NL

The complete Semicon value chain in one country

The Netherlands is one of three countries in the world, to have a complete value chain within its borders.

NL Netherlands

High Tech NL

WELCOME TO THE NL PAVILION,
YOUR GATEWAY TO THE DUTCH
SEMICONDUCTOR NETWORK
COVERING THE ENTIRE VALUE CHAIN

A New Horizon for Dutch-German Innovation Cooperation

It is with immense excitement and anticipation that I welcome our Dutch delegation to SEMICON Europa 2025. This year, we don't just face challenges; we stand at a critical inflection point—a moment of unprecedented opportunity to shape the future of the global semiconductor industry.

The world's demand for computing power, driven by Artificial Intelligence (AI), is pushing our sector to new frontiers. This surge requires not only faster chips but also a shift towards more sustainable and energy-efficient solutions. At the same time, the drive for regional resilience—underscored by recent geopolitical shifts—has elevated the European ecosystem to global importance. The partnership between the Netherlands and Germany is now a crucial enabler of the next industrial revolution.

We are witnessing the dawn of a new era of integration, led by Advanced Packaging and Heterogeneous Integration. Technologies such as 2.5D and 3D stacking, chiplets, and novel interconnects are transforming how we design and manufacture compact, high-performance, and energy-efficient systems. The Netherlands' expertise in precision engineering and high-mix, low-volume manufacturing aligns perfectly with global needs. Together we must tackle challenges in thermal management and data throughput. Germany continues to strengthen its role as a key pillar of the European value chain. Major investments in R&D and manufacturing across Saxony and Bavaria highlight a shared ambition to build a resilient, cutting-edge microelectronics ecosystem. The synergy between Dutch innovation and German industrial scale is a powerful catalyst for success.

The NL pavilion is a vibrant showcase of our nation's innovative spirit. Seize this chance to meet, connect, and forge new partnerships. These exchanges are where groundbreaking ideas are born—especially during our networking lunch on November 19, from 12:00 to 14:00.
My sincere thanks to High Tech NL for organizing this impressive national presence.
I am proud of your participation and the way you represent the Netherlands.

The Netherlands Innovation Network at the Embassy in Berlin and Consulate General in Munich stand ready to support your efforts in expanding business and research opportunities in Germany and beyond. Please do not hesitate to reach out.

Kind regards, **Claudine Clignett**
Innovation Council
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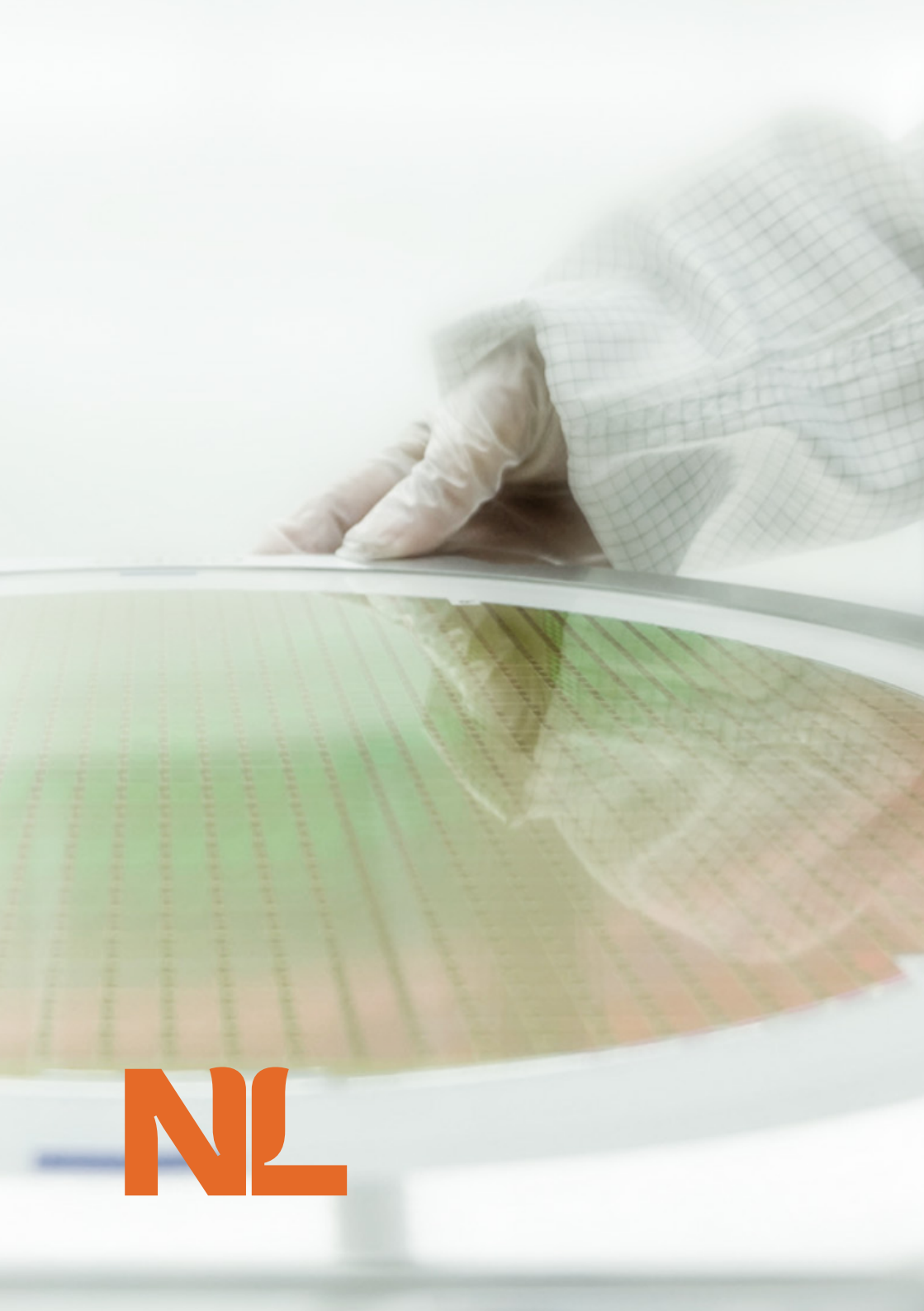
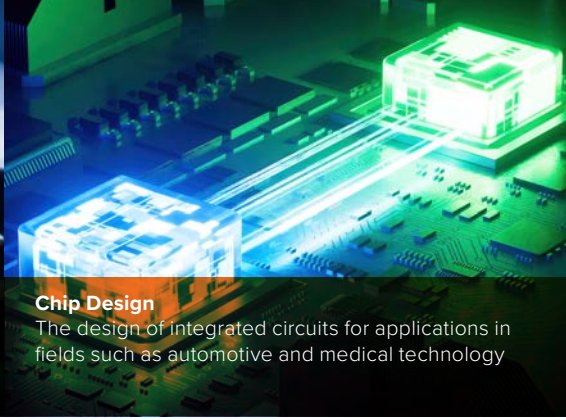

NL

Content

Semicon Manufacturing Equipment
Technology for chip production such as lithography, etching and metrology, with Dutch leaders like ASML and ASM



Chip Design
The design of integrated circuits for applications in fields such as automotive and medical technology

The Dutch Semiconductor Industry

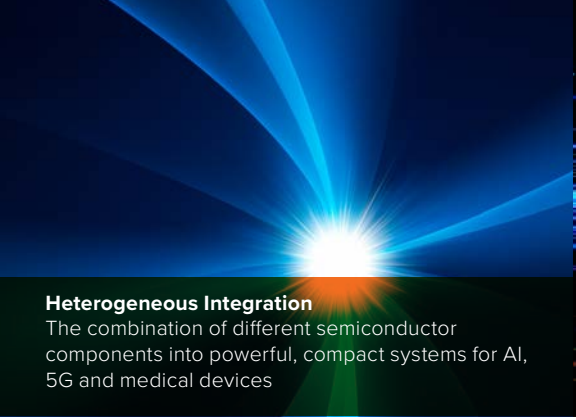
The Netherlands delivers key enabling technologies that address major global challenges, including healthy aging, carbon reduction, energy efficiency, secure societies, and sustainable mobility.

Its long-standing culture of creativity, entrepreneurship, openness, and collaboration has created an ideal breeding ground for high-tech innovation. These qualities make the Netherlands a natural home for solutions to today's most pressing societal challenges.

Known for its pragmatic mindset, smart use of technology, and close cooperation between industry, universities, research institutes, and government, supported by a flat organizational structure, the Netherlands is an exceptional place to live, work, and innovate.

The Dutch semiconductor sector employs more than 50,000 highly skilled professionals and plays a vital role in both the national economy and Europe's broader technology ecosystem. Together, nearly 400 companies generate around €40 billion in annual revenue.

The country is a global leader in several niche and strategically critical segments of the semiconductor value chain, particularly semiconductor equipment, advanced manufacturing, and chip design. As a result, the sector is not only a major economic driver but also a key component of national and industrial security policy, underpinning supply-chain resilience and strategic autonomy.



Heterogeneous Integration
The combination of different semiconductor components into powerful, compact systems for AI, 5G and medical devices

Photonics and Quantum Technology
Chips that use light for data processing, with applications in ultra-fast communication and advanced sensor technologies

From machines to chips

From applied research, chip design and architecture, and chip production to the equipment required for manufacturing, system integration, and real-world applications, the Netherlands is active across the entire semiconductor value chain.

Leading examples include multinationals such as NXP Semiconductors, ASM International, Philips, ASML, and BE Semiconductor Industries (Besi). These companies collaborate with and are supported by a vast network of SMEs that design, test, and apply semiconductor components, MEMS, microfluidic chips, and photonics in fields such as healthcare, energy, and automotive. This strong ecosystem is further strengthened by applied research at the Technical Universities, national knowledge institutes, regional innovation clusters, and the Dutch government.

From equipment to components

The Netherlands hosts a strong base of companies supplying equipment to the semiconductor manufacturing industry. Leading examples include ASML, which develops state-of-the-art EUV lithography systems, and firms such as ASM International, Boschman Technologies, BE Semiconductor Industries, Trymax, and Sempro, which provide advanced front-end processing, integration, and packaging equipment.

The Dutch Institutes

There is close collaboration between industry, academia, and government, often referred to as the “triple helix” model, which drives innovation, talent development, and scale-up.

Dutch companies work closely with technical universities and knowledge institutes such as TNO and ARCNL, as well as dedicated centers like the Materials Innovation Institute (M2I) and CITC. Each of these partners contributes specialized semiconductor expertise and develops knowledge-intensive innovations across the entire value chain. These innovations are applied worldwide in areas such as MEMS, flexible electronics, imaging devices, and other key enabling technologies.

The Dutch Industry

The Netherlands benefits from a strong, clustered ecosystem. The Brainport Eindhoven region, Twente, Nijmegen, and Delft are major hubs for high-tech innovation and semiconductor technology, design, and equipment.

Regional specializations include:

- Twente: nanotechnology, photonics, sensors
- Delft/Leiden: R&D, advanced measurement
- Eindhoven/Brainport: equipment, R&D, manufacturing

Key companies:

- ASML Holding N.V. (Veldhoven, Brainport region) — the world leader in lithography systems and the only company producing EUV machines essential for cutting-edge chip manufacturing.
- NXP Semiconductors N.V. (Eindhoven and Nijmegen) — a leading Integrated Design and Manufacturing (IDM) company with strong positions in automotive, IoT, and industrial markets.
- ASM International N.V. (Flevoland province) — specialized in wafer-processing equipment.
- BE Semiconductor Industries N.V. (Besi) — focused on semiconductor packaging, die attach, and assembly equipment.

Strengths and Competitive Advantages

The Netherlands holds key positions in the global semiconductor value chain. While not a major chip producer like Taiwan or the United States, it plays a crucial role in advanced equipment and manufacturing processes.

With strong engineering talent, a tradition of high-precision manufacturing, and a solid R&D infrastructure, the Dutch ecosystem is highly export-oriented and deeply integrated into global high-tech value chains. Because many companies operate globally, the Netherlands punches above its weight in international influence.

- **Equipment / manufacturing equipment:** The Netherlands excels in supplying advanced semiconductor manufacturing equipment, including lithography, etching, deposition, and metrology systems.
- **Design & specialty IC's / application-specific chips**: The country has strong talent and infrastructure for chip design and specialized applications such as RF, automotive, sensors, analog, and edge AI.
- **Packaging / heterogeneous integration / photonics:** The Netherlands is expanding its capabilities in chip stacking, heterogeneous integration, and photonic chips, building further strength in these emerging areas.

Dutch Semiconductor Initiatives

- The Dutch government has launched several initiatives to strengthen the semiconductor sector, including **Project Beethoven**, which invests in education and infrastructure to support regional growth.
- **The ChipNL Competence Centre** was established to coordinate collaboration between industry, research institutions, and government in innovation, design, packaging, photonics, and quantum technologies.
- A national innovation program combines public and private investments over seven years to boost competitiveness in key areas such as equipment, design, and packaging.
- The Netherlands also plays an active role in European semiconductor policy under the **EU Chips Act**, working with other EU member states to enhance Europe's semiconductor autonomy.

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High Tech NL Semiconductors is your gateway to the entire Dutch semiconductor and electronics value chain — driving innovation, collaboration and new business opportunities.

As part of High Tech NL, the industry association of the Dutch high-tech industry, we represent over 250 members: companies (OEMs, large enterprises, SMEs, and startups) and leading knowledge institutes. Together we advance long-term innovation and international cooperation through four clusters: Robotics, Semiconductors, Life Sciences, and Energy.

High Tech NL Semiconductors connects the national network of semiconductor companies and institutes across the full value chain. We strengthen the sector by fostering international partnerships, initiating innovation projects, and enabling crossovers where semiconductors serve as a key enabling technology. We organize and support international missions, workshops, and joint booths at leading semiconductor trade shows, actively contributing to Europe's collaborative ambitions.

By linking Dutch companies and institutes with Europe's top high-tech clusters, we open the door to strong, innovative partnerships. Our participation in European projects and the Silicon Europe Alliance reflects our commitment to international, collaborative innovation.

Ready to innovate with Dutch companies, universities, and research institutes? High Tech NL helps you connect and collaborate successfully!

2Connect

2Connect Group

2Connect is a global specialist in designing and manufacturing customized interconnection solutions. From cable assemblies and connectors to custom end-to-end systems, we deliver solutions that meet demanding technical requirements with the highest standards of quality, reliability, and innovation.

With engineering expertise, in-house prototyping and testing, and global facilities across Europe, USA, and Asia, 2Connect solutions are trusted across industries such as semiconductor, medical, industrial automation, and mobility – enabling next-generation technologies in critical applications.
By combining technical expertise with close customer collaboration, we create value, ensure continuity, and drive innovation worldwide.

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Giuseppe Garcea
Director Silicon

Axelera AI is delivering the world's most powerful and advanced solutions for AI at the Edge. Its industry-defining Metis™ AI platform – a complete hardware and software solution for AI inference at the edge – makes computer vision applications more accessible, powerful, and user-friendly than ever before.

Based in the AI Innovation Center of the High Tech Campus in Eindhoven, the Netherlands, Axelera AI has R&D offices in Belgium, Switzerland, Italy, and the UK, with over 200 employees in 18 countries. Its team of experts in AI software and hardware comes from top AI firms and Fortune 500 companies.

BKB Precision

BKB Precision – The plastics machining company for the high-tech industry.

For over 40 years, BKB Precision has been a trusted partner for global high-tech OEMs and contract manufacturers, specializing in the precise machining of high-performance plastics and complex geometries with tolerances up to 3 µm. We support customers throughout the entire technology lifecycle: from prototype development to volume production of technical and high-performance plastics, as well as foam materials.

Operating in High Tech markets, BKB Precision offers full-service manufacturing, engineering, and supply chain solutions that integrate seamlessly into customer processes. Our advanced facilities feature high-accuracy 5-axis milling and multifunctional turning/milling centers for tight tolerances and superior quality across various part sizes.
Beyond machining, we provide cleaning, contamination prevention, assembly in climate-controlled cleanrooms, and extensive quality inspection and metrology to ensure the highest standards of precision and compliance.

At BKB Precision, collaboration between engineers, designers, and supply chain experts is key to delivering value in every phase of production. From prototypes to series manufacturing, we guarantee world-class precision, delivered globally.

BKB Precision, together with ANKRO Kunststof Verspanings-technieken and BLW Kunststoffen, forms the BKB Precision Group.

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Bronkhorst High-Tech develops, manufactures and markets high quality - standard as well as customized - instruments and sub-systems for precise mass flow and pressure measurement and control for gases, liquids and vapors.

Bronkhorst High-Tech is a leading manufacturer in the field of flow measurement and control technology. We offer an extensive product range of thermal, Coriolis and ultrasonic flow meters and controllers for low flow rates of gases and liquids. Our instruments - partly produced in a cleanroom - are used for a variety of applications in laboratories, test benches, machinery and a wide variety of industries. By sharing our knowledge and closely cooperating with OEM customers, we develop customer specific low flow solutions, e.g.of multi-functional, pretested modules or skids for gas, liquid or vapor flow control.

With our headquarters based in Ruurlo (NL), Bronkhorst is represented by 12 wholly owned subsidiaries in Europe, in the USA and in Asia and additionally by a network of distributors in more than 30 countries worldwide.

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ceratec
TECHNICAL CERAMICS

Ceratec Technical Ceramics

Ceratec Technical Ceramics (Netherlands) has 40 years of experience in the (co)design and manufacturing of High-tech ceramic components and assemblies. Demonstrated capability in the manufacturing of complex designs with extreme accuracies. Extended knowledge of the different types of ceramics and subspecifications. Expertise with compound assemblies (e.g. Ceramics-Metal). Experience with additive manufacturing (3D printing). Long term partnerships with recognized companies in the Hightech / Semicon industry.

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Charilos Karambalis
Sales Manager

The applications of this unique material are endless. When metals, alloys or polymers can't do the job, technical ceramics might be the answer. Let's investigate together.
With its own D&E department and production, Ceratec has the expertise to develop a tailormade solution for your application. Discover the power of Technical Ceramics.

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- Independent partner
- Material selection for application
- Extended network in Ceramics supply chain
- (Co)Design and Product Development - R&D, NPI
- Reliable contract manufacturing partner
- 40 years of Manufacturing expertise
- Assembly & joining (metal – ceramic)
- Western European company & way of working

Fastmicro

Fastmicro is a technology leader in advanced surface particle contamination inspection equipment, serving the microtechnology industries. Our fast measurement solutions offer high throughput and cost-efficient contamination control at sub-micron level, reducing defectivity, failures and yield losses.

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Our product range and analytics software cover a wide variety of applications and processes, including in-line defect inspection systems, transportable scanners, continuous particle fallout monitoring, and scanning modules for system integration. As an innovative metrology equipment and service supplier based in the Eindhoven Brainport area of the Netherlands, Fastmicro has a global presence with sales offices and local representation in Europe, Taiwan, Korea, Japan, and the USA. We are committed to delivering exceptional value to our customers through our cutting-edge technology and unparalleled customer service.

Keywords: Cleanliness analysis and control, Surface particle contamination inspection equipment, Particle deposition monitoring, Metrology systems, Particle Defect Inspection System

LouwersHanique & Millux | part of IDEX

Since 2022, LouwersHanique and Millux have been part of IDEX Corporation. IDEX created a new platform, IDEX Materials Science Solutions, combining expertise in optical technologies, technical ceramics, glass, and metals to serve the semiconductor industry. This platform supports the full product lifecycle from early development to high-volume manufacturing offering consultancy, co-engineering, and advanced processing including miniaturization and laser machining.

With over 70 years of experience in technical glass and ceramics and 35+ years in precision laser machining of metals, LouwersHanique and Millux offer a unique combination of high-tech engineering and manufacturing. We support concept, design, machining, bonding, UHV cleaning, and assembly, with a strong focus on high-precision applications. Our co-development approach connects engineers directly with customers, enabling fast and cost-efficient, 24/7 production through lean, digitalized, and automated setups.

We specialize in laser and CNC machining of Quartz, Alumina, PBN, ALN, Macor, Silicon, Silicon Carbide, and various metals. Our proprietary bonding methods enable robust vacuum feedthroughs without laser welding or sealing technologies. We deliver components such as feedthroughs, sensor housings, laser subassemblies, end-effectors, and precision metal parts, built to perform in demanding environments.

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Rob Theunissen
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MAGNETIC INNOVATIONS
the direct drive motor company

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Magnetic Innovations specializes in the development of advanced electric motor technology, including Direct Drive Rotary and Linear Motors & Generators, Voice Coil Actuators, and custom electromechanical solutions. From our cutting-edge R&D and manufacturing facility in the high-tech Dutch Brainport Region, we deliver tailored solutions that optimize the performance of our customers' specific applications.

Vacuum Applications

In addition to our expertise in the aforementioned products, we specialize in electric motors that are fully encapsulated in stainless steel (laser welded) for stringent vacuum applications up to 10^-8 mBar.

We understand the needs of customers in vacuum applications, such as:

- Low heat dissipation and effective heat load transfer
- Extremely low outgassing
- Preventing unwanted chemical reactions
- Avoiding contamination
- Minimizing virtual leaks
- Reducing magnetic stray fields
- Ensuring cleanliness

Our engineers focus on addressing these issues during the design phase and developing the most suitable motor for your application. Our ISO 9001 certified production facility in the Netherlands ensures, with meticulous attention, that all these critical factors are maintained. Guaranteeing a high level of cleanliness during the production and handling of the motors.

Malvern Panalytical

Precision Metrology for the Semiconductor Industry. Malvern Panalytical delivers advanced metrology solutions for semiconductor manufacturing, supporting innovation and precision across R&D, pilot, and high-volume production.

With over 80 years of expertise, its X-ray tools enable non-destructive analysis of thin film thickness, composition, and structure with sub-angstrom precision. The company also offers crystal orientation systems for precise control during wafer cutting and implantation. Trusted by leading fabs and research institutions, Malvern Panalytical ensures process optimization and quality control throughout the semiconductor value chain.

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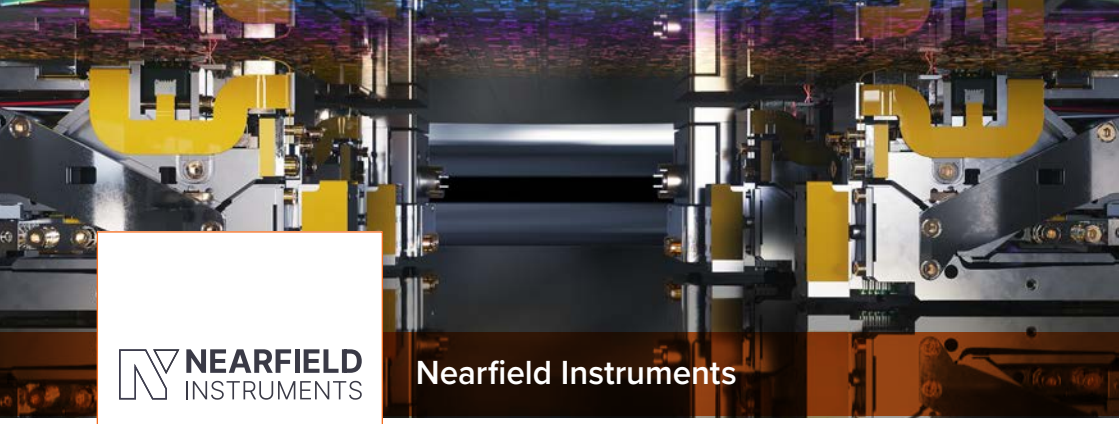

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Jeroen Verbiest
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With downscaling of features, rising complexity and the shift to 3D architectures, semiconductor manufacturing faces unprecedented challenges in process development and control. At Nearfield Instruments, we meet this demand by delivering high-throughput, non-destructive, in-line metrology and inspection solutions for high-volume manufacturing.

Built for the 5 nm era and beyond, our systems empower the semiconductor industry —from advanced wafer processing to specialty nodes and advanced packaging— to achieve tighter control, faster feedback and higher yields. By combining speed, precision and seamless integration into production environments, we enable chipmakers to master today's most intricate manufacturing processes and accelerate the next wave of innovation. Our scalable solutions enable manufacturers to handle increasing device complexity while maintaining productivity in a market where every nanometer counts.

Products & Services

QUADRA™ is our surface metrology solution for the most advanced semiconductor nodes. QUADRA™ combines a multi-miniaturized AFM head architecture with our proprietary Feedforward Trajectory Planner imaging technology to deliver on-device, non-destructive measurements for in-line process monitoring of amongst others very high-aspect-ratio structures, hybrid bonding and EUV resist critical dimension metrology. Deployed in major high-volume manufacturing fabs worldwide, our products empower chipmakers with the speed, precision and actionable data needed to control the most complex processes and accelerate time-to-yield.

New Cosmos - BIE

NEW COSMOS - BIE
Gas Detection Solutions

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New Cosmos-BIE is a manufacturer of advanced gas detection solutions, specializing in the demanding requirements of the semiconductor industry. With decades of expertise in gas monitoring technology, the company delivers reliable, high quality, and innovative equipment that safeguards people and facilities.

At the forefront of its portfolio is the new PS-8 series gas detector, designed to provide high-performance monitoring in environments where accuracy and speed are paramount. Compact yet powerful, the PS-8 offers enhanced detection capabilities for a wide range of hazardous gases commonly used in semiconductor manufacturing, helping customers maintain compliance and ensure operational safety.

Complementing the PS-8 is the ePACT controller platform, an intelligent and scalable system that integrates seamlessly with gas detection networks. Engineered for flexibility, the ePACT platform supports centralized monitoring, real-time data analysis, and advanced alarm management, giving users greater control and confidence in their safety infrastructure.

Through continuous innovation and a commitment to customer-focused solutions, New Cosmos-BIE is setting new standards for gas detection in high-tech industries. By combining proven reliability with next-generation technologies, the company empowers semiconductor manufacturers worldwide to protect their workforce and build safer working environments.

Turn-Key Partner for Custom Opto-Mechatronic Modules

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NTS develops, produces, assembles and tests complex (opto)mechatronic systems and mechanical modules that accelerate customer innovation. With expertise in high-precision manufacturing, complex frames & enclosures, advanced finishing, optics and 3D printing, NTS offers complete solutions for the high-tech industry.

As a first-tier contract manufacturer, NTS supports OEM customers in semiconductor and analytical markets from concept and prototyping through industrialization and volume production, ensuring scalability, reliability and faster time-to-market. In doing so, NTS contributes to a more sustainable, healthier and future-proof world.

Facts at a glance:

- Headquarters in Eindhoven, the Netherlands
- 75+ years of experience
- Active in 5 countries
- 1,800 employees
- Turnover > €430 million

NXTGEN Hightech

NXTGEN Hightech is a national Dutch program accelerating next-generation semiconductor and systems innovation. Backed by €1 billion through 2030 (including €450 million from the National Growth Fund), it unites 330+ industrial and research partners across six domains.

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In semiconductors, NXTGEN Hightech supports a coherent portfolio covering the full chain from process to ecosystem. Key partners include:

- Lam Research – pulsed laser deposition (PLD) for RF-MEMS and power devices.
- TNO – next-gen equipment architectures in mechatronics and cryogenics.
- ITEC – ultra-fast laser-based chip assembly (LDT/LIFT) for heterogeneous integration.
- Holst Centre (TNO & Imec) – additive deposition and 3D-printed electronics for packaging and test boards.
- Nearfield Instruments – nanoscale metrology platforms with AI-driven data analysis.
- IMS – scalable testing and probing for photonic integrated circuits (PICs).
- Salland Engineering – ecosystem roadmaps and standardization for European photonics manufacturing.

By aligning equipment development, metrology, integration, and ecosystem deployment under one program, NXTGEN Hightech strengthens Dutch technological sovereignty, accelerates commercialization, and cements the Netherlands as a European hub for semiconductor equipment and systems.

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Odyssey Technical Solutions. The World's Largest Dedicated RF, DC, Microwave Equipment Repair Company—in business since 2000. Odyssey procedures and processes developed over many years are designed for repeatable success in our repairs and to give our customers a high level of confidence that we will do it right—the first time.

Top reasons why you should choose Odyssey for your equipment repair:

1. Quality, turnaround, and price leader.
2. Many years of repair experience and knowledge of semiconductor and industrial applications.
3. Dedicated customer service reps who will advocate on behalf of the customer and "make it right".

RF, DC, & MW Equip Repair Experts -ISO, ESD, & IPC Certified

About Odyssey Technical Solutions

- World's Largest Dedicated Repair Facility specializing in RF, DC, and MW
- Headquartered in Round Rock, Texas, USA (20+ years in business) , with Repair Facilities in -Singapore and in the Netherlands
- Distributors of Bird Technologies RF Power Measurement Tools for Dry Etching Processes

For a list of items we repair:
https://www.odysseyrf.com/equipment-repair.html

Raith

RAITH is the global market and technology leader for maskless nanofabrication and characterization systems and solutions, enabling customers in industrial and scientific settings to drive innovation and device production all around the world.

With a broad range of technologies and many years of experience, we enable a wide variety of applications of the digital future – including connectivity, mobility, green energy, and healthcare. Our unique combination of high-precision writing and imaging tools creates efficient solutions for research and industry.

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RESER is a total supplier for refurbishment, repair and support of wafer handling equipment used in the semiconductor industry, such as robots, pre-aligners, robot controllers and loadports.

RESER covers and supports customers in Europe, USA and Asia from our offices in Europe and USA:

- RESER EUROPE BV: Headquarters in Uden, Netherlands
- RESER US Inc: located in Harleysville, Pennsylvania, USA

RESER is known as a company that delivers high quality products and solutions. We also provide outstanding customer support, both technical and sales. We never compromise on the quality of the products and services that we deliver.
Our products and services consist of:

- Refurbishment, repair and troubleshooting wafer handling equipment
- Remote and on-site support
- Preventive maintenance programs
- Training in robot maintenance and troubleshooting

While we are fully committed to continuously improve our procedures and processes, we are also focussed on quality, health, safety, and environmental care. We will always strive to deliver the highest possible quality of work while protecting the health of our employees, promoting wellness, preventing safety incidents, and reducing our environmental impact.

RESER is shaping the future, one refurbished system at a time, contributing to a more sustainable and efficient semiconductor manufacturing ecosystem.

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CEO

Salland Engineering in Zwolle – The Netherlands is an international leading Semiconductor Test Technology & Engineering company. With more than 30 years of experience and expertise, Salland delivers innovative test solutions via a unique combination of instruments, test applications and supply chain & test services, all in one company.

ATE Instrument Solutions: We design and manufacture high quality instruments, enabling you to upgrade functionality, performance and channel density of your ATE (Automatic Test Equipment) and/or T&M setups. This makes us partner of global, top players in the semiconductor market. For fast silicon bring-up/NPI, we also offer bench Test-lab-in-a-Box solutions.

Test Application Development: We provide services like test program development, test strategy & DFT advice, product qualification and release to production. Our in-house hardware design team can support you with development of load boards and probe cards (including simulation services) for mixed-signal, RF, High-Speed and AI devices.

Supply Chain & Test Services: As one of the most advanced test houses on the planet, we offer packaged & wafer chip testing, from sample & process qualification up to 'high-volume' production. With our onsite equipment (ATE, handlers & probers) we can provide NPI engineering support for fast bring-up of your semiconductors to the market.

Schunk Xycarb Technology B.V.

Schunk Xycarb Technology produces high-tech consumable parts made of quartz, graphite and ceramics for the semiconductor, LED, silicon, and solar industries. In addition to producing new parts, we offer Si EPI and SiC EPI refurbishments, providing a comprehensive one-stop-shop solution for customers across Europe.

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Michiel Festen
Sales Director

Dino Alagic
Sales Engineer

Pierre Soulisse
Key Account Manager

With an international team of over 600 professionals, we indirectly contribute to the production of devices used in computers, servers, lasers, LED lights, cars and smartphones.

Schunk Xycarb Technology is part of the Schunk Group, an international technology organisation employing more than 10,400 people in 26 countries. Schunk Xycarb Technology is headquartered in Helmond, the Netherlands. Additional production and sales facilities are located in Germany, the United States, China, and Taiwan.

Dedicated engineering teams provide support to the fast-developing microelectronics industries. Our high-precision machining and coating capabilities meet the most demanding customer specifications. To innovate and invest in new materials, we rely on our own R&D facilities.

We aim to serve customers to the highest standards of collaboration and efficiency. With a global network of sales and distribution, we offer localised service and support. All our activities are geared towards providing Pure Excellence.

SCIL Nanoimprint B.V.

SCIL Nanoimprint Solutions

SCIL Nanoimprint Solutions, a Philips spin-out based at the High Tech Campus in Eindhoven, The Netherlands, provides high-volume imprint lithography equipment with nanometer-scale precision for photonics and optics.

Leveraging its unique technology of Substrate Conformal Imprint Lithography (SCIL), the company achieves features down to 10 nm and processes wafers up to 300 mm at throughputs of 50 wafers per hour—delivering lower processing costs than alternative nanolithography platforms.

Built on more than 20 years of R&D at Philips and close collaborations with leading global partners, SCIL enables next-generation applications such as Optical I/O, AI data-center interconnects, and ultra-compact optical elements for mobile and augmented reality devices. Its portfolio spans advanced imprint equipment, tailored optical materials, and optimized processes.

To support fast time-to-market customers can benefit from an Application Development Center staffed with a multidisciplinary team for process optimization and sample production.

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Erik Peters
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SoS is the link to sustainable production in the high-tech industry. Since 20 years meeting our customers challenges with competence.

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Peter Sakko
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SoS Services Engineering Support

- Engineering Support on multiple OEM platforms.
- Maintenance, trouble shooting, upgrading, training and on-site execution with a flexible Field Service contract.
- Auditing, fingerprinting, decommissioning, transport and commissioning.
- CE certification.

We realized >200 equipment start-ups & installations globally.

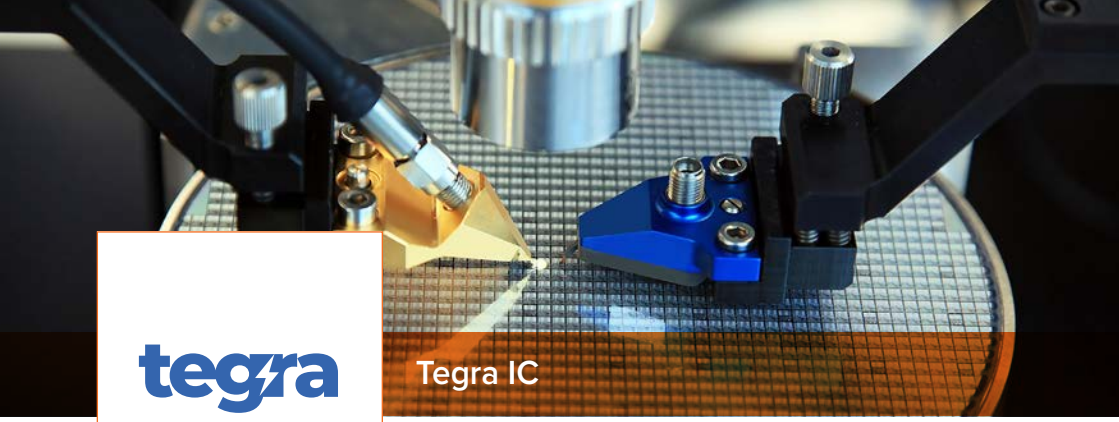
SoS-Ascent'tec for Equipment & spare parts Trading

- Buying Direct or in Re-marketing with Transparent commission structure.
- Connected into International network.
- Consignment at customer warehouses.
- Refurbishment & smart upgrades to lengthen lifecycles.
- >65 systems directly available from SoS warehouses.

SoS-Ascent'tec Webshop for Spare Parts

- First class second sourced parts.
- >20.000 quality parts on stock.
- Shipments <24hrs.
- Samsung Cheil CMP Slurry.
- Wafer Supplies.

Our work starts where the OEM stops!



Tegra IC

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Ates Berna
Managing Partner

IC Design and More...
TEGRA IC delivers cutting-edge Analog/RF, Analog Mixed-Signal (AMS), and Digital IC design, embedded software, and turnkey solutions.

As a joint venture between ELECTRA IC and ATEK MIDAS, it leverages over 25 years of expertise in IC and RF technologies. ELECTRA IC specializes in Digital IC design and embedded software, while ATEK MIDAS brings deep know-how in Analog/RF and AMS. Together, they enhance IP core capabilities and offer end-to-end solutions, from core design to board and system-level delivery.

The company is recognized for fast, high-quality, turnkey services, backed by rigorous verification processes and in-house testing up to 40 GHz. Its laboratories and methodologies ensure low-risk, custom ICs that meet the highest performance and international standards.

Based in the Netherlands, TEGRA IC serves a growing global market, partnering with IP, tool, and fabrication vendors. Its management team brings extensive experience from companies like Alcatel Microlectronics, STMicroelectronics, Ericsson, and Analog Devices, successfully delivering solutions for multinational semiconductor clients.

With a combination of expertise, innovation, and robust processes, TEGRA IC stands out as a versatile and reliable player in the semiconductor industry.

Tempress

Tempress' mission is to support customers in the semiconductor, power, MEMS, photonics, solar, life sciences and coating markets to produce advanced materials and devices with high added value innovative furnace solutions.

Tempress' over 50 years of heritage in development and manufacturing of diffusion and deposition equipment as well as its related processes is a testament to the company's flexibility, innovation, quality, and dedication. Tempress's headquarters is located in Vaassen, the Netherlands.

Our portfolio contains horizontal and vertical furnace equipment, ranging from small batch R&D systems up to high volume, fully automated manufacturing equipment.

Customers are supported throughout the world by our highly professional direct sales & service engineers and commercial partner network.

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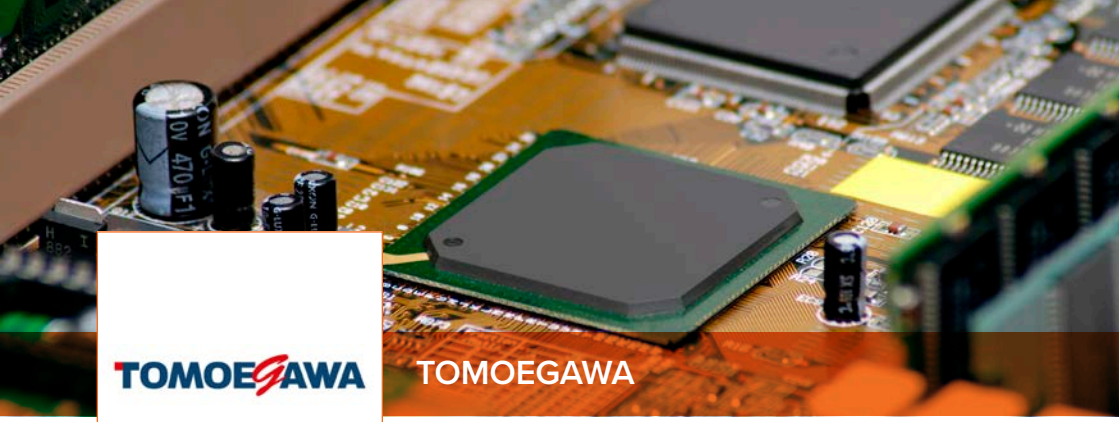

TOMOEGAWA

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Yoshio Inoue
President and CEO

Surprising Solution

Leveraging TOMOEGAWA's technological expertise, we partner with our stakeholders to envision and accelerate a future with advancements in every discipline. We collaborate with our customers to consistently provide fresh insights and novel perspectives from the initial testing and trial stages through to the end of the development process.

Solves "heat, electricity, electromagnetic waves" problems of electrical and electronic devices and very sensitive control for process equipment!

With the recent spread of IoT, 5G, AI, and car electronics, many electrical and electronic devices and parts require smaller, lighter and higher power (high voltage, large current, high frequency). To meet these needs, we combine electrical property know-how with the strengths of "papermaking technology" and "coating technology" to prevent electrical and electronic equipment failures.
In addition, thermal control is very critical for fine and precise control of mechanical positioning and chemical reaction. TOMOEGAWA provides thermal management component for the solution.

We are expanding our products, which control "heat, electricity, electromagnetic waves" to provide a variety of solutions.

XIVER

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Paul van Dijk
Vice President Strategic Business Development

XIVER, more than a MEMS foundry.
XIVER, 120 employees, located in High Tech Center of the Netherlands, a carve out from Philips Research started its business in January 2025.

XIVER is unique in that they combine the strength of a pure-play foundry with more than 20 years of MEMS process development knowledge and experience in high tech micro systems solutions. A state-of-the art cleanroom of 2600m2 (28,000 sqf), independent positioning in the market and European ownership.

XIVER's increasing share of wallet of its top-tier customers in medical, semiconductor equipment and defense are driving its initial growth and success. Secured by high barriers of entry and scarce availability of available manufacturing, make XIVER a first option for innovations in high tech market segments like data centers/AI and IR applications. Further strategic investments in Photonics and Transducers will provide longevity and will be driving accelerated growth in mid to long term.

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High Tech NL brings together knowledge institutes and semiconductor companies across the entire value chain to accelerate innovative and flexible semiconductor solutions.

High Tech NL