

NEWSLETTER

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HSP Hsinchu Science Park
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About us

The Hsinchu Science Park (HSP) was initiated in 1980. Under the jurisdiction of the National Science and Technology Council, the Hsinchu Science Park Bureau (HSPB) is given the responsibility of developing, operating and managing the park.

Prospects

Providing top-tier infrastructure and comprehensive one-stop services.

Promoting industry-academia R&D collaboration.

Creating a cluster of innovative ventures in the world arena.

HSP Highlights of the Quarter

Welcome New Companies to Hsinchu Science Park

The 32nd meeting of the Science Park Investment Review Committee of the National Science and Technology Council, held on May 11, 2026, approved two projects: Mi Semiconductor Co., Ltd. and VIA NEXT Co., Ltd. Hsinchu Science Park Branch, with a total approved investment of NT\$125 million.

Mi Semiconductor Co., Ltd.

(located at the Hsinchu Science Park)

This project involves an investment of NT\$80 million, primarily for the research and development of silicon carbide MOSFETs with low on-resistance temperature coefficients.

Mi Semiconductor Co., Ltd. is a subsidiary of Mi Technovation Berhad, a Malaysian listed company. It will combine Taiwan's SiC industry, academia, and research facilities to promote high-power device technology, module applications, and talent cultivation, thereby strengthening Taiwan's competitiveness in the semiconductor field.

VIA NEXT Co., Ltd. Hsinchu Science Park Branch

(located at the Hsinchu Science Park)

This project involves an investment of NT\$45 million. Its main products include application-specific integrated circuits, general-purpose and customized silicon intellectual property (IP), ASIC-based system platform design services, and IP interface circuits for specialized IC packaging.

The company encompasses hardware and software system integration, core IP provision, advanced process layout implementation, and heterogeneous integration packaging. It emphasizes emerging application areas such as AI/HPC, Chiplet, and interface IP, covering AI computing, cloud data centers, high-performance computing, and edge intelligence systems, demonstrating high growth potential.

The 33rd Science Park Investment Review Committee meeting of the National Science and Technology Council, held on June 25, 2026, approved four projects: TriNity Analysis Tech Co., Ltd., Hanstech Advanced Materials Tongluo Science Park Branch, AuthenX Inc. Jhunan Science Park Branch, and SCREEN SPE Taiwan Hsinchu Science Park Branch, with a total approved investment of NT\$1.25 billion.

TriNity Analysis Tech Co., Ltd.

(located at the Hsinchu Science Park)

This project involves an investment of NT\$600 million. Its main products include advanced sample preparation analysis services (ASPA), electrical fault analysis services (EFA), and physical property fault analysis services (PFA), and other semiconductor related fault analysis technical services.

The company plans to build an electrical measurement and analysis platform for advanced processes at 2nm and below, specializing in high-level fault analysis services. It is the first company to focus on electrical fault analysis of advanced-process wafers, combining nano-probe technology with high-level analytical equipment to accurately locate complex wafer faults, helping customers improve the efficiency of R&D deployment, process optimization, and mass-production verification.

Hanstech Advanced Materials Co., Ltd. Tongluo Science Park Branch

(located at the Tongluo Science Park)

This project involves an investment of NT\$350 million, primarily developing an integrated platform for semiconductor-grade ESD functional materials and surface engineering.

The company focuses on developing high-value-added functional surface engineering technologies. By integrating key technologies such as ESD antistatic coatings, wear-resistant coatings, and high-uniformity thin films, it upgrades the traditional single surface treatment processing mode into a technology-driven process optimization solution, helping customers effectively improve the electrostatic protection capability, wear resistance, and overall technical

reliability of equipment components in the process environment.

AuthenX Inc. Jhunan Science Park Branch

(located at the Jhunan Science Park)

This project involves an investment of NT\$200 million. Core products include external laser source modules (ELS), fiber-optic array modules (FAU) with highly sensitive lenses, and silicon photonics-related products and application technology services.

The company's key optical component technologies for co-packaged optics (CPO) provide highly integrated solutions for forward-looking applications such as AI data centers and CPO systems.

The company will deepen connections within Taiwan's silicon photonics industry supply chain, drive upgrades in optoelectronic and semiconductor packaging technologies, cultivate high-level talent, and strengthen Taiwan's competitive advantage in the global AI application market.

SCREEN SPE Taiwan Hsinchu Science Park Branch

(located at the Hsinchu Science Park)

This project involves an investment of NT\$100 million. The main services of the company include R&D and technical services related to wafer cleaning equipment.

The company primarily engages in R&D and technical services of wafer cleaning equipment. Its products cover single-wafer, batch, and rotary brush cleaning equipment, catering to advanced process requirements from 16nm to 2nm and below 1.4nm. Its core technologies help improve yield, reduce equipment downtime risks, and enhance production line efficiency.

The company is a wholly-owned subsidiary in Taiwan of the Japanese company SCREEN Semiconductor Solutions Co., Ltd. Through its Hsinchu Science Park branch, it undertakes patent and technology licensing from its parent company, promoting local R&D, customized equipment modification, and real-time technical services, deepening cooperation with Taiwan's semiconductor industry.

Biomedical MR Navigation System Developed by AccuOrtho Co., Ltd. Pioneers a Way to Joint Surgery Towards Precision

AccuOrtho Biomedical Co., Ltd. was founded by Dr. Chang Shu-Hao and his inter-university R&D team, building on their research on a "Hip Joint Hybrid Reality Navigation System." With support from the National Science Council's SPARK Project and Research Entrepreneurship Program, the team has completed product development, regulatory verification, and business model planning, aiming to obtain medical device certification and commercialize its artificial joint surgical navigation products.

After moving to the Hsinchu Science Park, the company has benefited from the park's high resource density. From hardware manufacturing partners and consultants familiar with TFDA regulations to collaborators with market experience, all can be quickly connected within the park's ecosystem. For early-stage startups, Hsinchu Science Park not only reduces communication costs but also accelerates the establishment of trust in external collaborations.

The company has participated twice in the National Science Council's Innovation and Entrepreneurship Incentive Program (From IP to IPO, FITI), choosing Hsinchu Science Park as its mentoring park. The company was also honored with the "Outstanding Entrepreneurship Award."

Hsuan-Hao Chen, CEO of the company, shared that during the FITI program, the Hsinchu Science Park provided administrative and entrepreneurial guidance, actively matched resources, and assisted the team in exchanging ideas with experienced mentors, broadening their international perspectives and fostering collaboration. CEO Chen believes that the Hsinchu Science Park is not just a mentor, but a guide, providing different guidance at different stages to help startups avoid unnecessary detours.

AccuOrtho Co., Ltd.

Focused on developing an "MR Navigation System for Artificial Joint Surgery", the company has successfully developed an innovative product that can be applied to hip replacement surgery. It effectively solves postoperative complications caused by inaccurate placement of the acetabular cup in traditional surgery and is expected to become one of the very few independently developed artificial joint surgery navigation products in Taiwan.



■ AccuOrtho Co., Ltd. team photo



■ AccuOrtho Co., Ltd. Founder Dr. Shu-Hao Chang



■ AccuOrtho Co., Ltd. awarded FITI Entrepreneurial Excellence Award



■ AccuOrtho Co., Ltd.'s display model

Seeing Display Technology: Display Technology's Ultra-Energy-Saving LCD Film: Ushering in a New Era of Smart Displays



■ Work context of Seeing Display Technology

Dr. Chih-Ping Lu, founder of Seeing Display Technology, has long been dedicated to the research and development of optical and display technologies. Seeing giraffe stickers on shop windows in Shanghai inspired him to imagine "giraffes moving on glass." After returning to Taiwan, he and his partners assessed the market potential of smart thin films and gradually developed memory-type liquid crystal film technology at the Si-soft R&D Center, leading to the establishment of the company.

The "Ultra-Energy-Saving Memory Liquid Crystal Technology (MLC®)" can switch between transparent and opaque states, displaying text or dynamic patterns. Its biggest feature is that it can maintain the image for a long time after a short power supply, consuming only about one-three-hundredth of the power required by conventional PDLC technology. It can be applied to architectural glass, commercial windows, interior partitions, smart car windows, privacy displays, and smart cities, combining energy saving, carbon reduction, and innovative application potential.

After starting the business, the team not only faced technological research and development but also had to handle operational issues such as legal, financial, patent, marketing, and fundraising. Dr. Lu stated that the Hsinchu Science Park and the Si-soft R&D Center provided comprehensive R&D space, entrepreneurial guidance, exhibition opportunities, and media exposure to help the technical team improve its commercialization capabilities.

In 2025, the company was honored with the "Excellent Manufacturer Innovative Product Award" from the Hsinchu Science Park Bureau. Dr. Lu described the resources, guidance, and exposure provided by Hsinchu Science Park as an umbrella that sheltered the team throughout its entrepreneurial journey, allowing the team to move forward with greater peace of mind when facing market challenges. As the technology matures, the company has participated in international exhibitions in the United States and Singapore, and conducted product verification with overseas manufacturers, expanding the application of smart films in the fields of architecture, display, and automotive.

Starting from the image of a giraffe in a shop window, the company transformed the idea of "can glass move?" into a smart film product with market potential. In the future, the team will continue to promote technological upgrades and international market expansion.

Seeing Display Technology

The company has developed the "Ultra-Energy-Saving Memory Liquid Crystal Smart Thin Film Technology (MLC®)," requiring only a short period of power supply to maintain display state for up to 60 days, providing dynamic and color display possibilities for applications such as glass and smart windows. Simultaneously, the film effectively blocks solar heat and ultraviolet rays, making it suitable for energy-saving building materials.

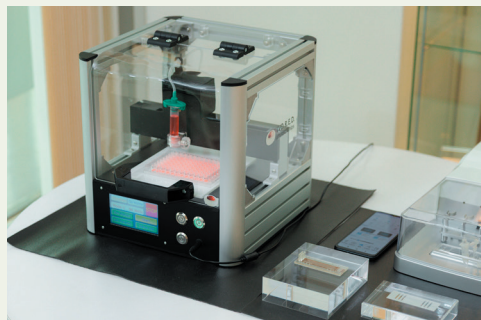


■ Displaying Seeing Display Technology's product



■ Seeing Display Technology Founder Anthony Lu, Ph.D.

From One Cell to Precision Data: IVD R.E.D. Microfluidic Chip Corp. Creates a Comprehensive Cell Research Partnership



■ IVD R.E.D. Microfluidic Chip Corp.'s display model

IVD R.E.D. Microfluidic Chip Service & Support Corporation

The company is dedicated to the development of electronic microfluidic detection chips, precision electromechanical integration, and related application systems. In recent years, the company's core development focus is the "next-generation cell R&D integration platform," building an integrated research platform covering cell sorting, dispensing, observation, and culturing.

The company's core technology originates from years of research results from the Department of Power Machinery at National Tsing Hua University. Co-founder and CEO Huang Ya-ling stated that in the early stages of their startup, the team applied microfluidics technology to disease detection, developing the "One-Drop Blood Microfluidic Chip Technology" for rapid testing with minimal blood volume. This helped medical personnel understand patients' physiological conditions earlier and laid the foundation for subsequent product development.

With the rapid development of cancer research, regenerative medicine, and exosome research, the company has extended its application perspective from "blood" to "cells," successively completing products such as "Cell Sorting Chips," "Automated Cell Quantitative Infusion System," and "ClaraChip Fluorescence Microscope Chips." In the future, a cell research platform integrating microfluidics and automated systems can reduce the burden on researchers and improve experimental efficiency and data stability.

CEO Huang pointed out that many cell therapy studies rely heavily on manual operations, such as sorting, infusion, culturing, which are time-consuming. Therefore, the team aims to create an integrated platform from sorting and infusion to observation, and has launched the "AI-Powered Intelligent Cell Culturing Analysis System," connecting key processes in cell research, allowing researchers to devote more time to the research itself.

Founded in 2018, the company initially entered the Hsinchu Biomedical Park Incubation Center and officially settled in the Hsinchu Science Park in 2021. CEO Huang said that settling in the Hsinchu Science Park was a crucial turning point for the team, marking their transition from academic research to industrial engineering. The Hsinchu Science Park's resources in semiconductors, precision manufacturing, talent, and medical research allowed the team to quickly find support in chip mass production, productization, and industry-academia collaboration.

During its growth at the Hsinchu Science Park, the team connected with biomedical industry partners and enhanced brand visibility through startup exchanges, industry matchmaking, mentorship, and product launch events. The Science Park Bureau once hosted a product launch press conference for the team at the Garage Cafe, becoming an important memory of support in its entrepreneurial journey.

Under a microscope, a single cell may be minuscule; within a microfluidic chip, the microchannels are also so fine as to be imperceptible to the naked eye. However, it is the accumulation of these tiny technologies that connects the possibilities of regenerative medicine, precision medicine, and biomedical innovation. Starting from the Hsinchu Science Park, the company will continue to improve its next-generation cell research and development integration platform, bringing more efficient tools and broader application prospects to medical research.



■ IVD R.E.D. Microfluidic Chip Corp. CEO Ally Huang (right) & Marketing Director Daniel Lai (left)



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