Netherlands trade mission to SEMICON West

5 – 10 October 2025

Netherlands

Index

The Netherlands

Company profiles

Contact Details

Source: ASML Netherlands B.V.

Foreword

Dear participants,

It is my great pleasure to welcome you to SEMICON West: one of the world's most prestigious gatherings for the semiconductor and high-tech industries, and the largest semiconductor tradeshow in the United States. That's why I am especially pleased that, for the very first time, the Netherlands is officially participating in SEMICON West, thus allowing Dutch businesses to demonstrate their strengths to the world.

The Netherlands and Arizona share a strong, dynamic partnership. In 2023, Dutch Prime Minister Mark Rutte led a major economic mission to the State, underscoring our close ties. We've also had the pleasure of hosting Sandra Watson, CEO of the Arizona Commerce Authority, in the Netherlands on multiple occasions. With the establishment of the Netherlands Business Support Office (NBSO) in Phoenix, we are taking our collaboration to the next level, building on the foundation of our MoU to create even more opportunities together.

At SEMICON west, we have a broad spectrum of our Dutch value chain present: from packaging to suppliers, as well as lithography, design, deposition, and photonics. We aim to connect from ecosystem to ecosystem. As mission leader of this trade delegation, I look forward to engaging with you at the NL pavilion!

Here's to a week full of opportunities, connections, and success!

Yvette van Eechoud
Deputy Director-General Foreign Economic Relations, NL Ministry of Foreign Affairs

Foreword

Welcome to Phoenix, Arizona!

What an exciting moment: the very first time we get to host Dutch businesses and organizations at SEMICON West in Phoenix, Arizona!

This mission reflects years of joint efforts by the Netherlands and Arizona to strengthen economic ties and open new opportunities for business.

Arizona and the Netherlands share a long-standing friendship and strong economic ties. In 2023, the Netherlands ranked as Arizona's third-largest export market, with more than $1.7 billion worth of goods exported. Dutch companies such as ASML, ASM, and NXP, continue to make substantial investments in the state, and our trade and investment is supporting over 15,000 jobs in Arizona. These are truly significant contributions to our shared prosperity.

This year's theme of SEMICON West, *Stronger Together—Shaping a Sustainable Future in Talent, Technology, and Trade*, reflects the ambitions set in the Memorandum of Understanding (MoU) signed between the Netherlands and Arizona in January 2025. Together, we are committed to advancing collaboration in trade, technology partnerships and workforce development.

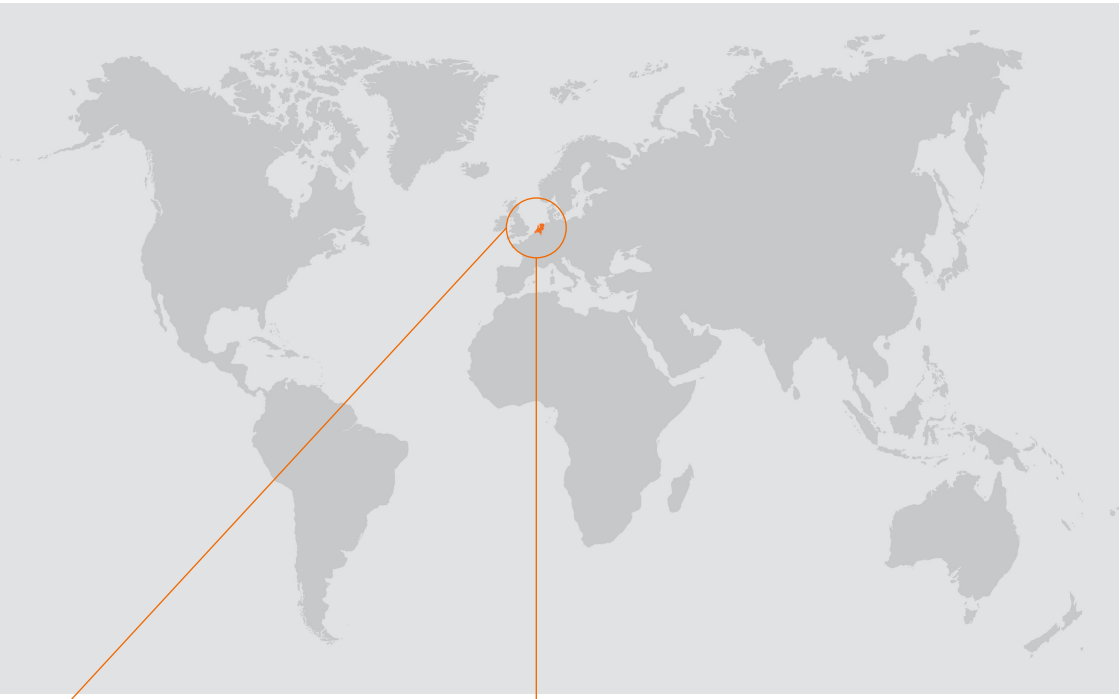
It is our hope, and the driver of our efforts, that SEMICON West and the activities that we have organized for you will serve as a platform to forge meaningful connections with new partners, customers, and stakeholders. In this way, it contributes to the Netherlands-Arizona partnership and turn the ambitions set in the MoU into tangible results.
From Silicon Valley to Silicon Desert: The Consulate General of the Kingdom of the Netherlands in San Francisco, together with the Netherlands Business Support Office in Arizona, is here to help create business connections. We are ready to provide support, so let us know how we can assist you!

I look forward to a productive and inspiring week at SEMICON West.

Agnes Koppelman
Deputy Head of Mission – Consulate General of the Kingdom of the Netherlands in San Francisco

The Netherlands

The Netherlands



Locations

1. Amsterdam (and Airport Schiphol) |
2. Arnhem | 3. Assen | 4. Breda |
5. ‘s Hertogenbosch | 6. Eindhoven |
7. Enschede | 8. Groningen | 9. Haarlem |
10. The Hague | 11. Leeuwarden |
12. Lelystad | 13. Maastricht |
14. Middelburg | 15. Rotterdam |
16. Utrecht | 17. Zwolle |

Introducing the Netherlands

How do the Dutch make a difference?

Through their interactive approach to finding innovative solutions to the big challenges facing the world today. The Dutch way of thinking and working has been shaped by centuries of living in the low-lying delta of the Netherlands. Through the ages, the Dutch have joined forces to find ingenious ways to tackle challenges like water, urbanisation, energy, food, health and security. By being inventive, pragmatic and open to new challenges, the Dutch have created a flourishing and resilient land.

The Netherlands is a constantly evolving ecosystem of cities, industry, agriculture and nature, all integrated through smart infrastructure. It is a source of knowledge and experience that the Dutch are keen to share with others. Learning from the past to create a better future. Together, seeking sustainable solutions for the most liveable world.

Source: Frans Lemmens

Worldwide rankings

1st

Largest flower exporter
(Source: OEC, 2022)

3rd

Largest exporter of agricultural products in the world
(Source: WUR/CBS, 2023)

4th

Largest importer of goods in the world, 842.05 billion US dollars
(Source: Statista, 2023)

4th

Largest exporter of goods in the world, 934,57 billion US dollars
(Source: Statisa, 2023)

4th

Leading economy worldwide by Foreign Direct Investment (FDI) inward stock, 2,86 trillion US dollars
(Source: Statisa, 2023)

6th

Greatest place to live
(Source: World Happiness Report, 2024)

7th

on the Global Innovation Index
(Source: WIPO, 2023)

9th

on the World Competitiveness Ranking
(Source: International Institute for Management Development, 2024)

Facts & figures

Official name:
Kingdom of the Netherlands

Capital:
Amsterdam

Seat of government:
The Hague

Form of government
Parliamentary democracy (cabinet of Prime Minister and Ministers) within a constitutional monarchy

Head of State:
His Majesty King Willem-Alexander, King of the Netherlands, Prince of Orange-Nassau

Location:
Western Europe bordering Germany, Belgium and the North Sea

Administrative structure:
The kingdom consists of four entities. The Netherlands and three territories in the Caribbean: Aruba and Curaçao and St. Maarten.

Special municipalities
The overseas islands of Bonaire, Saba and St. Eustatius, all three of which are located in the Caribbean.

Surface area
41,543 km^2

Number of inhabitants (2024):
18 million

Monetary Unit:
Euro

Languages:
Dutch, Frisian and on the overseas islands also English and Papiaments

GDP per capita
(World Bank, 2024):
57,800 US dollars

Number of provinces:
12

Number of inhabitants per km^2 (2024):
533

Unemployment rate (CBS, 2024):
3.7%

English speaking Dutch people:
90%

The United States and the Netherlands:

Driving innovation in semiconductors together

Semiconductors are the essential building blocks of today's digital world. Powering everything from computers, smartphones, and cloud computing infrastructure to 5G networks and an ever-expanding range of smart, connected devices, they are critical to modern life. Approximately 70% of semiconductor chips today are embedded in everyday items such as household appliances, electric vehicles, drones, and wearables. This sector serves not only as a cornerstone of digital innovation but also as a driving force behind sustainable solutions and the green industries shaping the future. As global demand surges and manufacturing processes become increasingly complex, international collaboration and cutting-edge innovation have never been more vital. Recognized globally for its leadership, the United States hosts major semiconductor hubs such as Phoenix and the broader West Coast, which actively drive breakthroughs in chip design, advanced manufacturing, and materials science. The Dutch semiconductor sector holds a pivotal position in Europe, delivering comprehensive expertise across the entire value chain.

Source: ASML Netherlands

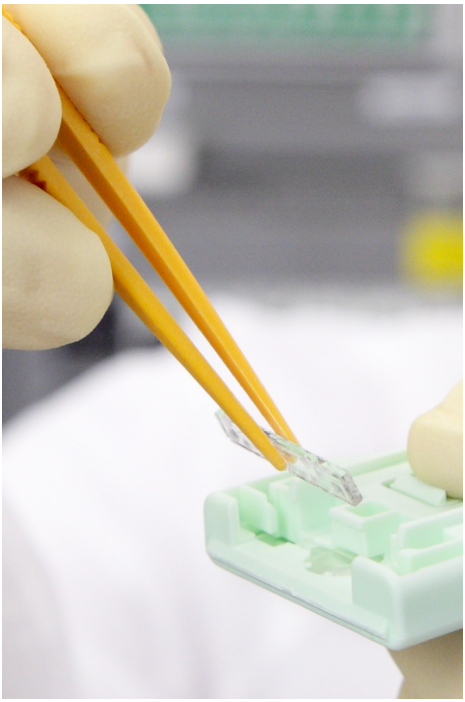
This mission seeks to reinforce the longstanding partnership between Dutch and US companies, governments, and knowledge institutions. By working together, both countries can tackle supply chain challenges effectively, accelerate technology development, and forge new collaborations that strengthen the global semiconductor ecosystem.

The high-tech gateway to Europe

The Netherlands is one of only three countries worldwide to host all six steps of the semiconductor value chain within a 200-kilometre radius, from design and fabrication to packaging, testing and assembly. This close-knit and highly integrated ecosystem accelerates innovation by linking businesses, governments, research institutes, and societal partners in what is known as the quadruple helix model. The Dutch semiconductor landscape is strengthened by world-class expertise in advanced manufacturing, integrated photonics, and quantum technology. These fields are critical to creating sustainable, future-proof solutions as global data traffic doubles every two years. Rooted in decades of high-tech innovation and backed by strong public-private partnerships, the Netherlands is committed to working with international partners to co-create technologies that benefit society as a whole.

A shared vision for the future

This mission embodies our shared vision of deepening transatlantic cooperation. By connecting Dutch and US innovators, we aim to build new partnerships, strengthen our ecosystems, and unlock opportunities for mutual advancement in the semiconductor industry. Together, we are laying the groundwork for the next generation of high-tech innovation, an industry at the heart of global progress and connectivity. Arizona's ecosystem offers Dutch expertise fresh avenues for collaboration and growth, while our partnership promotes resilient supply chains and sustainable development. Through this mission, we seek not only to drive progress, but to shape a smart future through high-tech innovation.



Sources: UTwente & NL Branding

Company Profiles

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ASML Netherlands

ASML is an innovation leader in the semiconductor industry. We provide chipmakers with everything they need – hardware, software and services – to mass produce patterns on silicon through lithography. We believe in pushing technology forward, enabling groundbreaking solutions to some of society's toughest challenges.

Founded in Eindhoven in 1984, we're a global team of more than 44,000 employees (FTE), of 144 nationalities and counting. Our operations are spread across more than 60 locations in Europe, Asia and the Middle East and the US.

Products & Services offered

The semiconductor industry is driven by affordable scaling – the ability to make smaller, more energy-efficient transistors at the right price.

Our holistic approach is based on the integration of lithography systems, computational lithography and metrology and inspection. This integration enables shrink by optimizing setup and control of the system's process window during high-volume manufacturing. It improves the availability of our lithography systems, reducing downtime and overall costs, and optimizing yield for our customers.

To ensure the systems in our customers' fabs run at the highest levels of predictability and availability, we have more than 9,000 customer support employees who offer 24/7 support.

Online information

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BKB Precision

The core activity of BKB Precision is accurate machining high-performance plastics up to a precision of up to 3um.

BKB Precision is a specialist in the production of high-performance plastic parts for more than 40 years. We are active in various high-tech market segments and process technical plastics, high performance plastics and foam materials.

The years have learned that BKB Precision has been a reliable partner for machining high performance plastics for the High Complexity, Low Volume, High Mix high tech markets. BKB Precision is not only your manufacturing partner but also your supplier when it comes to realizing your assembly and supply chain needs.

BKB Precision, along with ANKRO Kunststof Verspaningstechnieken and BLW Kunststoffen, is part of BKB Precision Holding BV.

Products & Services offered

- High-Precision CNC machining of plastics
    - 3-, 4-, and 5-axis CNC milling, including simultaneous 5-axis machining and portal milling for large panels.
    - CNC turning and turn-mill combinations, with systems up to 7 axes.
- Assembly, Cleanroom Handling & Logistics
    - Services include (cleanroom) assembly, cleaning, packaging, and testing.
- Advanced Machinery & Facilities
    - Climate-controlled production environment with high-precision CNC machines
- Sustainability & Growth Through Acquisitions
    - Part of the BKB Precision Group, with strategic acquisitions such as ANKRO (2022) and BLW Kunststoffen (2023), and the release of a 2024 Sustainability Report.

Online information

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Brabant Development Agency (BOM)

Brabant Development Agency (BOM) is a government-funded organization dedicated to driving economic growth and innovation in the province of Brabant.

We empower companies by providing venture capital, fostering innovation through targeted programs, and supporting their expansion into international markets.

BOM Internationalization helps businesses realize their global ambitions by providing industry insights, connecting them with public and private partners, and organizing trade missions, networking events, matchmaking, and participation in trade fairs.

The United States is a key market for BOM. We actively foster collaboration between Dutch and American companies, creating new business opportunities and strengthening bilateral ties.

Products & Services offered

- Assisting Dutch companies in entering new markets
- Providing access to international business networks
- Offering venture capital and funding opportunities
- Developing ecosystems and innovation programs
- Tailored business support and strategic advice
- Assisting foreign companies establishing in the Netherlands

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Bronkhorst High-Tech

Bronkhorst High-Tech is a leading manufacturer in the field of flow measurement and control technology. With more than 40 years' experience, we offer an extensive product range of thermal, Coriolis and ultrasonic flow meters and controllers for low flow rates of gases and liquids.

With our headquarters based in Ruurlo (The Netherlands), 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. To serve customers in the US, our professional sales and service team is located in Bethlehem, Pennsylvania, and we have representations throughout the country.

Products & Services offered

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. Examples where Bronkhorst instruments are successfully used: layer deposition and MOCVD processes, spray coating, nitrogen purge of wafer load port and FOUP systems.

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 of vapor flow control.

Online information

LinkedIn Bronkhorst
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Demcon High-Tech Systems

Demcon high-tech systems is a full-service design house for the development, realization and testing of customized complex solutions. We believe that every technical challenge has a solution, and we are committed to enabling our customers to be successful.

We serve OEMs, start-ups and scale-ups in a diverse range of industries and continue to build our track record within the fields of Semicon, Aerospace, and Photonics.

Products & Services offered

Design and realization of customized mechatronic modules & equipment.

- Front-end
  Ultra-high accuracy positioning stages, Optics & vision, Qualification tools, Layer deposition equipment, Lithography equipment, Cleanliness, Dynamics & control
- Back-end
  Advanced packaging, Bond heads, Optical components, Mold flow simulation, Sintering equipment
- Metrology & Inspection
  Optical and e-beam metrology, AFM metrology, X-ray and acoustic metrology

Online information

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Fastmicro

Fastmicro is a technology leader in advanced surface particle contamination inspection equipment. Our high-throughput, cost-efficient solutions provide contamination control at the sub-micron level, helping manufacturers reduce defectivity, failures, and yield loss.

Our product portfolio and analytics software cover a wide variety of applications and processes, including in-line inspection, portable scanners, continuous particle deposition monitoring, and scanning modules for system integration. Based in the Brainport region of the Netherlands, Fastmicro serves customers worldwide with sales and service offices in Europe, USA, Taiwan, China, and Japan. We are committed to delivering exceptional value through cutting-edge technology and dedicated customer support.

Products & Services offered

- Real-time Process Monitoring | Particle Fallout Scanner

A continuous monitoring system for particle deposition rates in ambient and vacuum environments, providing real-time insight into true surface contamination levels in critical cleanroom and tool environments.

- Product & Critical Surface Qualification | Sample Scanner

An optical inspection tool for sub-micron surface particle contamination measurement. Using tape-lift samplers, the Sample Scanner enables robust, operator-independent, and repeatable measurements on virtually any surface without cross-contamination and with high throughput.

- Substrate Inspection | Particle Defect Inspection System

A modular, direct surface particle and defect inspection system that delivers high-throughput inspection on a wide range of substrates including wafers (silicon, compound, glass), blank masks, pellicles, and pre-hybrid bonding surfaces. It offers dual-sided inspection, customizable modules, and a robust design for product qualification, process monitoring, and yield improvement.

Online information

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HQ Pack

At HQ Pack, we create to protect. We manage the full lifecycle of high-tech packaging, from design, production to reuse, covering collection, cleaning, recertification, storage, and global distribution. Our mission is to ensure your technology moves safely between locations while we take care of every step. Everything we do focuses on delivering the most reliable shipping solution in a responsible way, supporting a circular approach.

With a local presence and a global footprint, HQ Pack operates in three key regions with state-of-the-art cleanrooms that meet the strictest standards. Our headquarters is in Eindhoven, the Netherlands, with additional sites in Johor, Malaysia, Singapore, Taiwan, and the United States. In the U.S., we operate facilities in Brookfield (CT), Newark (CA), and San Diego (CA), and we're also considering Arizona. Every location applies the same techniques, materials, and quality standards, ensuring consistent performance worldwide. With in-house production, we guarantee speed, reliability, and global support.

Products & Services offered

- Tailored packaging design for high-tech and sensitive equipment
- In-house production (wood, metal, foam, plastics, dust-free covers, crates, pallets)
- Cleanroom assembly (ISO 5–7) and certified precision cleaning methods
- Global lifecycle management: collecting, cleaning, repairing, recertifying, storing, distributing
- Vendor-managed inventory (VMI) and digital client portal for tracking and insights
- Circular solutions: reusable, modular, repairable, recyclable packaging

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Itility US

Experts in Data, AI, and Cloud for Semiconductors.

We partner with leading semiconductor companies such as ASML, NXP, Ampleon, Nexperia, Smart Photonics, and Effect Photonics to turn data into business value.

Our mission: build enterprise-ready data solutions – together with you, for you – that are scalable, secure, and production-proven. With standard building blocks from Azure, AWS, Google Cloud, Databricks, and NVIDIA, we develop AI and data solutions that create real value.

With offices in San Diego, San Jose, and the Netherlands, our teams work shoulder-to-shoulder with you to speed up innovation in the semiconductor industry.

Products & Services offered

We partner with you, onsite, to build data solutions. We offer experts to work with you in results-driven DevOps teams, and we offer knowledge to tailor standardized solutions for you:

- EDA Optimizer – an AI application on top of your on-prem and cloud environment to optimally distribute and execute your EDA workloads and accelerate chip design.
- Self-Service Analytics Platform – a secure environment with all the tools needed to access and analyze trusted datasets, which can be securely shared within your engineering and business teams.
- AI Assistants – secure, in-house chatbots built on top of your own data platform, e.g., for customer support teams to find answers instantly in manuals and RCA docs.

Online information

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minds.ai

At minds.ai, we revolutionize semiconductor manufacturing with our Maestro• software suite, which leverages advanced AI and machine learning for smarter automation that lowers costs and boosts productivity. The Maestro product line has consistently proven its value through successful deployments in leading fabs globally. Our software utilizes reinforcement learning and generative AI to optimize throughput, utilization, cycle time, critical queue time, and workforce management, all while maintaining non-disruptive operations within your cloud or on-premise systems. Operating in real-time, our solutions provide quick processing time predictions for better scheduling and dispatching via the Maestro® Tool Model, continuously enhancing wafer production in dynamic fab environments.

Products & Services offered

- minds.ai Maestro® RL Scheduling™. End-to-end, automated solution to deliver dynamic, real-time fab schedules utilizing AI algorithms including reinforcement learning.
- minds.ai Maestro® Fab Model™. End-to-end, automated solution to deliver dynamic, real-time predictive AI models for fab dynamics.
- minds.ai Maestro® Tool Model™. End-to-end, automated solution to deliver dynamic, real-time predictive AI models for fab tool performance.

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NEARFIELD INSTRUMENTS

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Nearfield Instruments

With relentless 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 head-on, delivering cutting-edge, high-throughput, non-destructive, in-line probe-based metrology and inspection solutions for high-volume manufacturing. Purpose-built for the 5 nm era and beyond, our systems empower the entire semiconductor value chain—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. Designed with scalability and future-proofing at their core, our solutions give manufacturers the confidence and agility to handle ever-increasing device complexity while maintaining productivity and competitiveness in a market where every nanometer counts.

Products & Services offered

Our product portfolio includes QUADRA™, our surface metrology solution for the most advanced semiconductor nodes. QUADRA combines a groundbreaking multi-miniaturized AFM head architecture with our proprietary Feedforward Trajectory Planner (FFTP) 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.

Already 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.

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Neways Electronics

Neways is a global innovator in mission-critical technology for Semicon, Defense & mobility and Connectivity.

With more than 50 years' experience and strong engineering power, Neways is proud to act as technology innovation partner for the most demanding customers.

With a team of more than 3.000 employees in the Netherlands, Germany, USA, Malaysia, China, Czech Republic and Slovakia Neways is a technology innovation partner in developing and producing high-end electronics for renowned partners in the Semicon industry.

The innovation power of Neways is illustrated by the large group of product development engineers (more than 18% of our workforce) who offer the best in Semicon with customized design, prototyping, testing and manufacturing capabilities.

Products & Services offered

- PCBA, Box, Rack and Cabinet builds
- Custom Power Amplifiers for Stages
- Hybrid Dynamic Cables and Cable Assemblies
- (Ultra) High Vacuum Solutions
- High Cleanliness and Ultra Low Outgassing Specialist
- Lifecycle Management, incl EOL redesigns
- Circular Services for Upgrade, Repair and Refurbish

Mission-critical technology for a sustainable future

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NTS

NTS develops, manufactures, assembles, and tests complex (opto)mechatronic systems and mechanical modules that accelerate customer innovation. With over 75 years of experience, we combine in-depth expertise in high-precision manufacturing, mechatronics, optics, e-beam, additive manufacturing, complex frames & enclosures, and advanced finishing to deliver complete solutions for the high-tech industry.

Headquartered in Eindhoven, the Netherlands, NTS operates in five countries with 1,800 employees. As a first-tier development partner and contract manufacturer, we support OEMs in semiconductor and analytical markets from concept and prototyping through industrialization and volume manufacturing. By aligning closely with customers, we help reduce R&D cost, shorten time-to-market, ensure scalability and reliability, and mitigate supply chain risks. Collaboration ranges from co-development and proof of concept to full outsourcing, including ramp-up and lifecycle support while protecting our customers' IP.

Let's accelerate the future together!

Products & Services offered

Technologies

- Mechatronics
- Mechanics
- Optics
- E- & Ion-Beam
- Cleanliness and Vacuum
- Materials and Treatment

Realization

- Precision Frames and Cabinets
- Precision Components
- System Assembly
- Additive Manufacturing

Online information

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Oost NL

Oost NL is the regional development agency for East Netherlands. Oost NL contributes to an enabling environment for entrepreneurs in East Netherlands who are working on sustainable change. Entrepreneurs who dare to think and act differently. We ensure that their ideas are brought to the market. And that they can collaborate with innovative players from abroad. Oost NL, as partner in the Invest-in-Holland network, ensures international companies a 'soft landing' in the East Netherlands.

In addition, Oost NL as lead partner of GO4EXPORT, the export program, helps local SMEs in internationalization and expansion through innovation and export. Under the GO4EXPORT umbrella, various regional public and private partners closely cooperate to support SMEs from the East of the Netherlands.

Oost NL has the capacity, network, knowledge, experience and the drive to accelerate innovations.

The activities of Oost NL are financed by the provinces of Gelderland and Overijssel, and by the Ministry of Economic Affairs and Climate.

Products & Services offered

The provinces of Gelderland and Overijssel provide highly fertile ground for companies in chip technology.

Building on the Philips heritage in Nijmegen and the renowned MESA+ NanoLab in Enschede, these cities have become recognized hotspots for chip technology companies across the entire industry spectrum.

These geographic hubs are particularly strong in analog chip design and manufacturing, semiconductor capital equipment, integrated photonics, and quantum technologies. They play an essential role within the Dutch national chip ecosystem and benefit from European, national, and regional incentives. Nijmegen and Enschede are home to significant industry leaders who, surrounded by a network of specialist companies, are able to remain agile, innovative, and competitive.

The Eastern Netherlands is home to world-class brands such as: NXP, BESI, Nexperia, Ampleon, MESA+, LioniX, PhiX, Sensata, LAM research, Quix Quantum, Demcon, Teledyne Dalsa, VDL ETG, Thales.

Stefan Heinemann
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PHIX Photonics Assembly

PHIX offers assembly services and contract manufacturing for photonic integrated circuits (PICs) and MEMS. We build optoelectronic modules based on all major PIC technology platforms, such as indium phosphide, silicon photonics, silicon nitride, and planar lightwave circuit. We specialize in chip-to-chip hybrid integration, coupling to fiber arrays, and interfacing of DC and RF electrical signals. By offering our knowledge already at the chip design stage, we ensure ease of scale-up for volume manufacturing. PHIX provides a one-stop-shop for PIC and MEMS assembly, from design to volume production.

We have a state-of-the-art production facility located in Enschede, the Netherlands. PHIX Inc will offer prototyping and low-volume production from our Bozeman, MT facility starting in 2026.

Products & Services offered

We are an OEM supplier of optoelectronic modules and components in scalable manufacturing volumes. Our processes are also available for contract manufacturing, where our customers outsource or second-source production steps to us. We cover the entire value chain, from wafer dicing through OEM packaging.

- Prototype packaging
- Volume packaging
- Contract manufacturing
- Fiber arrays
- Spot-size converters
- Custom printed free-form optics

Online information

Linkedin PHIX
Capabilities Demonstration

PHIX Photonics Assembly

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PhotonDelta

PhotonDelta is an industry accelerator for integrated photonics, driving a collaborative ecosystem of more than 75 organizations that design, develop, and manufacture photonic chip technologies contributing to a better world. Headquartered in the Netherlands, PhotonDelta has mobilized over $1.5 billion to catalyze the growth of this key enabling technology, which is transforming industries ranging from datacom and quantum to healthcare, mobility, and defense. Its activities range from investments, innovation programs, workforce development, technology roadmapping, and internationalization.

With its recent expansion into the USA, PhotonDelta is strengthening transatlantic collaboration and building strategic partnerships to accelerate the adoption of integrated photonics.

Products & Services offered

- Accelerating photonic chip applications and industrialisation through subsidized innovation programs
- Facilitating International collaborations to speed up the development of PIC-based solutions
- Funding start-ups in the early phase where risks are still high
- Development of a talented workforce go bridge the gap between today and tomorrow's industry needs

Online information

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PROVINCIE FLEVOLAND

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Province of Flevoland

Flevoland is the youngest province of the Netherlands, created through land reclamation from the IJsselmeer. The provincial government manages spatial planning, nature conservation, water safety, infrastructure, and regional economic development. It works to balance sustainable growth with protecting the unique landscapes and communities of the reclaimed land.

Products & Services offered

With this trade mission to Semicon West, the Province of Flevoland aims to attract partners, strengthen its high-tech campus, and position itself in the global semiconductor ecosystem.

Area's of interest

- High-tech manufacturing & equipment – opportunities for new production technologies and automation at the campus.
- Chip design & R&D – collaboration with research institutes and companies on innovative chips.
- Sustainability & energy efficiency – energy-efficient production and green technology for the campus.
- Ecosystem & partnerships – expanding networks with companies and knowledge institutions to strengthen the semiconductor ecosystem.

Online information

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SCIL Nanoimprint

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 high throughput —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 at high precision and cost-efficiency, such as Optical I/O, AI data-center interconnects, and ultra-compact optical elements for mobile and augmented reality devices.

Products & Services offered

Our portfolio spans advanced imprint equipment, tailored optical materials, and optimized processes.

- FabSCIL – high volume, fully automated nanoimprint cluster tool for wafer sizes up to 12” (300mm)
- AutoSCIL – fully automated, highly integrated nanoimprint tool for wafer sizes up to 8” (200mm)
- LabSCIL – nanoimprint tool for R&D environments with flexibility to handle wide variety of wafer sizes and substrates

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.

Online information

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SCM

SCM develops the Amsterdam Modeling Suite (AMS), empowering semiconductor R&D with predictive atomistic and multiscale simulations. AMS helps engineers accelerate ALD, ALE, and CVD process design by reducing costly trial-and-error through virtual screening of precursors and process conditions. Researchers can model molecule–surface reactions, predict reactivity and selectivity, and optimize key properties such as vapor pressure and stability. By cutting time and resources needed to bring new materials and processes to production, AMS delivers a competitive edge for next-generation semiconductor technologies.

Products & Services offered

- Amsterdam Modeling Suite
  Powerful computational chemistry & materials software for accelerating semiconductor R&D. Model molecule–surface reactions, optimize ALD/ALE/CVD precursors and processes, and gain predictive insights to reduce costly experimentation.

- Consulting and scientific support
  Expert-driven services to jumpstart and scale your semiconductor modeling: proof-of-concepts, custom workflows, tailored training, and strategic advice on materials & process simulations.

- Collaborative Projects
  Joint innovation with SCM's experts to explore new materials, optimize processes, and deliver proof-of-value faster.

Online information

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settels savenije
group of companies

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Settels Savenije

Located at the heart of Brainport Eindhoven, and with a team of over 150 professionals, Settels Savenije serves an international customer base in Semicon, Analytics and Research. For these customers, Settels serves as an inventor, technology developer and manufacturer. We facilitate Lab-to-Fab transitions to translate a 'lab idea' into a customer- and series-ready tool. As contract research and manufacturing organization, IP is actively generated and remains the property or our respective customers.

Development & Engineering
From the start of a project, we deploy all in-house knowledge from concept and system design, parts manufacturing and assembly & test in dedicated teams. We start from a solid system architecture. We design, verify and validate every step along the way, including complex physics modelling, prototyping and proof of concept demonstration.

Supply chain & System assembly
The development and engineering activities are closely integrated with manufacturing, testing and assembly. We manufacture the proof-of-principle equipment or prototypes, and also ensure the reliable, continuous supply of machines and modules. The assembly area includes 800 m2 of ISO-6 cleanrooms, and RGA systems for products up to 2x2x1 meter.

Precision Parts
The Precision Parts department manufactures complex high accuracy metal parts for application in many crucial functions in high tech equipment. When precision manufacturing becomes challenging, we outperform.

Online information

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Sioux Technologies

Sioux stands out as a technology partner and supports Research & Development departments, with a lot of knowledge and experience in system development, mathematics, software, integration and construction of modules and systems where advanced high-tech technology makes the difference. We help our clients to be faster on the market with their developments, resource high-tech knowledge, collaborate in teams and bring experience in science and technology.

Sioux has the necessary domain- and technical knowledge for converting complex issues into scalable solutions, preferably in Semicon, Analytical or Medical device domain

Products & Services offered

- System Metrology
- System Control & Analytics
- Extreme Positioning
- Wafer Inspection
- Ultra High Vacuum & Clean
- High Voltage & High Speed
- Stage Technologies
- Advanced Packaging
- Hybrid Bonding

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TEMPRESS

TEMPRESS - DIFFUSION & LPCVD PROCESSING EQUIPMENT
Tempress' purpose is to support customers in the semiconductor, power, MEMS, photonics, 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 developing and producing diffusion & deposition equipment including the related processes is a testament to the company's flexibility, innovation, quality and dedication.

Tempress deposition and diffusion solutions are used by leading companies in the semiconductor and advanced materials industry. Applications range from wafer manufacturing to MEMS, optoelectronic chip and power semiconductor production.

Tempress' headquarters, assembly and testing facilities are located in Vaassen, The Netherlands. Customers are supported throughout the world by our highly professional direct sales, service team and partner network.

Products & Services offered

- Diffusion Furnace
- LPCVD Furnace
- Horizontal Furnace
- Vertical Furnace
- Wafer Handling automation

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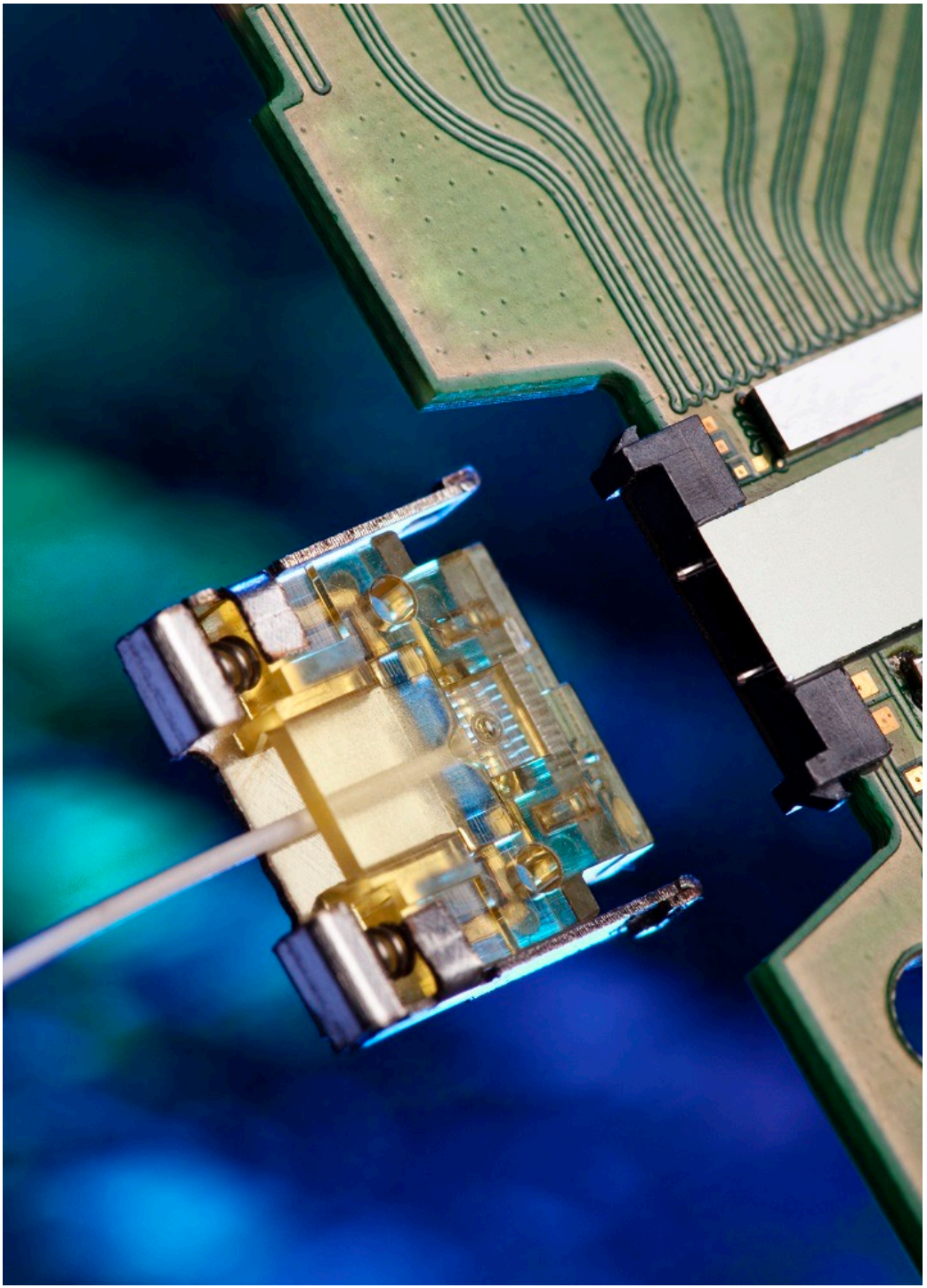

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To learn more on how The Netherlands is cooperating with its international counterparts:

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