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Korean Exporters Continuing Their Active Drives

04

April 2026
(Issue 622)

Daeryun Industrial Co., Ltd.

is a company with talented people who put quality first.



High Static Pressure Ventilation Fan

Feature

- Supply of fresh air into indoors for the pleasant life
- Less power consumption below 40W
- Embedded damper for backdraft prevention
- Embedded anti-superheating device
- High exhaust performance in silent operation around 40dB
- Prevention of the propagation of mould and bacteria from water vapor

Use

- Ventilation for bathrooms in high-rise apartment buildings
- Creation of pleasant indoor environment through ventilation
- Ventilation for bathrooms, restrooms, smoking rooms, offices, hospitals, restaurants, conference rooms, singing rooms, cafes, etc

Injection Fan



✦ Precision Power: Advanced Cooling Technology

A proprietary cooling architecture delivers continuous, aggressive, and stable temperature control at the point of contact.

- **Temperature Flexibility:** Adjustable from 5°C to -10°C for a full range of skin types and procedures.
- **Sapphire Optical Interface:** Precision-engineered BBAR coated sapphire provides exceptional transparency (250-5000 nm), enabling high fluence laser transmission.
- **Patented Anti-Fog System:** A dedicated air-blow mechanism prevents frost and condensation, ensuring continuous treatment visibility.
- **Adaptive UI:** Smart, procedure-specific presets simplify workflow and ensure consistent cooling performance.
- **Continuous Operation:** The liquid-cooled base console provides high-capacity heat extraction for uninterrupted, stable performance.



✦ Versatility & Economic Value

The KOOLEDerm™ is engineered to be the single, versatile cooling solution for your entire clinic.

- **Platform Versatility:** Broad optical transmission allows seamless integration with diverse wavelengths and modalities.
- **One Device, Multiple Lasers:** A single cooling system supports a wide spectrum of treatments —vascular, pigment, hair removal, rejuvenation, and more.
- **Economic Value:** Boost performance, safety, and lifespan of existing laser equipment by upgrading their cooling capabilities.



Technical Specifications (Model KD-25A)

Product Name	KOOLEDerm
Model Name	KD-25A
Classification	Medical Device
Cooling System	TES & Cooled-Loop Coolant System
Power	80-264VAC, 47.63Hz, 150VA (Peak)
Weight - Base Console	6kg (Dry Weight)
Weight - Handpiece	800g
Weight - Stand (Optional)	15kg
Dimension - Base Console	300(W) x 337(L) x 175H (mm)
Dimension - With Stand	350(W) x 490(L) x 1000H (mm)



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coex



Since its founding in 1994, Daeryun Industrial Co., Ltd. has been contributing to the competitiveness of the domestic ventilation and blower industry through continuous technological development and quality improvement and has endeavored to maximize customer satisfaction.

In addition, with the goal of becoming the forefront of the domestic and overseas ventilation and blower industry, we are constantly striving to realize this.



Middle Pressure Ventilation Fan

Feature

- Realization of silent operation through noise reduction by application of dual-structured cover
- Ideal application in bathrooms and shower rooms through effective release of water vapor
- Great performance of ventilation even for high-rise buildings
- Ease of installation, and great durability
- Enhanced safety, and less power consumption

Use

- Creation of pleasant indoor environment through ventilation
- Ventilation for buildings, bathrooms, restrooms, smoking rooms, offices, conference rooms, hospitals, restaurants, cafes, etc

Plastic Fan



A Modular Dual System Combining UV Control and Filtration

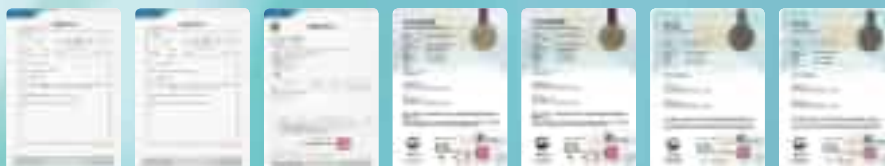
Advanced Air Sterilization Powered by Photo-Plasma Technology

An advanced air sterilization solution utilizing a photo-plasma source, delivering a remarkable dual-effect performance.

While the plasma actively sterilizes airborne viruses and bacteria, the high-efficiency filter system captures up to 100% of fine particulate matter, ensuring cleaner and safer air. Designed for versatile applications, the system can be customized for various environments—including residential spaces, hospitals, fitness centers, and animal care facilities. By simply inserting the appropriate modular unit, the device becomes instantly operational, tailored to the specific installation site.

The technology is patent-protected, combining proven performance with exceptional convenience and a minimal, refined design, both officially registered. Equipped with multi-wavelength UV technology, the system visually indicates air contamination levels.

Depending on the concentration of airborne viruses and bacteria, LED colors change dynamically, providing intuitive, real-time air quality feedback.



- Photo-Plasma UV sterilization patents • Filter-UV structure & industrial design · registrations certified
- 99.9% bacteria & virus reduction — KCL certified



A Premium Screen Golf Simulator Equipped with Four High-Speed Camera sensors

Enjoyable Screen Golf Game
with Structured Practice and Lessons



More Scientifically.

Perfect

Four high-performance camera sensors capture every shot at ultra-high speed, covering the entire play area without missing a moment.

With the industry's first four high-speed camera sensors, the SWINGPANG Quad Sensor offers a wide sensing range, allowing you to capture every shot, from high ballistic lob shots to miss shots.

Fast

Each measurement camera is equipped with an independent image-processing unit, enabling instant response with zero latency.

Each camera sensor is equipped with a dedicated image-processing unit and utilizes specialized measurement algorithms optimized for each club type, minimizing delay in post-shot measurement and data transmission to provide a responsive simulation environment that reacts the moment you hit the ball.

Accurate

Capturing high-resolution images enables the precise reproduction of a wide variety of realistic ball flights, just like in actual play.

The high-resolution image sensors can measure not only the ball's launch angle, trajectory angle, and spatial velocity but also its spin. Additionally, by detecting the club head's movement, SWINGPANG comprehensively analyzes head path, point of contact, and face angle at impact to accurately reproduce realistic ball flight just like in actual play.

Even convenient

An automatic ball-feeding system with nine-level tee height adjustment for each user, paired with a game-integrated keypad.

The tee height can be precisely adjusted in nine levels (20–60 mm) according to the user's individual settings, and using the keypad equipped with six functional buttons (tee height, aiming, swing video playback, mulligan, etc.), it provides a more convenient practice and game-rounding environment.



INA No. F326

More Systematically.



Comprehensively analyzes user performance.

With comprehensive analysis, detailed statistics, and reporting features, users can identify their weaknesses and engaged in personalized, targeted practice.

SWINGPANG provides not only ball-flight analysis, but also a variety of data for each club, allowing users to assess their performance at a glance, identify strengths and weaknesses, and focus on targeted practice to improve their scores efficiently.

Review user performance online, anytime, anywhere.

Users can quickly log in with a SWINGPANG membership card and check their ball-flight data anytime, anywhere on the website or mobile app.

By simply logging in with a membership card and starting practice, all the user data is automatically uploaded to the SWINGPANG server. Users can access their swing videos, ball-flight data, and various statistics anytime, anywhere on the website or smartphone app.

Run your business smartly with a SWINGPANG kiosk.

Unmanned IoT solution available applicable

- Can operate unmanned without an on-site manager
- Allows control of booths, lighting, HVAC, and projector power
- Integrated credit card payment functionality via the kiosk
- Member management, locker management, pro management, and point management
- Monitor and control booths at remote locations via the Internet

More Fun.

Practice Mode

Providing a variety of short-game complexes for different situations, in addition to the driving range

Game Mode

A vivid screen golf experience with top-of-the-line high-resolution graphics

Course Practice

Enhance real-game skills by practicing with target distances set for various situations on actual courses

Level Tests

By targeting weaknesses identified in tests for each scoring category, users can practice more effectively.

Analysis Mode

Compare swing with a pro, analyze and correct posture using a drawing tool, and use 360-degree ball-flight analysis for full adjustment.

Online Integration

Receive swing videos, ball-flight data, and practice progress in real time through the website and app, presented as charted reports, allowing you to practice more systematically.



INQ No. F326

“Beyond All X-ray Imaging Solutions!”



Radiography System
DM-series



Mobile X-ray
DM-525MR



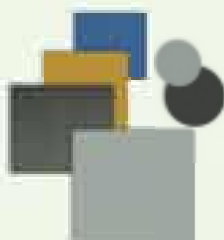
Mobile X-ray
DIG-1100,M



Portable X-ray Unit
DIG-Series



C-arm surgical
XENO-360



Unique Technology of X-ray Grids

Perfect uniformity of lead septa.
Hiline grid up to 230LPI for C-RM, mammo.
No moire (trace of grid pattern) on the X-ray image.
Higher transmission of X-ray.

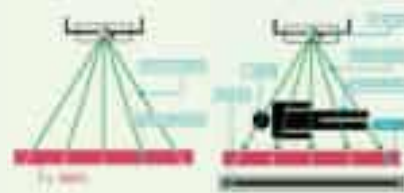
Specifications

line/Cm	line/Inch	Ratio(1:x)	F.D(cm)
40	103	6,8,10,12,14	80-200
52	132	6,8,10,12,14	80-200
60	152	6,8,10,12,14	80-200
70	178	6,8,10,12,14	80-200
80	200	6,8,10,12,14	80-200
85	215	6,8,10,12,14	80-200
90	230	6,8,10,12,14	80-200

Physical Characteristics

Line	TP(±10%)	B(±10%)	K(±10%)	S(±10%)
40(103)	69	4.1	2.9	2.9
52(132)	68	5.1	2.7	2.7
60(152)	67	3.9	2.6	2.6
70(178)	67	3.8	2.5	2.5
80(200)	74	3.2	2.3	2.3
85(215)	72	3.1	2.2	2.2
90(230)	69	3.7	2.6	2.6

Working principles & Structure





Complete AI-Based Treatment Process for Musculoskeletal Diseases / Page 23



AI-Based Medical Imaging Solutions / Page 28



Digital Therapeutic Device for Improving Nicotine-Use Disorders / Page 34



Homecare Devices / Page 38

14

Industry News

22

Cover Story

- A Selection of Recommendable Items

38

Company to Watch

- WON MEDCO

42

Industry Trends

- K-Culture

48

Trade News

50

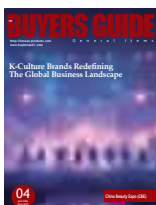
Tourist Attractions

55

Advertisers' Index

Korea Buyers Guide Published!

In addition to Electronics, we also published two other trade magazines - Korea Buyers Guide (General Items) and Machinery & Automotives - in April.



Korea Buyers Guide (General Items)

Industry News
New & Hot
Cover Story
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Machinery & Automotives

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Prepare the Future of
Better Technology

MSW
SUNGJIN TECH



GREETINGS

SUNGJIN Tech continuously has been working on the research and development of innovative quality and technology for customer satisfaction and investing since its inception in 2004, in consequence we are at the head of semiconductor market. SUNGJIN Tech promises to further become the enterprise to contribute its service created to the society, growing with our partners.



Production of semiconductor precision machining product

CAD/CAM system
Research & Development
Strict quality control



Precision production by CAD/CAM system

The 1st plant MCT system
The 2nd plant injector system
The 3rd floor, office



Producing high quality products with professional equipment

Rubber injection machine
CMM, MCT, Grinder

MANAGEMENT PHILOSOPHY

- 1 Pursuit of client's and member's Happiness through human and technology**
- 2 Creation of the constant value with Challenge and Passion**



MSW SUNGJIN TECH PRODUCTS

EJECTOR CAP & BLOCK



PICK UP TOOL



PRECISION MACHINING



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LG Display's OLED Panels Prove Technical Prowess in China

First supply for TCL's monitors
Targeting gaming and premium markets
Realizing 4K high-resolution

Korean display companies are stepping up efforts to target the Chinese organic light-emitting diode (OLED) market as Chinese home appliance companies rapidly transition from liquid crystal display (LCD) monitors to premium OLED monitors.

According to industry sources, TCL recently launched its first OLED monitor, the 32X3A OLED monitor, adopting the latest OLED panel from LG Display.

This product delivers 4K high-resolution, and a refresh rate of 240Hz through an LG Display OLED panel. It also features a dynamic frequency and resolution (DFR) function that allows the monitor to switch to 1080p at up to 480Hz, especially to meet demand from e-Sports gamers. The technology can currently be implemented only through LG Display's OLED panels. TCL is said to have selected the panel for its first OLED monitor because of this feature. TCL is a strong player in the TV market but a relative newcomer in monitors.

Chinese panel makers, including TCL China Star (CSOT), Everdisplay (EDO) and BOE, have yet to match Korean companies in the latter's mass-production scale and performance of OLED panels.

OLED panels produced by TCL China Star are reportedly

currently used only in smartphones and smartwatches. As Chinese companies have yet to master mass-production of large OLED panels used in TVs and monitors, they have no choice but to still rely on Korean-made panels.



TCL's decision to advance into the premium monitor market by launching its first LED monitor after focusing only on LCD so far reflects the rapid growth of the related industry in China. According to global market tracker Omdia, China accounted for a quarter (24.1%) of global monitor shipments last year, surpassing North America at 22.3% to become the world's largest monitor market.



K-Battery Wins KRW Trillions of Orders

Samsung SDI to supply ESS batteries to the USA

POSCO Future M secures a large contract on anode materials

The domestic battery industry is showing signs of recovery, following major supply contracts clinched by Samsung SDI and POSCO Future M. It is assessed that the continued securing of orders worth over KRW 1 trillion in each of the battery cell and core materials sectors is creating a positive atmosphere throughout the industry.

Samsung SDI announced that its North America subsidiary, Samsung SDI America (SDIA) signed a contract worth about KRW 1.5 trillion to supply batteries for energy storage systems (ESS) to a U.S. energy company. The contract will run from this year until 2029, with supplies delivered in phases.

The batteries supplied under the deal will be produced at the factory of StarPlus Energy, a joint venture between Samsung SDI and Stellantis, located in Indiana, USA. The company plans to supply nickel-cobalt-aluminum (NCA) and lithium iron phosphate (LFP) batteries one after another.



POSCO Future M also announced that it has signed a long-term supply contract worth about KRW 1.01 trillion with a global automaker for synthetic graphite anode materials. The contract period is five years from 2027 to 2032, and can be extended by mutual agreement.



The industry speculates that the counterparty for the contract is electric vehicle manufacturer Tesla. POSCO Future M signed another deal with Tesla in last October to supply natural graphite anode materials worth about KRW 671 billion for four years starting in 2027. Including the latest supply volume, the total value of graphite anode materials the company is expected to supply to Tesla could reach as high as KRW 4 trillion, the largest order since the company has entered the anode materials business in 2011.

SK Hynix to Accelerate HBM Production

Decided to introduce ASML's EUV scanners

Actively responding to demand for AI memory

SK Hynix is speeding up its memory semiconductor production capacity by introducing extreme ultraviolet (EUV) equipment worth KRW 12 trillion. The EUV used for the production of advanced DRAM, is expected to be deployed in key lines, including the semiconductor cluster currently under construction in Yongin, Gyeonggi-do, and is also expected to accelerate the transition to SK Hynix's advanced 6th-generation (1c) process.



The company recently disclosed that it had decided to acquire EUV scanners from ASML, a Dutch equipment manufacturer. The total acquisition cost is approximately KRW 11.9496 trillion, equivalent to 9.97% of its total assets as of the end of 2024. The procurement will take place over approximately two years through December next year and includes installation and modification costs.

Although the company did not disclose the exact number of EUV units it is introducing, industry estimates suggest it may acquire more than 20 machines, given that each unit costs between KRW 300 billion and KRW 500 billion. With

around 20 EUV systems already in operation, it more than doubles its EUV line.

The EUV to be introduced in large quantities this time will be deployed at Cheongju M15X plant, while a significant portion is also expected to be allocated to the first fab (Y1) at the Yongin cluster, scheduled to begin operations next year. The rapid introduction of EUV is intended to expand production capacity across the entire Yongin cluster, where wafer production is expected to increase to between 380,000 and 400,000 wafers per month in the future.

According to SK Hynix, the investment is aimed at addressing growing demand for AI memory including HBM, and expanding demand for general-purpose DRAM. The company is trying to expand its production capacity to stabilize supply following the increasing demand for general-purpose memory in the front industry including servers and mobile.



Hyosung Heavy Industries Wins Contract for Australian ESS Project

Securing an ESS design-construction contract worth approximately KRW 140 billion

Sales in North and Central America last year exceeded KRW 1 trillion for the first time

Hyosung Heavy Industries has secured a battery energy storage system (BESS) contract worth KRW 140 billion in Australia, thereby broadening its business prospects. The company established a presence in the United States and Europe, making over KRW 1 trillion in sales in the North and Central American markets. Following this achievement, it plans to actively seek out new markets, including Australia.



Hyosung Heavy Industries announced that it recently signed a KRW 142.5 billion contract with Tangkam BESS Pty. Ltd. for the design, procurement, and construction of energy storage systems (ESS) in Australia. The project involves building a 100MW/200MWh battery-based ESS in the Tangkam region of Queensland, Australia, with commercial operation targeted at the end of 2027. The company will handle the installation and test-drive, and the maintenance contract will be signed separately.

This marks the first time Hyosung Heavy Industries has supplied an ESS to Australia. The Australian government is implementing a policy to expand ESS aimed at stabilizing

the power grid, investing a budget of AUD 20 billion (approximately KRW 20 trillion) to increase its renewable energy generation ratio to 82% by 2030.

Hyosung Heavy Industries believes that this new supply project will be a key solution for the Australian power grid, and plans to show its integrated system-control technology through its own battery management system software.

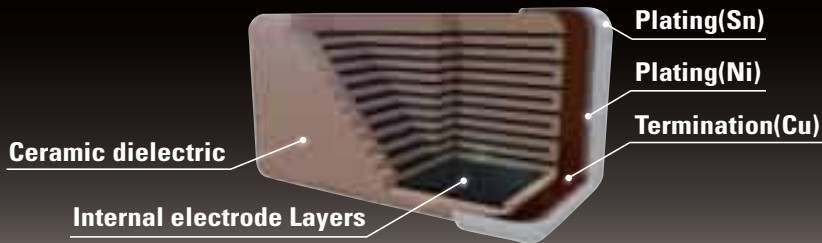
The company also plans to expand full-scale into global markets. It proved its competitiveness among leading global competitors last year, when its heavy-industry division achieved sales of KRW 1.1123 trillion in the North American market for the first time since its founding. Last month, the company secured a KRW 787 billion contract in the United States for the supply of power equipment, which is the largest in the company's history, and a KRW 29 billion long-term supply contract for ultra-high voltage transformers in Finland.





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We produce customized products to meet customer demands using our in-house developed formulations.



Securing R&D design Technology

We have acquired technologies in Open Mode, Floating Mode, and Soft Termination.



Manufacturing Technology

Avatec's manufacturing process combined with our sister company's equipment technology has enabled us to self-produce core manufacturing equipment.



Internalization of All Process Equipment

We have internalized all process Equipment, ensuring that all our products are manufacturing domestically.



Leading Quality Assurance in the Industry

We strive for zero-defect quality Assurance by utilizing ultrasonic Technology.



Various Certification Acquired

Completion of AEC-Q200 certifications for automotive products. ISO 9001/14001, IATF 16949, RoHS Reach certification.



Automotive



AI & Semiconductor



Industrial



IT & Network



https://mlcc.co.kr/

Specification

Size(mm)	Rated Voltage (V)	Capacitance (Cap.)	Tolerance	TCC (Temp. Coefficient)	Termination	Features
0603~3225	6.3~1,000	100pF~100μF	±0.1pF, ±5%, ±10%, ±20%	COG, X5R, X6S, X7R, X8R, X8L	Standard, Open Mode Floating Mode, Soft Termination	High-current, high-voltage, automotive and Industrial

Line up

• X7R / X7S / X7T Series

Size	0603	1005	1608	2012	3216	3225
150pF						
600pF						
1nF						
1.2nF						
1.5nF						
2.2nF						
2.7nF						
3.3nF						
3.9nF						
4.7nF						
5.6nF						
10nF						
15nF						
18nF						
22nF						
33nF						
47nF						
68nF						
100nF						
220nF						
470nF						
1μF						
2.2μF						
4.7μF						
10μF						
22μF						
47μF						
100μF						

• COG / X8R Series

Size	1005	1608	2012	3216	3225
100pF					
220pF					
330pF					
470pF					
1nF					
2.2nF					
3.9nF					
4.7nF					
10nF					
22nF					
24nF					
39nF					
39nF					
100nF					
220nF					

• X5R / X6S Series

Size	0603	1005	1608	2012	3216	3225
2.2nF						
10nF						
22nF						
47nF						
100nF						
220nF						
470nF						
1μF						
2.2μF						
3.9μF						
4.7μF						
10μF						
20μF						
22μF						
47μF						
100μF						

• X8L Series

Size	1005	1608	2012	3216	3225
100pF					
600pF					
1nF					
1.2nF					
1.5nF					
2.2nF					
2.7nF					
3.3nF					
3.9nF					
4.7nF					
6.8nF					
10nF					
15nF					
18nF					
22nF					
33nF					
47nF					
68nF					
100nF					
220nF					
470nF					
1μF					
2.2μF					
4.7μF					
10μF					
22μF					
47μF					



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INQ No. F322

MicellCMC®

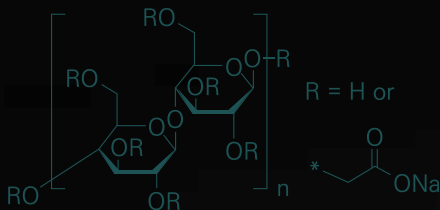
MICELLECMC® is a brand of CMC (Carboxymethyl cellulose) produced by GLChem Co., which adds water solubility by replacing the hydroxy group (-OH) of cellulose with a hydrophilic sodium carboxymethyl group (-CH₂COONa) / Lithium carboxymethyl group (-CH₂COOLi) and shows hygroscopicity like general water-soluble polymers.

GLChem Co., Ltd. manufactures MICELLECMC® by refining and processing various types of CMC products according to the specifications of the demand company according to the physical properties and applications such as viscosity, substitution, and purity.

It has succeeded in developing high purity products for secondary batteries and is supplying them to large domestic and overseas electric vehicle battery companies.

CMC Characteristics

CMC is an abbreviation of carboxymethyl cellulose. It is a white, creamy white granular or fibrous powder, soluble in water, odorless, chemically stable, and harmless to the human body. CMC is a food, pharmaceutical, cosmetic or industrial additive that is widely used for thickening, stabilizing, dispersing, bonding, repairing, lubricating, glossing, and extender applications.



Na-CMC
[Sodium carboxymethyl cellulose]



High purity CMC-Na

CMC as a binder for secondary batteries is required to have a higher purity than general CMC, the insoluble microgel part among the particle components should be minimized, and the degree of substitution and the particle size of the powder should also be optimized for the intended application. GLChem Co., Ltd. has a lineup of high-purity CMC products for batteries using its own particle size control technology.



Cellulose

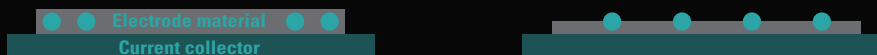


Synthesis,
Refining,
Classification



MICELLCMC®

MICELLCMC®'s CMC for secondary batteries undergoes a differentiated purification process compared to general CMC to control metal impurities to suppress electrochemical side reactions, and to shorten electrode process time by improving solubility through powder particle size distribution control.



- Among medium and large-sized lithium secondary batteries, an electrode plate is designed to be thin for high output power.
- Undissolved microgels are exposed to the surface of the thin electrode plate, resulting in surface irregularities. Problems such as an increase in electrical resistance



- A slurry screening process is required before application of the electrode plate to solve the surface defect of the electrode plate, and even in the screening process, a plurality of microgels degrade transmittance and transmittance, thereby adversely affecting productivity.



Minimize microgels by improving solubility of cmc powder



Korea's Exports Continue Growth

Recording trade surplus of \$4.28 billion in March

Korea's exports in March continued their growth trend for the sixth consecutive month despite a decrease in the number of working days, marking the tenth consecutive month of trade surplus. Semiconductor exports, the country's largest export item, drove this growth by achieving their highest performance in 24 months.

According to the nation's Ministry of Trade, Industry and Energy, exports in March totaled \$56.56 billion, a 3.1% increase year-on-year, while imports recorded \$52.28 billion, a 12.3% decrease over the same period. Consequently, the trade balance — exports minus imports — reached \$4.28 billion, marking a streak of surpluses for the tenth consecutive month.

March exports were very positive, increasing compared to the previous year despite a 1.5 working days decrease (two-day on weekdays). Average daily exports, adjusted for working days, also recorded \$2.51 billion — a 9.9% increase from the previous year.

This trade surplus was the result of increased exports in seven of the 15 major export items. In particular, IT items (semiconductors, displays, computers, and wireless communication devices) led the nation's exports by recording positive growth for the first time in 24 months since March 2022.



Exports of semiconductors, the largest export item, reached \$11.7 billion in March — marking the highest performance in 24 months since March 2022 (\$13.1 billion) and continuing a positive trend for five consecutive months.

Exports of displays increased by 16.2% year-on-year, showing an upward trend for eight consecutive months, while computer SSDs rose by 24.5%, marking three consecutive

months of growth.

Meanwhile, exports of ships surged by a massive 102.1%, continuing their positive trend for eight consecutive months. Exports of biohealth products also rose by 10.0%, marking five consecutive months of growth. In addition, exports of petroleum products also turned positive after just one month.

Movements toward Releasing Attractive New Items Continuing

Korean companies are continuously developing and launching new products. Striving to achieve their export performance goals for this year, steady efforts are being continued to strategically engage in research and development and market development.



Silla Systems' flagship product, Pine-DX, is a multi-skeletal disorder diagnostic-support and integrated-analysis software solution. The system is designed to allow modular or integrated use, depending on the needs of medical institutions and screening centers.

Key functions include scoliosis analysis (Cobb's angle and Nash-Moe analysis), bone-age assessment, ankle instability and knee ligament injury analysis, and flatfoot measurement.

VIV Health's VIV™ Ring is a titanium smart ring equipped with a high-precision PPG sensor and AI-based biosignal-processing algorithms, designed for 24-hour continuous monitoring.

It measures and analyzes key biosignals and activity data, including heart rate, blood oxygen saturation, and step count — while also tracking sleep, stress, heart-rate variability (HRV),



and exercise data in an integrated manner. Through AI analysis, the device classifies user types and provides personalized health insights.

Complete AI-Based Treatment Process for Musculoskeletal Diseases

[INQ. NO. 2604E01] CONNECTEVE Co., Ltd. is a medical artificial intelligence (AI) company that digitally connects the entire treatment process of musculoskeletal diseases — from diagnosis, to surgery, and post-operative management — based on AI technology.

By combining more than 100,000 high-quality proprietary medical data cases with deep learning technology, CONNECTEVE has introduced CONNEVO KOA, CONNEVO Metric, and CONNEVO Suite. Recently, the company obtained European CE MDR certification and conducted PoC projects in the Middle East, demonstrating its technological capabilities in the global market and continuing its growth trajectory.



CONNECTEVE is expanding its clinical references centered on major tertiary hospitals in Korea. To implement its solutions, the company collaborates with Seoul National University Hospital, Chung-Ang University Hospital, Wonju Medical Center, Uijeongbu St. Mary's Hospital, and CHA Bundang Medical Center.

An increasing number of adoption and demo requests are being received from secondary-level medical institutions. Overseas, active PoC projects are underway at Burjeel Hospital in the UAE and Tzu Chi Hospital in Indonesia, while clinical collaborations are being prepared with hospitals in advanced medical markets such as the United States, Japan, Singapore, Germany, and Belgium. This global network serves as a foundation for CONNECTEVE's AI solutions to establish themselves as internationally recognized clinical tools.

CONNECTEVE's CONNEVO Metric automatically measures lower-limb alignment and angular data, enabling data-based comparison of pre- and post-surgical changes. CONNEVO Suite integrates these diagnostic data and provides an environment optimized for clinical workflow,

improving hospital operational efficiency. A key strength is its ability to reduce variability that may arise from manual measurement processes, and enable explanations based on objective numerical values.



CONNECTEVE has designated the Middle East (UAE), Southeast Asia (Indonesia and Singapore), and Europe (Germany and Belgium) as its key target markets. In the Middle East and Southeast Asia, where medical infrastructure modernization is rapidly progressing, demand for AI solutions that improve clinical efficiency is increasing. In Europe, the company is pursuing full-scale market entry based on CE MDR certification. Building on collaboration cases with regional flagship hospitals, CONNECTEVE plans to expand partnerships with global hospital chains and distribution partners.

Moving forward, CONNECTEVE will continue participating in major medical exhibitions and academic conferences in North America, Europe, and Asia to strengthen its global network — while implementing localization strategies tailored to each country's medical environment. With the goal of achieving orthopedic digital transformation that connects diagnosis to surgery, the company plans to expand R&D investment and advance as a global medical AI company providing a data-driven treatment environment for both physicians and patients.

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Digital Medical & Health Support Devices

[INQ. NO. 2604E02] VIV Health is a startup developing wearable digital healthcare devices, offering personalized health-management solutions based on biosignal processing algorithms and AI-driven analytics.

The company has advanced its core technologies in collaboration with Professor Wonseok Jang (CSO) — formerly of Samsung Medison and Siemens Medical R&D, and currently a professor in the Department of Medical Device Industry at Yonsei University College of Medicine.

VIV Health is continuing its research and development activities at the Seoul Biohub.

within the Samsung Health app, VIV Health completed registration for the smart ring hardware itself, thereby establishing a differentiated position in the hardware-based wearable market.

The VIV™ Ring is a titanium smart ring equipped with a high-precision PPG sensor and AI-based biosignal processing algorithms, designed for 24-hour continuous monitoring. It measures and analyzes key biosignals and activity data, including heart rate, blood oxygen saturation, and step count — while also tracking sleep, stress, heart rate variability (HRV), and exercise data in an integrated manner. Through

AI analysis, the device classifies user types and provides personalized health insights.

In addition, it includes a sleep-inducing sound feature aimed at improving the sleep environment, moving beyond simple measurement toward a preventive, lifestyle improvement-focused health management model. Users can automatically measure biosignals simply by wearing the device without manual operation, and receive alerts when abnormal signs are detected. Real-time measurement functions are also available when immediate status confirmation is needed.



On February 5, 2026, the main functions of VIV Health's smart ring, VIV™ Ring, were officially registered under the Ministry of Food and Drug Safety's 'Digital Medical & Health Support Device' framework. This marks the first case in Korea of a wearable device — specifically in smart ring form — being registered under this system. The registration is significant in that the device's intended purpose and functions have been formally recognized within the institutional regulatory framework established under Korea's Digital Medical Products Act implemented last year.

Following Samsung Electronics' prior registration of heart rate, blood oxygen saturation, and step-counting functions

VIV Health is targeting both B2C and B2B markets through a scalable revenue model that combines hardware with subscription-based (SaaS) services. In Korea, the company is pursuing collaborations with healthcare platform providers, major insurance companies, and construction firms. Overseas, it is expanding OEM agreements across the United States, the Middle East, Europe, Asia, and Latin America, pursuing a diversified global market strategy rather than focusing on a single country.

VIV Health's last participation in KIMES 2026 served as a strategic entry point for expanding into the domestic market following MFDS registration. At the exhibition, VIV Health

A Selection of Recommendable Items

plans to directly introduce to medical professionals and industry stakeholders the upgraded UX/UI and the smart ring's suitability and practical applications for measuring and analyzing biosignals to support medical care and maintain or enhance health.

VIV Health highlights the fact that many chronic conditions — such as obesity, dyslipidemia, diabetes, depression, and sleep disorders — are closely related to lifestyle habits. Given that daily management is critical, 24-hour monitoring through wearable devices can establish a

new standard for preventive health management.

Through its smart ring, VIV Health aims to build a data-driven health management ecosystem and grow as a company that advances preventive, lifestyle-centered care models within the wearable digital healthcare sector.

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Patch-Type Wearable EEG Sleep Monitoring System

[INQ. NO. 2604E03] Slowave Inc. is a digital neuro-healthcare company that supports clinical decision-making through patch-type wearable electroencephalogram (EEG) sensor technology and advanced signal analysis algorithms.



Slowave has independently developed lightweight, wireless wearable EEG devices and precision signal processing technology, and continues to conduct research and development aimed at acquiring quantitative brain-signal data applicable to various neuropsychiatric conditions, including sleep disorders, delirium, and ADHD.

Slowave is further advancing its brain-signal analysis capabilities into clinically applicable diagnostic support systems. In the future, the company plans to integrate neuromodulation technologies to link analysis and treatment, expanding into precision neuro-medicine systems. Through this approach, Slowave aims to grow as a neurotech company contributing to the establishment of data-

driven neurological disease-management environments.

Slowave has completed international CB certification and GMP certification for its proprietary patch-type wearable EEG hardware, securing medical device-level technical

reliability and manufacturing quality-management standards. Based on this foundation, the company has commercialized its lightweight, wireless brainwave monitoring system, SLOWAVE 1.0 — providing quantitative EEG data that clinicians can reference during patient consultations and expanding its potential for clinical application.

Slowave is also engaged in international research collaboration. Slowave is

conducting joint research on EEG-based delirium analysis with the University of Michigan Medical School in the United States and is expanding its clinical research network in the U.S. market. In addition, the company plans to participate in



A Selection of Recommendable Items

the SLEEP 2026 conference and exhibition to be held in Baltimore, USA — in order to validate its technology in North America and broaden global partnerships.



'SLOWAVE 1.0' is a Class II medical device certified by Korea's Ministry of Food and Drug Safety (MFDS). It is a wireless, wearable EEG-based sleep monitoring system developed to complement the limitations of conventional hospital-based testing environments. By applying a patch-type electrode structure, it reduces the inconvenience of multi-channel electrode attachment and dependence on large diagnostic equipment. Once prescribed, patients can conduct sleep measurements at home or in other convenient environments, and clinicians review the analyzed results during consultations. This model enhances the traditional single-session, hospital-based testing structure by enabling repeated and continuous brainwave monitoring.

Notably, Slowave utilizes its proprietary Phase Information Analysis (PIA) algorithm to perform precise EEG signal analysis. The system aims to provide quantitative data applicable not only to sleep disorder evaluation but also to neuropsychiatric conditions such as delirium and ADHD.

Slowave has identified the United States and Japan as its primary target markets. The United States is experiencing rapid growth in digital health and neurotechnology sectors, with increasing demand for data-driven assessment of sleep disorders and neuropsychiatric conditions. Building on its research collaboration with the University of Michigan Medical School, Slowave plans to expand partnerships with major university hospitals and sleep medicine institutions for

joint research and clinical applications.

Japan, a country facing rapid population aging, is also seeing increased demand for delirium and sleep disorder

management. Slowave plans to secure clinical data through joint research with local university hospitals and research institutions and pursue market entry in collaboration with Japanese medical device companies.

As part of its U.S. expansion strategy, Slowave plans to participate in SLEEP 2026 and HLTH exhibitions to strengthen its network with sleep medicine researchers and clinicians, while exploring partnership opportunities with global

digital health companies and investors. Through a phased global partnership strategy, the company aims to expand its presence in the digital neuro-healthcare sector.

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AI-Based Medical Imaging Solutions

[INQ. NO. 2604E04] Silla Systems Co., Ltd., founded in 2005, is a software- and AI-based medical device solution company that has expanded into the digital healthcare sector by balancing its legacy software development capabilities with advanced medical artificial-intelligence technologies.

AIVis-Q

AI-Powered
Abdominal CT Segmentation and
Volume Analysis Solution



Since 2010, Silla Systems has steadily secured technologies and patents related to medical image analysis. Based on this foundation, it has developed and is commercializing AI-powered medical imaging solutions including its Pine-DX, Walnut-DX, and AIVis-Q.

In 2024, Silla Systems obtained K-GMP certification and medical device manufacturing certification for Pine-DXC (PDC-01), establishing a compliant medical-device manufacturing and quality management system.

Silla Systems is actively conducting product validation and refining service models in collaboration with major domestic hospitals and mass-screening institutions, while gradually expanding real-world applications through research-oriented deployments.

For overseas expansion, Silla Systems has acquired ISO 13485 certification and

completed Class-B medical-device registration in Vietnam, as well as medical-device distribution approval in Indonesia. Building on these milestones, the company began exporting products to a Vietnamese distributor in 2025, laying the groundwork for international market entry.

Through participation in overseas exhibitions and partner development activities, Silla Systems has signed MOUs with approximately 10 companies and is in discussions with over 30 buyers regarding potential collaboration models.

Multi-skeletal Disorder Diagnostic Support & Integrated Analysis Software

Silla Systems' flagship product, Pine-DX, is a multi-skeletal disorder diagnostic-support and integrated-analysis software solution. The system is designed to allow modular or integrated use, depending on the needs of medical institutions and screening centers. Key functions include scoliosis analysis (Cobb's angle and Nash-Moe analysis), bone-age assessment, ankle instability and knee ligament injury analysis, and flatfoot measurement.

The solution is designed to generate multiple analytical results from a single image, thereby enhancing diagnostic efficiency and providing clinically

Pine-DX

AI-Powered
Scoliosis Diagnostic Support and
Growth Management System



A Selection of Recommendable Items

relevant data during the consultation process. Performance metrics include vertebral recognition accuracy measured by the mean Average Precision (mAP) of 97%, Cobb's angle diagnostic accuracy of 95.74%, average analysis time of approximately 1.09 seconds, and mean absolute error (MAE) of 0.67 years in hand bone-age assessment.

AI-based Brain-Tumor Detection & Clinical-Decision Support System

Another core solution, Walnut-DX, is an AI-based brain-tumor detection and clinical-decision support system. It analyzes brain imaging data and provides quantitative insights to assist physicians during the diagnostic process.

Silla Systems views 2026 as a pivotal year for expanding its global footprint and has identified Vietnam as its primary overseas target market. Vietnam's growing economy, increasing healthcare expenditure, and reliance on imported medical devices — approximately 90% of the market — present strong growth potential for digital healthcare solutions. Additionally, the Vietnamese government's push to adopt digital medical technologies further strengthens market demand.

Silla Systems is currently in discussions with GH Vietnam, a local medical-device distributor, and Ibone Fiso, a medical device company operated by orthopedic specialists, regarding product-introduction and pricing strategies. These efforts are aimed at taking advantage of opportunities to supply products to local hospitals and medical institutions.

To further expand internationally, Silla Systems is pursuing regulatory approvals in additional countries including Thailand and Uzbekistan. It also aims to secure approvals for expanded product lineups by the first half of 2026.

Silla Systems is strengthening its overseas exhibition strategy, with planned participation in K-Med Expo Vietnam 2026, Indonesia HOSPITAL EXPO 2026, and Uzbekistan UZMEDEXPO 2026. Through these events, Silla Systems intends to identify local partners, conduct product demonstrations, and refine solutions in line with market needs.

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Walnut-DX

AI-Powered
Brain Tumor Detection and
Clinical Decision Support Solution



AI-based Software as a Medical Device

[INQ. NO. 2604E05] a.cure Co., Ltd. is a digital healthcare company developing AI models that predict disease risk based on voice analysis. Established in June 2024 by a team with experience in developing Korea's first digital therapeutic device, Somzz, the company is currently advancing by developing AI-based Software as a Medical Device (SaMD), Heart to Voice, designed to analyze the voices of heart-failure patients and high-risk groups. The solution aims to detect early warning signs, prevent emergency events, and reduce hospital readmissions.

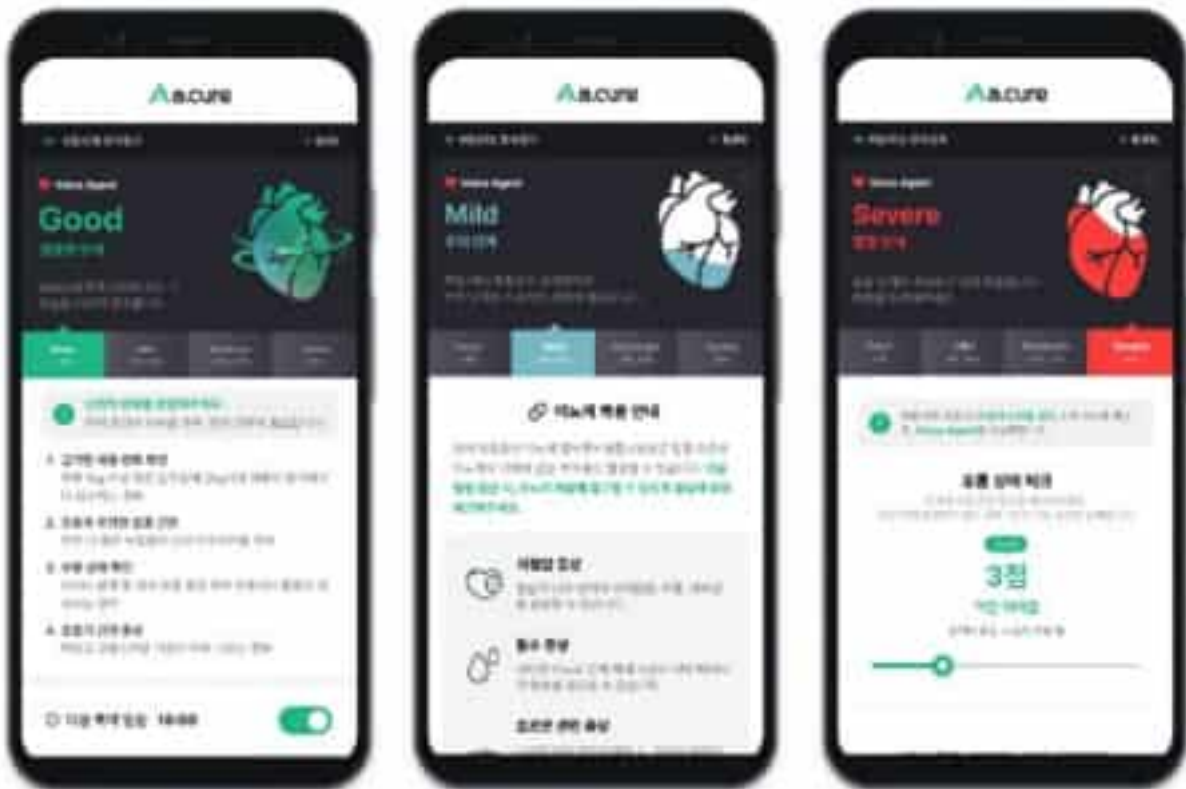
Rather than focusing on a single product, a.cure is building a comprehensive digital medical ecosystem that spans early screening → diagnostic support → post-discharge monitoring. In the long term, the company plans to integrate traditional pharmacological treatments such as diuretics, smartphones, and mobility services to create cross-industry healthcare synergy.

a.cure is currently conducting exploratory clinical trials to further refine Heart to Voice. In the first half of this year,

a.cure is advancing with the development of a 90-day prescription-based monitoring AI SaMD for heart failure patients following hospital discharge. In the second half of the year, the company aims to apply for approval through the Korean Ministry of Food and Drug Safety's Integrated Review Program for Innovative Medical Devices.

Global expansion efforts are also underway. In the first half of the year, a.cure plans to conduct Proof-of-Concept (PoC) projects in collaboration with Medstown in India and PMK Group in Singapore, integrating Heart to Voice into local chronic-disease management platforms. In the second half of 2026, the company intends to apply for the U.S. FDA Breakthrough Devices Program (BDP).

a.cure recently unveiled its 90-day prescription monitoring AI SaMD for post-discharge heart failure patients, and is currently seeking domestic and international distribution and sales partners. The company will conduct product demonstrations and technical briefings targeting pharmaceutical companies, diagnostic firms, and digital



A Selection of Recommendable Items

health platform operators, while exploring strategic collaborations for overseas PoCs and commercialization.

Digital Cardiopulmonary Product

Heart to Voice is a digital medical product that analyzes approximately 10 seconds of speech using only a smartphone, without requiring additional medical equipment. The AI quantifies biological signals embedded in vocal data — such as breathing patterns, subtle vocal tremors, and acoustic energy distribution — closely related to cardiopulmonary function. Based on this analysis, heart-failure severity is classified into four stages — Normal, Mild, Moderate, and Severe. Exploratory clinical trials have demonstrated predictive performance with an AUC of approximately 95%.



Because the solution is non-invasive and allows for repeated measurements, it can be used in daily life outside the hospital setting. This makes it particularly suitable for continuous monitoring after discharge and for early detection in high-risk populations, positioning it as a next-generation digital-health technology.

Globally, heart failure affects an estimated 120 million people. Approximately 24 million patients are located across five major markets: Korea, the United States, China, Japan, and Singapore. Considering patient population size, as well as digital health adoption, and healthcare accessibility, a.cure has identified the United States, Japan, China, India, Indonesia, and Singapore as key target markets. The company plans direct SaMD entry into the United States and

Japan, while pursuing a phased market approach in China, India, Indonesia, and Singapore through partnerships with chronic-disease management platforms based on an “early cardiac-risk detection” wellness service model.

“We will continue enhancing the accuracy of our AI-based heart failure severity model and expanding global validation datasets to strengthen our technological credibility. Through expanded domestic and international distribution partnerships and participation in major global exhibitions — including MEDICA 2026, SWITCH 2026, and CES 2027 (Innovation Awards application) — we will accelerate our growth as a global leader in medical AI,” explained the company’s CEO.



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Digital Therapeutics

[INQ. NO. 2604E06] Founded in 2016 as a spin-off from Samsung Electronics, WELT specializes in digital therapeutics, developing digital-healthcare solutions that combine medical expertise with advanced IT technologies based upon the concept of 'Wellness Technology.' The company adheres to the core principle of developing clinically validated software medical devices and has expanded its business based on products that have demonstrated safety and efficacy through regulatory approval.



WELT has developed digital therapeutics for insomnia and eating disorders, and is advancing an 'AI Combo Drug' strategy that integrates digital treatment with conventional pharmaceutical therapies. By leveraging AI to analyze patient data, the company aims to optimize medication timing and manage treatment adherence, embedding digital technology throughout the entire patient-care journey.

In 2023, WELT obtained approval from Korea's Ministry of Food and Drug Safety (MFDS) for its insomnia treatment, digital therapeutic SleepQ, establishing a foundation for commercialization in Korea. The company has since collaborated with pharmaceutical firm Handok to expand prescriptions and distribution across domestic medical institutions, promoting a new treatment approach that combines digital therapeutics with conventional medication.

Mobile-based Digital Therapeutic Treatment

SleepQ is a mobile-based digital therapeutic treatment that delivers Cognitive Behavioral Therapy for Insomnia (CBT-I), traditionally administered in person at hospitals. Designed as a six-week treatment program prescribed by medical professionals, SleepQ analyzes patients' sleep diaries and behavioral data to provide personalized treatment plans.

The platform integrates core CBT-I components such as sleep restriction, stimulus control, cognitive restructuring, relaxation therapy, and sleep-hygiene education. Through a connected system comprising a patient app and a clinician dashboard, healthcare providers can monitor and manage the treatment process efficiently.



Clinical trial results have demonstrated its effectiveness. After seven weeks of treatment, patients using SleepQ showed an average 15.14% improvement in sleep efficiency and a reduction of over 55% in sleep onset latency, confirming meaningful improvements in sleep outcomes.

WELT recently also showcased DrugOS, its AI-powered drug optimization platform. DrugOS analyzes patients' physiological and behavioral data in order to recommend optimal medication timing and dosage adjustments tailored to changes in the patient's condition.

DrugOS implements a 'Just-in-Time' medication-management model by identifying disease progression patterns and optimizing medication schedules accordingly. An AI agent continuously interacts with patients to collect additional data, refining treatment strategies over time. This approach enables pharmaceutical companies to enhance therapeutic outcomes by integrating digital technology with existing drugs, without altering the drugs themselves.

In recognition of its technological innovation, WELT

A Selection of Recommendable Items

received a CES Innovation Awards 2026 honor, drawing global attention in the digital healthcare sector.

WELT is actively expanding into global markets. In Europe, the company has established a local subsidiary in Germany, and is conducting clinical trials for adult insomnia patients in collaboration with Charité – Universitätsmedizin Berlin, one of Europe’s largest university hospitals. WELT has also

secured CE certification and ISO 27001 certification, thereby reinforcing its data security and medical device quality-management systems.

In the United States, WELT is expanding its partnerships with global pharmaceutical companies through board-level engagement with the American Telemedicine Association (ATA) and is strengthening its digital healthcare ecosystem through joint research with Oura Health.

In the Middle East, the company is exploring market entry opportunities through discussions with regulatory authorities in the UAE and engaging potential partners at global exhibitions such as WHX Dubai.

Looking ahead, WELT plans to enhance SleepQ with expanded AI capabilities in SleepQ 2.0 and broaden its digital therapeutic pipeline beyond insomnia to include eating disorders, migraines, diabetes, hypertension, and other chronic conditions.



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Digital Therapeutic Device for Improving Nicotine-Use Disorders

[INQ. NO. 2604E07] Innerwave Inc. is a software technology company that has grown through extensive experience in providing IT services both for public institutions and major corporations. Through continuous research and development, the company has expanded into the digital healthcare sector — focusing on AI-based diagnostic support, treatment, and monitoring solutions, as well as AI healthcare platforms. Leveraging its expertise, Innerwave has concentrated on digital medical device development and related services.



Recently, Innerwave received regulatory approval from the Ministry of Food and Drug Safety (MFDS) in Korea for its digital therapeutic device for nicotine-use disorders, under the brand name of Dr. JinNicojini. This product is a mobile app-based digital therapy prescribed to patients after being diagnosed by psychiatric or family medicine specialists. It is structured as an eight-week program grounded in Cognitive Behavioral Therapy (CBT), combining coping strategies for nicotine cravings with motivational-enhancement training to support patient self-management in daily life.

Dr. JinNicojini is a product developed to apply cutting-edge technology through innovative medical device approval — and it has secured content differentiation based on personalized features. The app delivers personalized content through a stepwise eight-week treatment protocol designed to facilitate behavioral change. By collecting and analyzing digital patient data, it supports adherence monitoring and sustained engagement throughout the treatment process. It is significant in that it is a digital therapeutic device that has obtained regulatory approval in Korea, with the goal of improving people's nicotine-use disorders.

Building on its experience in developing disease-management applications and patient-management platforms

for high-level general hospitals, Innerwave plans to expand its domestic clinical references following commercialization. By promoting the adoption of its innovative medical technology in healthcare institutions, the company aims to accumulate real-world clinical cases and strengthen synergies with its broader AI healthcare platform business.

For its overseas expansion strategy, Innerwave has set the German Digital Health Application (DiGA) market as its primary target. To this end, it is preparing to obtain CE MDR certification, as it believes Germany is a market where the regulatory integration of digital therapeutic devices can occur relatively quickly compared to other countries. After securing sufficient domestic references, we plan to pursue a phased expansion into the European and Southeast Asian markets.

Innerwave plans to expand its portfolio of disease-specific digital therapeutic devices based on its digital medical-device development service capabilities and AI-based platform technology.

Starting with Dr. JinNicojini Genie, the company intends to advance its technological competitiveness and business model in the field of digital therapy, and accelerate its entry into the global digital healthcare market.

Innerwave has obtained regulatory approval for software medical devices, achieving development milestones in digital medical devices, mobile health, and AI disease prediction systems—backed by AI-based development infrastructure and clinical data from medical institutions. “We are committed to driving global digital biohealth innovation through our comprehensive one-stop integrated service utilizing medical platforms, AI, and Big Data Cloud technologies,” remarked the company's CEO.



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INQ No. D1033



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Its strong magnetic force keeps your phone securely in place, even when you make a sudden stop or a sharp turn while driving.



Company to Watch

Homecare Devices

[INQ. NO. 2604C08] WON MEDCO is a subsidiary of WONTECH, a company specializing in medical aesthetics, and developing and supplying homecare devices and functional cosmetics based on energy technology for hospital medical devices.



Leveraging WONTECH's accumulated expertise in hospital equipment — including ultrasound, radio frequency (RF), and lasers — WON MEDCO is building a product portfolio that reinterprets the technical concepts of professional treatment areas to enable their application in the home.

Through an integrated development approach that designs and plans cosmetics linked to devices, rather than using the devices in isolation, WON MEDCO proposes comprehensive homecare solutions. Leveraging its strengths in quality control and technological stability derived from medical-device manufacturing experience, WON MEDCO is simultaneously expanding into both B2B and B2C markets.

In the domestic market, WON MEDCO has expanded its distribution and partnerships centered on homecare devices and functional cosmetics. Overseas, it is currently discussing exports and collaborations with clients in major Asian countries, including Hong Kong, Thailand, Vietnam, and Indonesia.

In particular, through participation in Hong Kong Cosmoprof Asia, WON MEDCO established a network with distributors and aesthetics-related firms in the Asian region, and in some countries, test sales and introduction reviews were conducted through local distribution partners. WON MEDCO is expanding its global recognition by continuously participating in overseas exhibitions, focusing on the combined medical and beauty market.

At the recently held KIMES 2026, WON MEDCO clearly projected its identity as a homecare solutions company based on medical device technology. The main objectives of participating in the exhibition were to share the applicability of homecare devices and linked cosmetics with medical device and hospital officials, and to identify new collaboration opportunities with domestic and international buyers and partners. Additionally, WON MEDCO focused on gathering on-site feedback regarding its product portfolio and strengthening technological credibility through specialized medical device exhibitions.

WON MEDCO showcased its ultrasound-based skin-lifting homecare device Ultraskin S, the multi-frequency microcurrent device Petite Glow, and the Hairbeam series,

which utilizes low-power laser technology. These products are characterized by designs that adapt medical device technology concepts to a home environment. The company also introduced a lineup of functional cosmetics designed for simultaneous use with the devices, such as the Cryo-Derm Mask and Oligo-Lifting Cream. Thus, it proposed an



integrated solution that enhances homecare efficiency through the simultaneous use of devices and cosmetics.

WON MEDCO's primary target markets are in Asia, including Thailand, Vietnam, Indonesia, and Hong Kong. These countries are evaluated as markets with high growth potential in the homecare and aesthetics sectors, as well as promising increasing demand for medical device-based beauty solutions. The company has designated local distributors, aesthetics-related companies, and partners with hospital networks as key collaboration targets, while also reviewing the possibility of collaboration with overseas home shopping, online platforms, and specialized distribution channels.

WON MEDCO plans to continue developing homecare devices and cosmetics linked to medical-device technology and gradually expand business opportunities in the global market by participating in major medical and beauty exhibitions. The company aims to solidify its competitiveness in the medical device technology-based

homecare market by strengthening brand awareness and distribution networks through participation in overseas exhibitions such as Cosmoprof Asia and IMCAS Asia.

• **WON MEDCO**

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Tel: (82-70)7872-3550
E-mail: wonmedco@wtlaser.com
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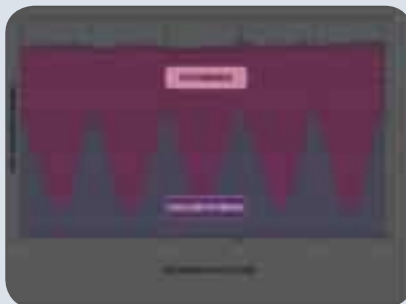


'Soundwave Entrainment Effect'

Sound Oasis Pink Noise Sounds for Better Sleep



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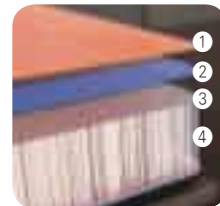
Soft pink noise with delta



Soft white noise

“ Proven by Science ”

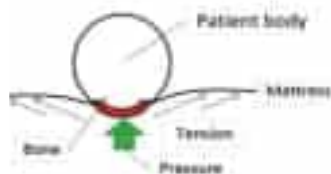
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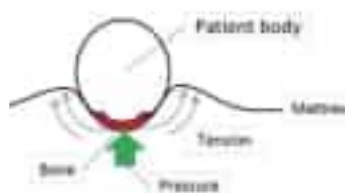
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No hammock effect & no balloon effect



Hammock effect & balloon effect occurred



A mattress using certified eco-friendly materials

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- ④ Nylon String 4.2D, Wide 2.3mm, 14G, 16G



You can take it with you on your trips.

INQ No. D1071

Beyond the Hallyu Wave: K-Culture Brands Emerge as a Global Economic Powerhouse

South Korea's cultural industries have evolved far beyond a pop-culture phenomenon into a pillar of the national economy.

According to the 2025 Content Industry Survey by the Ministry of Culture, Sports and Tourism, Korea's content-industry exports reached a record \$14.07 billion in 2024, showing a 5.5% increase year on year.

Total Hallyu-related exports — spanning content, consumer goods, and tourism — amounted to \$15.18 billion. The production-inducement effect was estimated at KRW37.62 trillion, and the employment-creation effect stood at 175,381 jobs. From K-Pop albums and Netflix dramas, to instant noodles, and biosimilar drugs, K-Culture brands are now reshaping global trade patterns

in tangible, measurable ways.

Korea's content industry posted aggregate revenue of KRW157.40 trillion in 2024, up 2.1% from the prior year. Meanwhile, the number of firms rose 2.4% to 120,875, while employment grew by 3.4% to 688,121.

Exports produced a trade surplus of \$13.16 billion, while Games dominated the export mix at \$8.50 billion (60.4%), followed by music at \$1.80 billion and broadcasting and video at \$1.26.

K-Pop enters a new chapter as BTS makes a huge comeback

Music-industry exports totaled \$1.80 billion in 2024, although physical album sales showed a correction. K-pop





album sales fell to 93.28 million copies, a 19.4% decline and the first drop in a decade.

Meanwhile, album exports to Japan fell by 24.7% to \$89.79 million. Several European markets also contracted, including: the Netherlands by 35.4%, France by 17.2%, and the United Kingdom by 15.7%. Among major companies, SM Entertainment recorded revenue of KRW989.9 billion, while YG Entertainment swung to an operating loss of KRW20.5 billion based on revenue of KRW364.9 billion.

In March 2026, BTS released its fifth studio album, ARIRANG, marking their triumphant return as a full seven-member group after nearly four years. The industry felt the impact immediately as pre-orders shattered all records, exceeding five million copies within the first week alone.

The album's dominance was solidified on the Billboard

charts, where ARIRANG debuted at No. 1 on the Billboard 200, making BTS the first group in history to secure seven chart-topping albums this decade.

The title track simultaneously conquered the Billboard Hot-100, fueled by unprecedented streaming numbers; the lead single held the top spot on Spotify's Daily Top-Songs Global for a record-breaking week, while the group became the first Asian act to see an entire album sweep the top of Apple Music's Global charts.

To celebrate these achievements, a massive comeback concert at Gwanghwamun was live-streamed via Netflix to 190 countries, trending at number one in over 80 regions.

Their subsequent world tour, covering 34 cities and 79 shows, has officially set the all-time record for the highest-grossing single tour by a K-pop act. IBK Investment and Securities estimated direct revenue at approximately

Industry Trends

KRW2.9 trillion, with broader economic effects—including tourism, lodging, and dining — exceeding KRW3 trillion.

How Korean dramas conquered every Netflix chart that matters

Broadcasting and video revenue reached KRW24.99 trillion in 2024, with exports of \$1.26 billion. Broadcast-content exports grew from \$336.02 million in 2014 to \$1.05 billion in 2023.



Drama accounted for 92.2% of finished-program exports. North America was the largest market at \$171.53 million; the greater China market shrank to \$26.22 million, from \$109.63 million in 2014.

Squid Game Season 3, released in July 2025, drew 60.1 million views within three days and topped all 93 Netflix markets — a platform first. Cumulative views surpassed 106.3 million within ten days.

Season 1 still holds the all-time Netflix record of 1.65 billion hours in its first four weeks. The franchise's three seasons rank first through third among non-English titles in Netflix history.

In the first half of 2025, eleven Korean dramas entered Netflix's global Top 100. "When Life Gives You Tangerines" was named the top Korean drama of 2025 by the American magazine Time.

K-Movie sets sales records across 205 countries

The domestic box office contracted modestly in 2024, with total revenue of KRW1.19 trillion (down 5.3%), though Korean films outperformed at KRW691.0 billion (up 15.5%) and a 58% market share.

Two films surpassed 10 million admissions: "Exhuma" at 11.91 million and "The Roundup: Punishment" at 11.50 million.

Park Chan-wook's latest film achieved pre-sales in 205 countries in 2025, surpassing the 2023-country record set by Parasite and generating overseas revenue of approximately KRW17.0 billion.

Total Korean film exports in 2023 stood at \$79.22 million according to the Korean Film Council, with finished-work exports of \$62.16 million, the third-highest figure on record.

What comes next for K-Culture?

K-Culture brands have entered a new phase defined by structural diversification rather than any single breakout success.

K-Gaming and K-Drama demonstrated their platform-era competitiveness through the dominance of content exports and Netflix viewing records, respectively.



The BTS comeback's estimated economic impact of more than KRW3 trillion illustrates that K-Culture now generates multiplier effects across tourism, consumer goods, and services that extend far beyond the cultural sector itself.



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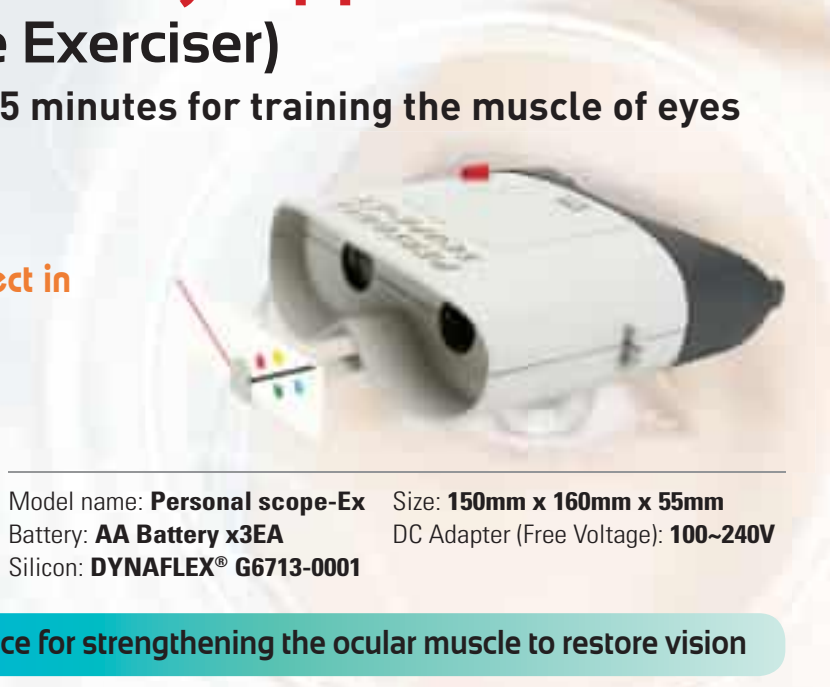
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This apparatus is programmed 5 minutes for training the muscle of eyes

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Persons

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- whose eyesight declines sharply;
- who worry when their children's eyesight declines increasingly;
- who feel uncomfortable due to presbyopia;
- who feel uncomfortable due to dry eye syndrome, diplopia, etc.;
- whose eyesight in both eyes are different;
- who wear glasses; and

Students who cannot read the words on the blackboard well

IZON is the best option for your eye care

- Eye exercise program for:
 - Providing pure natural eye exercises;
 - Covering side effects and faults of eye glasses and vision correction surgery; and Preventing blurred vision and improving eyesight
- Enabling anyone to do all the exercises necessary for eyes with ease; and acting as a device for eye care through exercise and relaxation

"It is not yet too late. Please start from now on with the eye exercise device (the eyesight restoration device) for maintaining and improving your eyesight."

● ● ●

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**Global
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Traveling abroad often brings with it a lot of concerns about potential crimes in unfamiliar places. Crimes targeting travelers, such as theft, robbery, and kidnapping, are common even in countries with good public safety. For those seeking to avoid crimes or accidents in distant foreign countries, we recommend Findme, which offers global location tracking.

* Findme can be used immediately, both domestically and internationally, without any concerns.

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Korea's Exports Continue their Growth Trend in March

Recording trade surplus of \$4.28 billion

Korea's exports in March continued their growth trend for the sixth consecutive month despite a decrease in the number of working days, marking the tenth consecutive month of trade surplus. Semiconductor exports, the country's largest export item, drove this growth by achieving their highest performance in 24 months.



According to the nation's Ministry of Trade, Industry and Energy, exports in March totaled \$56.56 billion, a 3.1% increase year-on-year, while imports recorded \$52.28 billion, a 12.3% decrease over the same period. Consequently, the trade balance — exports minus imports — reached \$4.28 billion, marking a streak of surpluses for the tenth consecutive month.

March exports were very positive, increasing compared to the previous year despite a 1.5 working days decrease (two-day on weekdays). Average daily exports, adjusted for working days, also recorded \$2.51 billion — a 9.9% increase from the previous year.

This trade surplus was the result of increased exports in seven of the 15 major export items. In particular, IT items (semiconductors, displays, computers, and wireless communication devices) led the nation's exports by recording positive growth for the first time in 24 months since March 2022.

Exports of semiconductors, the largest export item, reached \$11.7 billion in March — marking the highest performance in 24 months since March 2022 (\$13.1

billion) and continuing a positive trend for five consecutive months.

Exports of displays increased by 16.2% year-on-year, showing an upward trend for eight consecutive months, while computer SSDs rose by 24.5%, marking three consecutive months of growth.

Exports of wireless communication devices increased by 5.5%, breaking a three-month negative trend and turning positive.

Meanwhile, exports of ships surged by a massive 102.1%, continuing their positive trend for eight consecutive months. Exports of biohealth products also rose by 10.0%, marking five consecutive months of growth. In addition, exports of petroleum products also turned positive after just one month.

By region, exports to China (+0.4%), Korea's largest export destination, recorded positive growth in March, following January. Notably, the daily average export figure (\$470 million), adjusted for working days, increased by 7.1%, maintaining a positive trend for four consecutive months since December of last year.

Exports to the United States reached \$10.9 billion (+11.6%), recording a double-digit growth rate and continuing an upward trend for eight consecutive months, setting a new record for the highest export value ever for the month of March. Meanwhile, exports to Central and South America (+14.4%) also continued a positive trend this year, increasing for three consecutive months.



AVATEC, established in 2000 in Daegu, South Korea, is a KOSDAQ-listed company that has achieved steady growth through continuous R&D and advanced manufacturing expertise. Today, AVATEC stands as a leading provider of high-reliability MLCCs and electronic component solutions.



The company began by localizing critical display components and later expanded into LCD and OLED etching processes. Since 2018, AVATEC has operated a full-scale production system for automotive and industrial MLCCs at its manufacturing site in Gumi, Gyeongsangbuk-do, South Korea. With proprietary formulation technology, distinctive R&D designs such as Open Mode, Floating Mode, and Soft Termination, as well as fully in-house equipment integration, AVATEC delivers customized MLCC solutions with uncompromising quality.

Its world-class reliability is certified by AEC-Q200, ISO 9001/14001, IATF 16949, RoHS, and REACH. AVATEC's MLCCs are widely used in automotive electronics—including ADAS, inverters, DC-DC converters, BMS, and infotainment systems—as well as in energy-related applications such as ESS, battery testing equipment, and solar inverters.

As a trusted technology partner, AVATEC supports customers in innovating with confidence and continues to drive the advancement of next-generation mobility and energy industries.



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Tourist Attractions

Explore the Surroundings of Gyeongbokgung Palace in Hanbok



Gyeongbokgung Palace is one of the most recognizable cultural heritage and tourist sites in Korea. Once a palace where the kings of the Joseon dynasty resided and ruled the kingdom, its shining presence can still be found amid majestic buildings in the heart of Seoul. The area surrounding the palace is full of experience spaces, exhibition halls, and restaurants beloved by Gen Z. This area can broadly be divided into Seochon and Bukchon areas, centered around different themes. Considering the area's historical significance, wearing a hanbok as you explore the area can enrich your memory of the visit even further.

Explore the sensibilities of small alleyways in the Seochon area

Seochon is a village west of Gyeongbokgung Palace and can be accessed through Yeongchumun Gate, the western gate of Gyeongbokgung Palace. Once a village occupied by artists, Seochon has a rather humble, unique atmosphere with small, single-story buildings lining the narrow alleyways, in contrast to the glittering splendor of central Seoul. In recent days, Seochon has begun to draw a large crowd of younger visitors with chic and elegant boutiques, galleries, and cafés that renovate the old buildings with contemporary sensibilities.

The first stop in this Seochon trip is Groundseesaw Seochon. This exhibition space became prominent with hip and interesting exhibitions like "Photographs by YOSIGO: Holiday Memories" and "Accidentally Wes Anderson: Inspire. Discover. Adventure Awaits." The building itself impresses with its architectural merits, which were recognized by the 2020 Seoul Architecture Award. Going inside, one can find a pond and a garden built at the center of the building, creating a peaceful ambience like that in a forest. Just visiting the building, in that sense, is an experience that exceeds one's expectations.

When emerging from the complex net of alleyways, one finds a two-story residential building with a small signboard. This building houses the Korean branch of "Ofr.," a French independent bookstore. This seemingly mundane residential building houses a treasure trove of chic and quirky items waiting to be discovered by the discerning shopper. From rare edition books from abroad



casually arranged in piles to design posters hung up on walls with peeling paint and colorful tote bags thrown around the space, the interior space exemplifies the casual yet chic ambience that has captivated many members of the Korean Gen Z. For travelers, Ofr. offers T-shirts made in-house, cute accessories, and interior decorations that make for great souvenirs.



In a village awash in retro sensibilities, Dae-o Bookstore stands out as the most analog of its spaces. From the peeling paint of its signboard to the worn organ once belonging to the elderly couple who owned the bookstore, earthenware pots, and furniture adorned with jagae (mother-of-pearl and lacquer craft), this old hanok (traditional Korean house) building contains numerous stories that have accumulated in it since 1951. Its unique ambience led to the interior being featured in the jacket photograph of singer-songwriter IU's first cover album, "A Flower Bookmark." Today, Dae-o Bookstore functions as a book café, open to those who order beverages.



A two-minute walk from Dae-o Bookstore brings one to Seochon's famous Tongin Market, a local market with a hundred-year-long history. The delicious smell from the market makes it difficult to just go past the market. The most famous dish served in the market is the oil tteokbokki, rice cakes seasoned and stir-fried in a hot pan. Unlike other tteokbokki, oil tteokbokki has a thick sauce. The rice cakes become crispy flavor bombs dense with savory flavors, culminating in a unique gourmet experience. Another option is to go for the "Coin Lunchbox," a DIY lunchbox you can assemble with different dishes offered in Tongin Market. The coins used in exchange replicate the coins used in the Joseon period. Multilingual signage makes the experience accessible to international visitors as well.

Take the pic of the day, with hanok buildings as a backdrop, at the Bukchon area

Bukchon is another tourist site that one can visit in conjunction with Gyeongbokgung Palace. Compared to Seochon, the hanok buildings in Bukchon tend to be much better preserved, and Bukchon also has parks, a café street, and other interesting sights. The gate that originally led to Bukchon was Geonchunmun Gate, the eastern gate of Gyeongbokgung Palace, but today, visitors must use the entrance of the National Folk Museum of Korea instead.



The centerpiece of the Bukchon area is Bukchon Hanok Village. Originally a historic neighborhood occupied by the members of the royal family, yangban (aristocracy), and state officials in the Joseon period, most hanok buildings in the village follow the urban format, which eschews the open arrangement of traditional hanok buildings that reveals the central courtyard to the beholder, instead featuring higher walls that ensure greater privacy. The photo spot at the top of the hill allows one to capture the unique scenery of the hanok buildings and Namsan Seoul Tower at a distance in a single frame. Bukchon Hanok Village is a residential neighborhood, so one should not disrupt the residents' privacy or enter the residents' houses without permission.

When starting from Gyeongbokgung Palace and coming up the road via the Bukchon Hanok Village Information Center, one soon finds a curiously fragrant spot at the entrance to an alleyway. The fragrance comes from the brand shop "GRANHAND.," a hip Korean fragrance brand that enjoys considerable popularity among the members of Gen Z in Korea. GRANHAND. has eight stores across Seoul. Bukchon's branch, established in 2014 as the brand's first store, is also the only GRANHAND. store set in a hanok building. The store offers a range of fragrance products, from perfumes to diffusers, candles, and oils. GRANHAND. is famous for describing its fragrances like works of literature. Unfortunately, these descriptions are not available in languages other than Korean. Visitors can test the fragrances to search for their favorite among the many offered in the store. The earthenware pot-shaped candle, in particular, is only offered in the Bukchon branch, so it makes for a great souvenir or a gift.

One can find a unique restaurant serving gukbap (rice soup), a Korean soul food, at the alley that leads to the National Museum of Modern and Contemporary Art, Seoul. It is ANAM, a Bib Gourmand restaurant included in the MICHELIN Guide Seoul 2024. Koreans often associate "pork and rice soup" with white or red soup, but the one served in ANAM is green in color, which comes from the oil used to flavor the soup. In winter, the oil is made with Cheongyang chili pepper and kale, while in summer, the oil features Cheongyang chili pepper and pigweed. The oil imbues the soup with a rich fragrance of vegetables. One can also add cilantro to taste.

After a meal, head to Onion Anguk for sweet desserts and tea. This bakery café is housed in a hanok space refined with contemporary sensibilities. There are terrace and table seats, but the most popular seats in the café are those in the wood-floor hall, where one can sit on the floor. Another claim to fame is its baked goods menu, represented by the Pandoro and Ang Butter (bread with red bean paste and thick butter slices). Add an iced Americano or their signature milk tea to add a layer of richness to the desserts.



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Portable Heart Monitoring Device (LH-100W)



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F325	GLCHEM CO., LTD.	(82-43)215-4901	www.glchem.co.kr	ewonmin@glchem.co.kr	20, 21
F297	DAEHOI&T Co., Ltd.	(82-55)715-2233	www.daehoint.co.kr	daehoint@daehoint.co.kr	43, 47
F328	Dae Ryun.Co., Ltd.	(82-63)262-5100	www.drair.co.kr		Cover 2, 1
F326	SWINGPANG	(82)1544-5680	www.swingpang.com	jglee@swingpang.com	4~7
E989	IZON	(82-31)701-9919	www.vision365.kr	jang5254@naver.com	45
F156	SM BIOTECH	(82-31)477-8818	www.smbiotech.com	k010k@daum.net	2, 3
D1033	IFTech Co., Ltd. (Innovation + Film Technology)	(82-41)906-5000	www.iftech.kr	andy@iftech.kr	36, 37
Others					
	KETI ELECS VIETNAM 2026	(82-31)789-7000	www.keti.re.kr www.elecs.or.kr		35 Cover 4

KOOLDerm™

Redefining Comfort, Safety, and Precision in Aesthetic Laser Treatments



KOOLDerm™ is a **next-generation transparent contact cooling system** engineered to minimize epidermal risks while significantly enhancing patient comfort. Its advanced cooling performance enables practitioners to safely utilize higher fluences across a wide range of laser and energy-based treatments.

✦ KOOLDerm™ Core Advantage

KOOLDerm™ delivers continuous, precisely controlled skin-surface cooling **simultaneously** with laser application.

Superior Heat Extraction	Supports advanced thermal conductivity enables rapid efficient surface cooling.
Maximum Surface Protection	Minimizes thermal injury, reducing burn and the risk of PIH.
Enhanced Patient Comfort	Immediate cooling reduces pain and improves overall experience.
Optimal Energy Delivery & Efficacy	High fluence energy delivery with no downtime by preventing thermal injury.
Vessel Constriction	Temporarily constricts vessels to reduce redness, reducing inflammatory mediators and reducing downtime.

✦ The Science Behind Cooling - Backed by Proven Physiology

KOOLDerm™ applies the proven principles of contact skin cooling. By creating a temporary thermal gradient, the system effectively influences local cellular, vascular, and sensory responses.

- **Nerve desensitization**: reduced procedural pain.
- **Vasoconstriction**: reduced redness, swelling, and PIH.
- **Spatial selective cooling**: safe surface protection with deeper energy penetration.
- **Reduced inflammatory mediators**: shorter downtime.