They are integrating companies, academia and research organisations to develop opportunities, foster knowledge transfer and support talent development. To facilitate cooperation with wider stakeholders they have established and coordinate activities of microEPC - the Microelectronics, Electronics and Photonics Cluster.
PPTF is active in multiple international cooperation projects. They are a member of Photonics21, European Cluster Collaboration Platform (ECCP) and European Region od Defence-related Regions (ENDR).

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Optoelectronics, Electronic components, Optics/ Opto-mechanics

QNA

QNA is a tech company and a pioneer in the production of blue-light-emitting, heavy metal-free quantum dots, a new semiconductor material developed by the company mainly for the display industry. QNA is developing and commercializing technology to produce quantum dots (QNA.dots) and quantum inks (QNA.ink) that enable semiconductors to be printed on a wide range of substrates using a variety of printing techniques. Semiconductors at the nanoscale exhibit quantum properties that allow the implementation of new applications – beyond the display industry, and to improve existing solutions in the market.

The company is based in Wroclaw, where it has a state-of-the-art laboratory. Business development in foreign markets is handled by the Company's reps, operating in Japan, Korea, Taiwan, the US.

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Telecommunication of M2M

QuWireless

Production and design of telecommunications antennas for industrial applications. 5G/LTE/4G/Wifi6e/GPS. Athens for outdoor applications with the ability to monotone routers inside the antenna housing.

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Optics/ Opto-mechanics

SOLARIS OPTICS

Solaris Optics is a leading precision optics company with over 30 years of experience in the field. They are fully equipped to run the complete technology cycle from raw glass, ceramics or crystals to and finishes as a sophisticated optomechanical assembly. They control all technology path from optical designing through shaping – polishing – centering - coating – bonding - up to assembly and high-standard quality control.

All in-house using our resources, knowledge and long-term experience. The product lines cover lenses, mirrors, windows and wedges, filters and polarizes, prisms, beamsplitters, optical assemblies, laser optics, imaging optics, infrared optics, diffusers, and electro-optic modulators.

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Microscopy/Spectroscopy and spectrometry

VIGO PHOTONICS

VIGO Photonics is a leading European manufacturer of epitaxial wafers and photonic instruments. It provides fast, easy-to-use infrared detectors covering 2–16 µm, reaching BLIP limits without cryocooling. Its portfolio includes epi-wafers, IR detectors, and detection modules with excellent parameters and high uniformity.

For nearly four decades, VIGO has combined R&D with manufacturing, ensuring close customer collaboration. Its mid-IR technology enables chemical detection, temperature measurement, and monitoring of vital signs. Used in industry, its detectors analyze gases, liquids, and laser beams. VIGO's HyperPIC project aims to establish Poland's first MIRPIC foundry, boosting European photonics production.

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