

ELECTRONICS

^{Korea}
Buyers Guide

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Korean Exporters Knocking Increasingly Challenging Global Markets

03

March 2026
(Issue 621)

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	600g
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)



N42 International

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IND No. F324

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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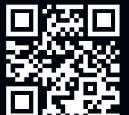
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INQ No. F322





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



1st Partner **SMBIOTECH**

A Modular Dual System Combining UV Control and Filtration



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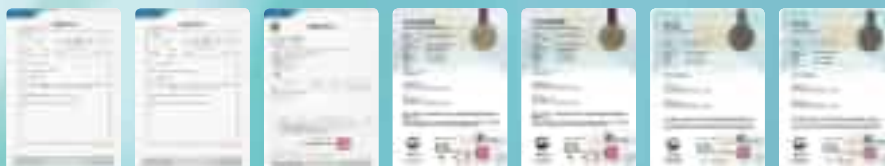
Advanced Air Sterilization Powered by Photo-Plasma Technology

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



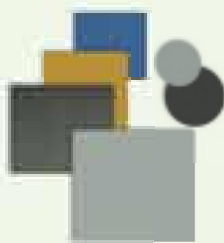
Mobile X-ray
DIG-1100,M



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.

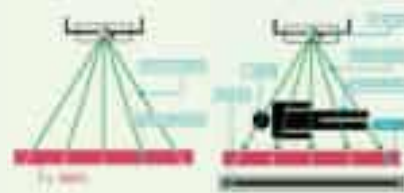
Specifications

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





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Korea Buyers Guide Published!

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



Korea Buyers Guide (General Items)

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New & Hot
Cover Story
Special Report
Expo Preview
Market Trends
Pioneer
Advertisers' Index



Machinery & Automotives

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Cover Story
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Korean Exporters Knocking
Increasingly Challenging Global
Markets

03
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Maximized sterilization effect while remaining harmless to the human body
**with Twinkstar's space-specific
XLED sterilization technology!**

Twinkstar is a convergent lighting uses its space-specific XLED sterilization technology. It uses visible light wavelengths, instead of harmful UV wavelengths, enhancing sterilization power and making it safe for everyday use. Unlike other sterilization products that are harmful to the human body, it sterilizes 99.9% using nature-friendly light, so it is much safer.



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



DISPENSING NOZZLE



INQ No. N669



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AUTOMOTIVE HEADLAMP SOLUTIONS

WE INCREASE OUR VALUE WITH DIFFERENTIATED TECHNOLOGY.

Headlamps, which illuminate the front of the car and ensure the driver's visibility, are mainly focused on Sub Ass'y, and are responsible for all products from injection molding, deposition, assembly to shipping. Fog lamps, also called fog lights, are products made with full assembly through the hot melting method.

HEAD LAMPS

Including Bezel Ass'y and other partial assemblies.

Model

- **HYUNDAI MOTORS** - Grandeur, Sonata, I40, Genesis Coupe, Porter
- **KIA MOTORS** - K5, K7, Sorento R, Ray, Bongo III Truck
- **SSANGYONG MOTORS** - Chairman

FRONT FOG LAMPS

Assembly Production Using Hot Melt Technology

Model

- **KIA MOTORS** - K9, Sorento R, Ray, Sportage
- **SSANGYONG MOTORS** - Chairman W, Chairman H



WOOSUNG Ind.CO.,LTD

INO No. N632

* Domestic & Global Partnerships

- Automakers: Hyundai Motors / Kia Motors / SsangYong Motors / BMW
- Automotive Parts Companies: Hyundai Mobis / Hyundai IHL / BEHR

REAR COMBINATION LAMPS

Production of Sub-Assembly Products at a Pre-Finished Stage

Model

- **HYUNDAI MOTORS** – Sonata, Avante, Tucson ix, Ioniq, Veloster
- **KIA MOTORS** – K5, Niro
- **SSANGYONG MOTORS** – Chairman W, Chairman H
- **BMW** – 3 Series (F30, F31, F35)
- **SUBARU** – Impreza
- **MAZDA** – CX-9

REAR FOG LAMP

Rear Fog Lamp Assembly Production Using Vibration Welding Technology

Model

- **HYUNDAI MOTORS** – HG GRANDEUR
- **KIA MOTORS** – MOHAVE, SOUL, GRAND STAREX



LS Electric Expands U.S. Plant to Meet Higher Demand for Power Grid

HD Hyundai and Hyosung Heavy Industries are also taking a step forward

LS Electric is making an additional investment in its high-voltage distribution board plant in Enoch, Utah, USA. Korean power equipment companies are rapidly increasing their exports and local production in the United States.

According to an industry source, LS Electric recently signed a contract with Utah to invest an additional KRW 200 billion in its high-voltage power distribution board plant in Enoch.

Its goal is to increase the current operating capacity of KRW 50 billion, to up to KRW 150 billion and expand the factory site from approximately 13,223m² to about 79,338m². It aims to start construction for expansion within the first half of the year.

LS Electric plans to increase the yield and quality of its plant to the level of its plant in Cheongju, the largest in Korea. Utah is expected to offer 'Rural Economic Development Tax Increment Financing (REDTIF)' benefits for this investment.

The reason for the factory expansion is the demand from U.S. big tech companies for high-voltage distribution

boards for AI data centers.

In response, domestic power equipment companies, including LS Electric, are continuously increasing their investments in the region. HD Hyundai Electric intends to construct a second plant in Alabama, while Hyosung Heavy Industries plans to expand its ultra-high voltage transformer plant in Memphis, Tennessee, to the largest in the United States.



Due to the overwhelming demand for power equipment in the U.S. market, not only local production but also exports are increasing. According to the Ministry of Trade, Industry and Energy, exports of electrical equipment, including voltage regulators, cables, and circuit breakers, totaled USD 16.7 billion last year, a 7% increase from USD 15.6 billion in 2024. Exports are expected to reach USD 17.7 billion this year, a 6% increase from the previous year.

Samsung Electronics Reclaims No. 1 Position in Global DRAM Within a Year

Market share reaches 37%

Samsung Electronics has regained the No. 1 position in the global DRAM market from SK Hynix in a year. This is because the company has recaptured competitiveness in the high-bandwidth memory (HBM) market, and related sales have increased due to rising prices of general-purpose DRAMS.



According to market research firm Omdia, the global DRAM market reached USD 52.47 billion (approximately KRW 76 trillion) in the fourth quarter of last year, representing a USD 12 billion (approximately KRW 17 trillion) increase from the previous year. The sharp rise in DRAM prices has significantly expanded the market size itself. Samsung Electronics' DRAM sales increased by 40.6% from the previous quarter to a total of USD 19.156 billion (approximately KRW 27.7 trillion). Its market share rose 2.9% points to 36.6%, reaching the No. 1 position.

During the same period, SK Hynix's DRAM sales increased 25.2% to USD 17.226 billion (approximately KRW 25 trillion), but its market share fell slightly from 34.1% to 32.9%, dropping to second place. After SK Hynix gained the 1st ranking in the HBM market in the first quarter of last year thanks to increased sales, the ranking returned to its original position a year later.

It was the first time in 33 years that the top rank in the DRAM market changed since Samsung Electronics won the global No. 1 ranking in 1992. Since then, SK Hynix has

taken the top spot for three consecutive quarters, until the third quarter of 2025, based on Omdia data.

Samsung Electronics' significant sales growth in the DRAM market is driven by the overall rise in general-purpose DRAM prices. According to Counterpoint, the prices of DRAM for servers in the fourth quarter of last year rose by 76% compared to the previous quarter, and are expected to rise 98% in the first quarter of this year as well. Samsung Electronics benefits more from rising DRAM prices because it produces much more general-purpose DRAMs than SK Hynix.

Samsung Electronics delivered HBM4 first, which will be supplied to NVIDIA this year, but SK Hynix is expected to gain the upper hand in overall supply. Samsung Electronics started supplying HBM4, capable of up to 13Gbps (13Gbps per second), in February.

SK Hynix is expected to begin supplying products in the first quarter. However, given its lead in production and yield, the market expects SK Hynix to take up approximately 50% of the total HBM4 supply, with Samsung Electronics accounting for 20%.



LG Electronics Maintains No. 1 Ranking in U.S. Home Appliance Market for Second Year

Six home appliances record 22% market share
LG Electronics wins the top spot in refrigerators for the first time

LG Electronics maintained its No. 1 position in the U.S. home appliances market last year following 2024. In particular, the company has expanded its market share by ranking No. 1 for the first time in refrigerators, exceeding washing machines and dryers, which had performed strongly last year.



According to U.S. market research firm TraQline and others, LG Electronics ranked No. 1 for two consecutive years, achieving a 22% market share in six major home appliance categories last year, based on sales.

Most noteworthy this time is refrigerator sales. In addition to washers and dryers, its flagship products so far, LG Electronics achieved a 24.3% market share and took first place even in refrigerators, surpassing competitors like Samsung Electronics, General Electric (GE), and Whirlpool. This marks the first time LG Electronics has ranked first in the U.S. refrigerator market.

LG Electronics is also stepping up efforts to expand its performance in the U.S. home appliances market to business-to-business (B2B) areas such as commercial washers and the construction (builder) market. It has

signed a supply contract with CSC Service Works, North America's No. 1 laundry solution company that operates about 1.5 million commercial washers across the United States and Canada. It is also expanding its customer base by supplying commercial washers to various residential environments such as university dormitories and multi-family housing.



K-Security Recording Prosperity

Korea Startup Centers supporting overseas expansion of Korean startups

QuaeryPie, a Korean security solutions company that entered the Japanese market with support from the Korea Startup Center (KSC), is being kept busy responding to requests for collaboration from Japanese companies. It recently signed a supply contract with leading Japanese IT and manufacturing companies such as TerraSky, Payroll, and Toyota Motor Corp.

KSC, supervised by the Ministry of SMEs and Startups and operated by Korea SMEs and Startups, is serving a role

as a significant stepping stone for domestic artificial intelligence (AI) and data startups to expand overseas. It supports the settlement of companies that do not have enough capital and excellent manpower, and are hampered by their lack of understanding of local policies and systems.



According to the Ministry of SMEs and Startups, 104 of the 119 KSC-supported companies, or 87.3%, succeeded in entering overseas markets last year. Overseas sales they generated through this amounted to KRW 105.9 billion and investment attraction reached KRW 580.5 billion.

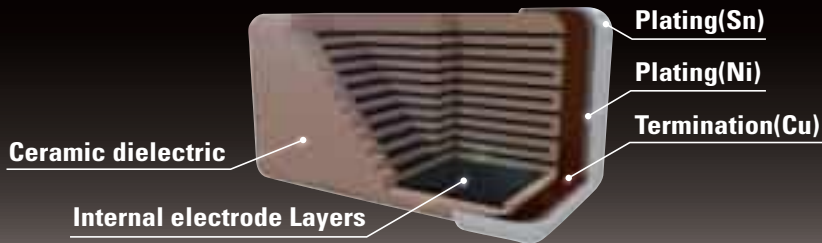
KSC has five offices in Seattle, USA; Hanoi, Vietnam; Tokyo, Japan; Paris, France; and Singapore. KSC Tokyo is located in Toranomon, Minato Ward, Tokyo, which is a densely populated area with Japanese financial institutions, public institutions, and major corporate headquarters.

Shaple&Company, a provider of software-as-a-Service (SaaS)-based field work efficiency solutions, also successfully entered the Japanese market with KSC's assistance. In particular, KSC's active support has become a big help in expanding its business by forming bridges with large company partners such as Hyosung Japan and Samsung Japan.



AVATEC

Your Trusted MLCC Partner Small Enough to Care, Strong Enough to Deliver



Securing Avatec's Unique Formulation Technology

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
Cap.	6.3 10 16 25 35 50 100	6.3 10 16 25 35 50 100	6.3 10 16 25 35 50 100	6.3 10 16 25 35 50 100	6.3 10 16 25 35 50 100	6.3 10 16 25 35 50 100
150pF						
600pF						
1nF						
1.2nF						
1.5nF						
2.2nF						
2.7nF						
3.3nF						
3.9nF						
4.7nF						
5.6nF						
6.8nF						
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
Cap.	16 25 35 50 80 100	16 25 35 50 80 100	16 25 35 50 80 100	16 25 35 50 80 100	16 25 35 50 80 100
100pF					
220pF					
330pF					
470pF					
1nF					
2.2nF					
3.9nF					
4.7nF					
10nF					
22nF					
24nF					
30nF					
39nF					
100nF					
220nF					

• X5R / X6S Series

Size	0603	1005	1608	2012	3216	3225
Cap.	6.3 10 16 25 35 50 100	6.3 10 16 25 35 50 100	6.3 10 16 25 35 50 100	6.3 10 16 25 35 50 100	6.3 10 16 25 35 50 100	6.3 10 16 25 35 50 100
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
Cap.	6.3 10 16 25 35 50 100	6.3 10 16 25 35 50 100	6.3 10 16 25 35 50 100	6.3 10 16 25 35 50 100	6.3 10 16 25 35 50 100
100pF					
600pF					
1nF					
1.2nF					
1.5nF					
2.2nF					
2.7nF					
3.3nF					
3.9nF					
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10μF					
22μF					
47μF					



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INQ No. F322

MicellCMC®

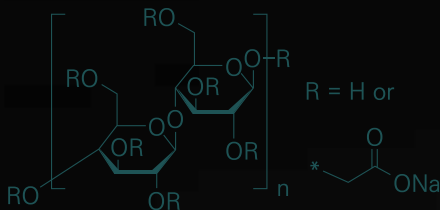
MICELLECMC® is a brand of CMC (Carboxymethyl cellulose) produced by GLChem Co., which adds water solubility by replacing the hydroxy group (-OH) of cellulose with a hydrophilic sodium carboxymethyl group (-CH₂COONa) / Lithium carboxymethyl group (-CH₂COOLi) and shows hygroscopicity like general water-soluble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

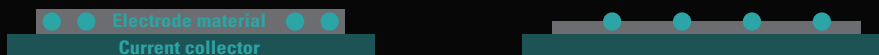


Synthesis,
Refining,
Classification



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



Robotic Hand Platform

[INQ. NO. 2603E01] Wonik Robotics introduced its robotic hand platform, the Allegro Hand, at SEMICON KOREA 2026, recently held at COEX in Seoul.



During this exhibition, Wonik Robotics demonstrated three products — the V4, V5 Plus, and V5 Sense. The V4 demonstrated handling of irregular objects based on artificial intelligence (AI). It learned spheres, rectangular parallelepipeds, and cylinders through simulations, and based on this learning, it was able to perform rotational movements with irregular objects that had not been learned.

The V5 Plus features pressure sensors at its fingertips, enabling it to grasp and hold objects with appropriate gripping force. The V5 Sense also features pressure sensors in its finger joints and palm. This allows for stable force control and allows for monitoring of contact with objects.

"Our Allegro Hand is a research and development

platform, primarily targeting universities and corporate research labs," explained a spokesperson for the company, adding "The V5 Sense, scheduled for release this year, can provide more detailed contact and pressure data than existing products, which is essential for research."

Wonik Robotics is a robotics automation specialist that realizes industrial automation through its in-house developed autonomous mobile robots (AMR/AMMR) and robotic hands (Allegro Hand), based on advanced robotics engineering and AI technologies.



• Wonik Robotics

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Voice-based AI Nursing Solution

[INQ. NO. 2603E02] CareMinder recently showcased its advanced patient voice-based Artificial Intelligence (AI) nursing solution CareFlow, at the Consumer Electronics Show (CES) 2026 in Las Vegas, USA.

CareFlow collects patient requests via voice and uses AI to distribute them to appropriate caregivers. It also automatically creates a patient questionnaire based on the patient's voice. The company described it as an integrated nursing solution for hospitals.



At CES, CareMinder met with hospital officials in the United States to discuss practical applications, and also held an investor relations (IR) pitch session for attendees.

A company spokesperson explained, "Given that the

nursing shortage is a global issue, not limited to a specific country, there was strong interest in CareFlow from overseas hospital officials."

Meanwhile, CareMinder participated in Singapore's SWITCH 2025 to lay the groundwork for its overseas expansion. The spokesperson for the company added, "We are currently pursuing full-scale global expansion, including preparing agreements for local launches."

The voice-based AI nursing solution CareFlow consists of CareVoice, which collects and delivers patient requests via voice from hospital beds; CareLink for remote monitoring and management; and CareForm, which automatically inputs medical questionnaire charts via voice.

• CareMinder

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E-mail: contact@careminder.biz Website: https://careminder.biz/en



ISO Certification 9001:2008
FCC (USA), C-TICK (Australia)

KS Q ISO 9001:2009
US FDA CLASS 1

Electromagnetic Waves Certification: KC (Korea), CE (Europe)
Patent of Invention No. 0359001

IZON
www.vision365.kr

Eyesight Recovery Apparatus (Eye Exerciser)

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

The Magic Telescope,

A Matchless Eyesight Restoration Project in Korea, Improving your Eyesight

In contemporary life your eyesight is forced to get worse and worse, so eye exercises and eye care are essential, not just an option. Using the eye exercise device of IZON, anybody can easily do all the necessary exercises for the eyes.

Model name: **Personal scope-Ex**
Battery: **AA Battery x3EA**
Silicon: **DYNAFLEX® G6713-0001**

Size: **150mm x 160mm x 55mm**
DC Adapter (Free Voltage): **100~240V**

PERSONAL SCOPE-EX - An exercise device for strengthening the ocular muscle to restore vision



We recommend IZON for the following:

Persons

- whose eyes are failing even though they wear glasses;
- who use smartphones, tablet CPs and computers frequently;
- who suffer from eye fatigue easily;
- 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."



www.vision365.kr <http://www.facebook.com/izon365>
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INO No. E989

● ● ●

NEW Standard in Location Trackers

Findme is a multi-purpose smart GPS tracker. It provides more accurate location-information services through a dedicated IoT network with improved performance.



**Global
location
tracking**

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.

**Theft and
loss
Location
Tracking**

**Real-time
Location
Confirmation**

**Safe Zone
Leaving
Confirmation**

Findme provides accurate location services using low-power wide-area networks (LPWA) with improved performance.



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Korean Exporters Relentlessly Marketing Competitive Export Items

Korea's exports in February reached \$67.45 billion, a 29.0% increase from the same month last year.

Semiconductors were the driving force behind Korea's exports, reaching \$25.16 billion in February, showing a remarkable 160.8% increase compared to the same month last year. This is in fact the highest monthly figure ever recorded. Semiconductor exports have remained above \$20 billion for three consecutive months due to excess demand stemming from increased investment in artificial intelligence (AI), and the resulting surge in memory prices.



In February, only five of Korea's 15 major export items, including semiconductors, saw an increase in exports. Computers, wireless communication devices, ships, and biohealth were these items that saw export growth. Conversely, exports of automobiles and auto parts declined due to the Lunar New Year holidays. Exports of general machinery, petrochemicals, and steel also saw declines.

By region, exports increased in seven of the nine major export regions. Exports to the United States reached \$12.85 billion, a 29.9% increase, marking the highest February



performance ever. Exports to China also increased by 34.1% to \$12.75 billion due to higher demand for semiconductors.

Following these achievements, Korean export manufacturing companies are continuously developing and launching new products. Companies are making every effort to achieve their export performance goals for this year, and are strategically engaging in research and development and market development.

MAJUTECH has advanced its vein-visualization technologies through more than 20 years of accumulated medical device development experience and continuous R&D, aiming to expand its business beyond simple vein-detection devices toward vascular analysis equipment.

At SEMICON KOREA 2026, SAMICK THK exhibited its NX-mobile AMR, an autonomous mobile robot (AMR) that combines a multi-joint robot with a humanoid-shape. The product performs various tasks based on a multi-joint robot. Two cameras mounted on the robot head provide three-dimensional perception of the surrounding environment, while hand cameras at the end of each joint capture the shape of the workpiece.



Union Medical recently showcased its key product lineup targeting the aesthetics and skincare markets, focusing on high-power laser equipment. Last year, it showcased the technological prowess of its existing products to both domestic medical professionals and international buyers.

Potential Generator

[INQ. NO. 2603E03] REGENTECH, founded in January 2019, has grown from its roots in the distribution of medical devices and health functional foods. Initially, the company focused on the distribution of potential generators (electrotherapy medical devices) and identified market needs through communication with consumers.

In December 2021, the company established a production facility in Hanam, Gyeonggi Province. The company launched its upgraded potential generator, the ELCURE 1000, and officially entered the medical device manufacturing market.

Currently, the ELCURE 1000 has been installed in approximately 40 medical institutions in Korea, with over 100 units sold, providing pain relief and therapeutic benefits to numerous patients. Meanwhile, the company is steadily expanding its presence in the global market, with three units sold in both the USA and China, respectively.



Non-invasive Electrical Stimulation Medical Device

The ELCURE 1000 is a non-invasive electrical stimulation medical device utilizing high-voltage microcurrent technology. It provides solutions that help improve blood circulation, relieve pain, and promote cell regeneration.

Equipped with a display that allows users to monitor microcurrent levels in real time, it is effective in alleviating various pains — including muscle pain, joint pain, and neuralgia. Certified as a Class-2 medical device by Korea's Ministry of Food and Drug Safety, it boasts practicality and convenience, making it accessible to both medical professionals and general users.

REGENTECH plans to expand into the global market, targeting countries with large medical industries, such as the USA, China, and Japan. As a leading player in high-voltage electric potential therapy, Japan is attracting attention as a key market for testing the potential of its products.



"We provide technologies that activate the body's natural healing abilities to assist in cellular regeneration, without resorting to artificial or chemical compounds or treatments. We hope that through our research and development of medical technology-intensive products and services, provided safely and conveniently, we will be able to help many people," commented the company's CEO.

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Cover Story

Vein Viewer

[INQ. NO. 2603E04] MAJUTECH Inc., a company specializing in vein-viewer systems, is accelerating its expansion into global markets while strengthening its presence in domestic medical settings with its flagship product, the infrared vein viewer VeinVu 200.

Founded in 2015, MAJUTECH has advanced its vein-visualization technologies through more than 20 years of accumulated medical device development experience and continuous R&D, aiming to expand its business beyond simple vein-detection devices toward vascular analysis equipment.

VeinVu 200 is a medical device that uses infrared-based vein-imaging projection technology to clearly display vascular structures on the skin surface. In particular, its HD mode enables visualization of fine veins, while the Line mode intuitively highlights the centerline of veins, allowing medical professionals to quickly and accurately identify optimal sites during intravenous injections or blood collection. These features help reduce procedural burdens for clinicians and alleviate patient discomfort, especially among pediatric patients, older adults, and individuals with difficult venous access.



MAJUTECH is currently expanding the supply of VeinVu 200 primarily to university hospitals, general hospitals, and specialized hospitals in Korea. Leveraging performance, quality, and price competitiveness, the company is gradually strengthening its market position even while competing with global-leading companies.

In overseas markets, MAJUTECH has begun sales in approximately 20 countries, securing a stable export base through exclusive distribution agreements of three to five years in some regions. In addition, with the completion of

European MDR registration, the company is progressively expanding into multiple European countries.



Building on the success of VeinVu 200, MAJUTECH is also preparing next-generation product development that extends beyond vein visualization to include technologies such as blood flow velocity measurement and vascular guidance functions. From 2026 onward, the company plans to sequentially introduce new medical device lineups, aiming to evolve into a specialized provider of comprehensive venous and vascular solutions.

- **MAJUTECH Inc.**
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Nail & Toenail Management Solutions

[INQ. NO. 2603E05] VADICOS Plus is expanding its professional medical services, focusing on problem nail and toenail management solutions that transcend the boundaries between beauty and medical.

Starting as VADICOS, today VADICOS Plus has expanded its business to encompass specialized medical services in response to changing times and the demands of the medical field. It has also focused on establishing management standards and systems that enable hospitals and professionals to grow together.



Currently, VADICOS Plus provides integrated products, solutions, and education systems centered on problematic nail care, steadily expanding its collaboration base with medical institutions.

Its VADICOS Corrector (Ingrown Nail System) is a non-surgical, painless correction solution developed to minimize side effects and discomfort associated with excisional surgery. The corrective wire, made from a shape-memory alloy, exhibits both shape-memory recovery above a certain temperature and super elasticity.

Its ATOM Laser is a non-heating, painless medical device characterized by dual effects: a 405nm wavelength that induces antifungal activity and a 635nm wavelength that promotes blood circulation and regeneration. The system supports simultaneous irradiation of both feet to reduce treatment time and features a dual-monitor setup that allows users to visually confirm and adjust irradiation positions.

Another strength is that it aims to improve mycosis while reducing the burden of side effects from drug treatment.



VADICOS Plus is also accelerating its expansion into overseas markets. Japan is the first export destination, where the company is preparing entry into the medical problematic nail care market through cooperation with Maruto, a Japanese company with a 100-year history.

In addition, the company plans to expand exports of non-surgical, painless correction and antifungal treatment solutions to Southeast Asian countries, where the burden of hospital treatment costs is relatively high.

• **VADICOS Plus**

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Digital X-ray-based Mobile Medical-Imaging Solution

[INQ. NO. 2603E06] Bontech Co., Ltd. is a specialized medical device company that has developed imaging solutions across medical, veterinary, and security fields based on digital X-ray technology. Guided by its corporate philosophy of 'creating something from nothing,' the company has continuously pursued user-centered technology design and product development with strong on-site applicability.

Since establishing its in-house research institute in 2013, Bontech has grown its core business around digital X-ray detectors and imaging systems, securing major international certifications — including FDA, KFDA, CE, ISO 13485, and GMP — and building technological credibility in global markets.



Bontech's product-lineup includes medical digital X-ray detectors, mammography (X-ray Mammo) detectors, veterinary X-ray systems, imaging solutions for security and military field operations, and EOD systems for government agencies. These products are characterized by designs that reflect clinical environments and field conditions, offering scalability for application across various industries.

Through exports to North America, Europe, and Asia, Bontech has established a global network and accumulated application experience in public and medical sectors through supply cases with organizations such as the Korean National Tuberculosis Association, the Korea Coast Guard, and government agencies in Uzbekistan.

Designed for environments where mobility and ease of installation are paramount, Bontech's portable X-ray system features a lightweight, integrated design that allows for single-person operation and delivers reliable imaging even in environments with limited power supply. Its design also allows for use in remote areas and mobile clinical settings where fixed X-ray systems are difficult to install.

Bontech is pursuing overseas expansion, focusing on countries with rapidly expanding healthcare infrastructure

but still experiencing regional disparities in access to healthcare. Key target countries include Uzbekistan, Indonesia, and the Philippines — with public hospitals, local medical institutions, government-affiliated health agencies, medical device distributors, and healthcare project companies as key partners. These countries, with their high concentration of rural and island communities, are considered markets where mobility, energy efficiency, and ease of installation are crucial for medical equipment.



Bontech's portable X-ray systems and basic health-screening solutions are designed with these environmental characteristics in mind — and also under consideration is their potential linkage with national health programs, policies to expand remote and primary healthcare services, and health projects led by international organizations and NGOs. Through these efforts, the company aims to improve efficiency and accessibility of local medical services while building long-term partnerships.

• **Bontech Co., Ltd.**

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Digital Treatment Solutions

[INQ. NO. 2603E07] Emocog Inc. is a digital healthcare platform that assesses and treats emotion and cognition. Starting with the development of Cogthera, which is software used as a medical device for mild cognitive impairment, Emocog covers the entire dementia cycle — from prevention, to identification, and symptom improvement.

Digital Screening Tool for Early Detection of Cognitive Decline

MemoryPick is a digital screening tool that helps users to detect early signs of cognitive decline. It evaluates memory and executive function, which are the first cognitive areas to decline due to dementia, as well as subjective cognitive decline and depression.



At the end of the test, it provides an instant results report representing the user's brain health. Based on the results, it recommends memory strategies to help people's daily life and lifestyle habits to keep the brain healthy.

It is a responsive web-based online test that can be performed on various devices and operating systems through a QR or a URL.

The test takes only about five minutes, providing comfortable and easy-to-use content based on simple words and shapes.

It is able to improve the accuracy of the results through large-scale compliance data by accounting for differences in cognitive function based on age, education, gender, etc.

Digital Healthcare Treatment Device

Cogthera is a digital therapeutics (DTx) device for delaying cognitive decline in patients with mild cognitive impairment.

Cogthera constantly monitors patients' cognitive functions and provides personalized cognitive training to strengthen their neural networks and increase their *cognitive reserve.

It was designated as an Innovative Medical Device by MFDS and became the first cognitive intervention treatment software for MCI to be designated as an Innovative Medical Device in Korea.



It features a conversation-based interface using vocal cues, made for the convenience of patients with early cognitive decline. The difficulty-level automatically adjusts based on the patient's performance. It is designed for daily use under the guidance and prescription of a healthcare professional.

Emocog builds an ecosystem to care for the entire journey from screening, to diagnosis and treatment of dementia. To overcome the physical constraints of not being able to care for every patient every day, Emocog proposes innovative solutions utilizing digital technology.

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Cover Story

Medical Devices

[INQ. NO. 2603E08] Founded in 2005, WON MEDCO leverages its 25 years of accumulated laser manufacturing expertise to develop innovative medical and homecare devices, elevating the status of K-beauty in the global market. With its superior technology and extensive clinical data, the company provides customers with trustworthy products and sets new standards for skin care and beauty.

water drop lift ultrasound), and LED light therapy, the device offers a variety of benefits, including skin elasticity enhancement, wrinkle improvement, lifting, tightening, and skin soothing.

These features effectively address the diverse skin concerns of various skin types and promote overall improvement. Instead of complex buttons, the device features an intuitive



Through its flagship brand, CLABIANE, the company offers a diverse range of products that combine expertise and quality, and through continuous research and innovation, it is leading the way in creating a new culture of skin care.

Homecare Complex Beauty Device

WON MEDCO's Oligihome is an innovative homecare complex beauty device that combines five functions — HIFU, RF, AP, LDM, and LED — in a single device. By integrating various technologies, this device offers the convenience of receiving all your beauty care needs in one place, thus eliminating the need for multiple individual devices.

Combining technologies such as RF (Radio Frequency), EP (Electroporation), LDM (Local Dynamic Micro-massage, or

touchscreen for maximum user convenience.

Simple operation allows users to easily select their desired functions, making it simple for anyone to use. Boasting a sophisticated design and outstanding performance, this device allows users to experience professional-level beauty care at home.

Hair-loss Treatment Medical Device

WON MEDCO's Hair Beam Air is the first hair-loss treatment medical device developed in Korea, in 2009. Approved by the Ministry of Food and Drug Safety, it utilizes LLLT (low-level laser therapy) technology.

When blood flow and oxygen levels in the blood vessels connected to the hair follicles increase by directly delivering

A Selection of Competitive Export Items

LD and LED light to the scalp, it increases blood flow and oxygen levels in the blood vessels connected to the hair follicles. This stimulates capillaries, dilating and supplying nutrients to the hair follicles and roots, thereby promoting hair growth and enhancing hair thickness. It is effective in treating hair loss, strengthening hair thickness, increasing hair density, accelerating hair growth, regenerating aged hair, repairing damaged hair, and providing scalp care.



WON MEDCO is the first in Korea to complete clinical trials at two national university hospitals (Seoul National University Bundang Hospital, and Kyungpook National University Hospital) for its latest Hair Beam Air for hair-loss treatment.

The clinical results showed that after six months of use, the number of hairs per 1cm² increased by 17.2, and hair

thickness increased by an average of 12.6 μ m. These are the best and most reliable figures for hair-loss treatments in Korea. In addition, its Hair Beam Air holds numerous patents and awards as the world's first helmet-type hair-loss treatment device.

"Founded in 2005, WON MEDCO is a subsidiary of Wontech, a laser medical device manufacturer. We manufacture and sell medical devices for dermatology and aesthetics, homecare beauty devices, and medical skincare products. Developed in collaboration with leading experts, we offer high-quality products that will help you restore your skin's natural beauty," remarked the company's CEO.

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High-power Laser Equipment

[INQ. NO. 2603E09] Founded in 1988, Union Medical Co., Ltd. is a medical device manufacturer specializing in the development and manufacture of various laser and energy-based medical devices, including electro-surgical devices and CO₂ lasers, using proprietary technology.

Union Medical continues to expand its global market by building a differentiated technology portfolio that includes 1450nm, 1550nm, and 1927nm lasers, multi-pulse IPL, pneumatic injection systems utilizing air, and high-frequency hyperthermia cancer-treatment devices.

To strengthen its quality competitiveness and to meet global standards, Union Medical has obtained ISO, GMP, and MDSAP certifications. Based on individual country-specific approvals, it is actively expanding into overseas markets.

In Korea, Union Medical has maintained steady sales based on its long-standing brand recognition and stable distribution network. In overseas markets, the company achieved record sales in 2025, demonstrating the success of its sales-channel diversification. In the Japanese market, in particular, the company has maintained stable performance, supplying over 100 CO₂ laser devices annually for over 20 years.

Union Medical recently showcased its key product lineup targeting the aesthetics and skincare markets, focusing on high-power laser equipment. Last year, it showcased the

technological prowess of its existing products to both domestic medical professionals and international buyers.

Diode Laser Device

Union Medical's flagship product, the NEOBEAM, is a 1450nm diode laser device characterized by its high absorption by water and sebum. With a high-output of 25W, it delivers consistent energy even through a 10mm lens, enabling deep energy penetration and shortening treatment times. Furthermore, the device features a cooling system to reduce the risk of burns and is designed with the safety of both users and patients in mind.



Dual Fractional Laser Device

Union Medical's DE ORO DUAL is a dual fractional laser device that integrates two-wavelength lasers — 1550nm and 1927nm — into a single system. Designed to simultaneously target both epidermal and dermal lesions, its high output and small beam size maximize treatment effectiveness while minimizing side effects. Its flexibility in adapting to a variety



A Selection of Competitive Export Items

of skin types and treatment objectives makes it a highly useful clinical device.

Union Medical is expanding its overseas business, targeting Japan and Brazil as key target markets. In Japan, the company is expanding its product line with a variety of laser devices, leveraging its experience in selling CO₂ lasers. It also plans to strengthen its presence among medical professionals through participation in relevant academic conferences. In Brazil, considering the high demand for skincare products, the company is establishing a bridgehead for full-scale market entry based on its MDSAP certification.

Going forward, Union Medical plans to respond to the rapidly evolving demands of the aesthetic medicine market

through continued investment in R&D, and to expand its reach to global buyers by participating in key international academic conferences and exhibitions, such as IMCAS, DUBAI DERMA, and AMWC. In 2026, it plans to introduce differentiated new products that reflect customer needs and further strengthen its competitiveness in the laser-based aesthetic medical device market.

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Autonomous Mobile Robot

[INQ. NO. 2603E10] SAMICK THK Co., Ltd. exhibited the NX-mobile AMR, an autonomous mobile robot (AMR) that combines a multi-joint robot with a humanoid-shape at SEMICON KOREA 2026.



The product performs various tasks based on a multi-joint robot. Two cameras mounted on the robot head provide three-dimensional perception of the surrounding environment, while hand cameras at the end of each joint capture the shape of the workpiece. Based on this

information, the AMR can perform autonomous operations, such as loading items into empty spaces in a storage bin or, conversely, checking the location and retrieving items.

The AMR features a lifting axis that moves the robot up and down, allowing it to flexibly adjust its position to the height of the workpiece. It is also equipped with various sensors and scanners for safety. Furthermore, the built-in pneumatic device generates the compressed air required for robot operation without the need for separate equipment.

A spokesperson for the company explained, "It can be used in environments requiring organization or frequent material transport," adding, "We are continuing to develop various robot and automation solutions with the goal of becoming a company that provides full-cycle smart factory solutions."

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Cover Story

Skin Diagnostic Devices

[INQ. NO. 2603E11] PSI Plus Co., Ltd. is an R&D-focused company that develops and manufactures skin diagnostic devices that quantitatively analyze skin conditions based on image-processing technology. Through technical collaboration with PSI Co., Ltd., which has accumulated expertise in the field of optical instruments, PSI Plus continues to introduce skin diagnostic solutions suitable for professional environments such as hospitals, dermatology, plastic surgery clinics, and cosmetic research laboratories.

PSI Plus's skin diagnostic devices capture facial images using four different light sources and analyze a total of 14 skin parameters based on the acquired data. These devices are primarily used in medical institutions, skin clinical evaluation centers, and cosmetic development and marketing environments. Recently, the company has been advancing its technology toward providing personalized diagnostic solutions by accumulating and analyzing data on age-related skin changes.

In the domestic market, more than 2,500 skin diagnostic devices have been installed, demonstrating high utilization rates particularly in hospitals and dermatology clinics. This extensive real-world usage base enhances technological credibility, and has led to collaborations with numerous domestic cosmetic companies. Sales have shown steady growth, with the proportion of overseas revenue also gradually increasing.



Its current flagship product, 3D Meta-Vu, is a 3D skin analysis system equipped with full-spectrum LED light sources, enabling three-dimensional analysis of facial

contours and skin conditions with a single capture.

By combining the strengths of existing 3D scanning equipment and facial-skin analyzers, this device is designed to simultaneously identify volume changes and skin problems while capturing images in a light-blocking environment. It enhances the reliability of before-and-after comparisons of subtle skin changes, making it ideal for consultations for various procedures, including laser, filler, and botox.



MARK · VU

PSI Plus's Mark-Vu is a premium professional skin analysis device that delivers uniform image quality across diverse environments through its LED light sources and polarized filter in-out system. Based on proprietary resolution algorithms and analysis logic, it precisely evaluates the state of pores, sebum, pigmentation, and blood vessels. The placement of the capture button on the top of the device enhances both ease of use and reproducibility.

PSI Plus's Line-Vu is a model designed with space efficiency and accessibility in mind, making it suitable for use in skincare rooms and small clinics. While retaining core

A Selection of Competitive Export Items

analysis functions, it provides an intuitive user environment, expanding its applicability beyond medical settings into aesthetic care fields.



PSI Plus has applied Dark Skin Analysis Logic capable of analyzing a wide range of skin tones, enabling effective use in markets with a high proportion of darker skin tones, such as the Middle East, Latin America, and Africa. In addition, PSI Plus is increasing understanding during the consultation stage through virtual laser treatment simulation, and wrinkle and pigmentation change prediction functions.

PSI Plus supplies its products to multiple countries including the United States, Japan, France, and India, and is expanding global partnerships through participation in major international exhibitions such as MEDICA, Arab Health, and Hospitalar. Looking ahead, the company plans to further

strengthen localized solutions with a focus on Brazil, the Middle East, and Europe.

PSI Plus is expanding its skin analysis technology beyond diagnostic devices into data-driven medical and aesthetic solutions, continuously advancing product development that reflects diverse skin characteristics and market demands. Through these efforts, the company is gradually enhancing the global competitiveness of Korean technology in the skin diagnostics market.

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Cover Story

Cloud-based EMR/CRM Integrated Solutions

[INQ. NO. 2603E12] TNH Co., Ltd. is a healthcare IT company that has focused on addressing the structural challenges in healthcare. Since its founding in 2008, TNH has focused on developing specialized hospital software and has consistently provided solutions tailored to the hospital operating environment, focusing on cloud-based EMR and CRM.

TNH's unique strength lies in expanding its solutions beyond simple electronic chart provision to encompass the entire hospital workflow, encompassing reservations, treatment, consultations, payments, insurance claims, and post-mortem care, all within a single system.



Its VegasCRM is a cloud-based EMR/CRM integrated solution for dermatology, aesthetics, and plastic surgery hospitals and clinics. It is designed to integrate not only medical record management but also reservations, customer management, and insurance claims into a single system.

Real-time status boards, treatment room status boards, and a smart reservation system allow for a comprehensive overview of hospital operations. It also offers customer management through point payment and deduction functions, and pick-up desk-based treatment distribution and



statistics. The reception and consultation function using tablet charts is also a factor that increases field usability.

TNH's HanChart Cloud is a cloud-based electronic chart solution designed specifically for the environment of Oriental medicine clinics. It supports stable hospital operations without space or equipment constraints. It also features enhanced features specific to Korean Oriental medicine clinics, such as beauty treatment image storage, CRM functionality, kiosk (HIOSK) integration for registration, and certificate issuance.



Furthermore, TNH plans to gradually introduce a solution with enhanced field usability and mobile scalability via the tablet-based medical app Mediclo. Through these initiatives, TNH aims to more organically connect EMR and CRM-based hospital operating environments and continue its role as a technology partner that reduces actual workloads in the medical field.

Currently, TNH's solutions are used in over 3,000 hospitals and clinics nationwide, with over 15,000 medical professionals and hospital staff utilizing them in real time on average daily. TNH continues its steady growth, with revenue of KRW 5 billion in 2022, KRW 6.2 billion in 2023, KRW 8.1 billion in 2024, and KRW 9.2 billion in 2025. This success is attributed to long-term customer retention and solution reliability.

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Portable Cooling Device

[INQ. NO. 2603E13] ICE LINKER Co., Ltd., a spin-off company of Samsung C-LAB, recently introduced the world's first portable cooling device, Ella Thera, which can cool the skin to -10°C.

Ella Thera is a portable, two-in-one device that cools to -10°C in under 100 seconds. The temperature and functionality can be freely adjusted to suit a variety of individual needs.

The company emphasizes that the skin cooler function cools the skin and relieves pain and swelling, while the warming function relaxes muscles and promotes blood circulation. The device's unique dual function, combining cooling and heating, allows for massage and skin care anytime, anywhere.



ICE LINKER confirmed its necessity and excellence through such various events as the Tokyo Show in Japan, the Innotech Invention Competition in Taiwan, and KIMES in Korea. Ella Thera is scheduled to be marketed as a medical device starting in 2026.

ICE LINKER is currently jointly developing various products utilizing its rapid cooling technology with mid-sized and large companies, and plans to sequentially introduce a lineup of approximately 30 products to the market. Through this, the company aims to become a specialized cooling technology company that addresses heat-related discomfort.

ICE LINKER inherited Samsung Electronics' innovative culture and was born from a recognition of its future potential. ICE LINKER is a leading company driving innovation in the global market through cutting-edge digital cooling technology. Based on its innovative solutions and technological prowess, the company delivers quality and

service that exceeds customer expectations.



ICE LINKER is a company born from Samsung Electronics' DNA of innovation, and is recognized for its future potential. It is a leading company driving innovation in the global market through cutting-edge digital cooling technology. Based on its innovative solutions and technological prowess, ICE LINKER delivers quality and service that exceeds its customers' expectations.

ICE LINKER aims to address heat-related issues across various sectors, including people, objects, and society, utilizing its digital cooling technology. Currently, ICE LINKER has developed and mass-produced one medical product and two wellness products by using its rapid cooling technology.

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The EASYLab sound vibration mattress non-chemically activates the body's immune system, inducing the theta state necessary to fall into a sleep.

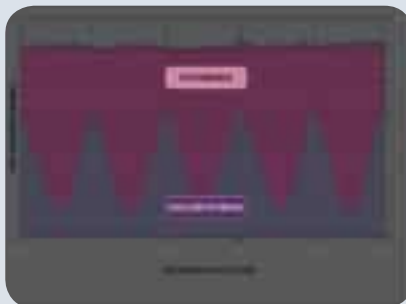
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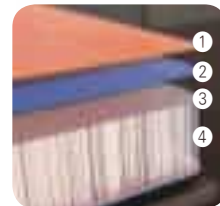
Soft pink noise with delta



Soft white noise

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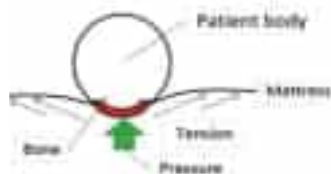
EASYLAB Sound Vibration Effect



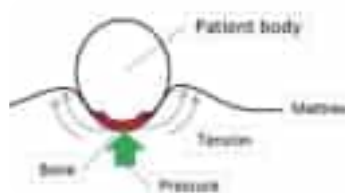
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Hammock effect & balloon effect occurred



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You can take it with you on your trips.

INQ No. D1071

3-in-1 MagSafe Stand

Isn't it frustrating to use multiple chargers for your phone, watch, and earphones?

Let me introduce the 3-in-1 MagSafe Stand, which solves all these inconveniences.

You can simply place your devices on it to charge wirelessly. If you're an iPhone user, just attach your phone with MagSafe and enjoy watching videos while it charges.



It's compact, so it easily fits in your bag.





MagSafe Wireless Charging Car Mount

Say goodbye to those inconvenient mounts that require you to use your hands while driving to open and attach.

Now, here is a convenient and easy-to-use mount that attaches with MagSafe.

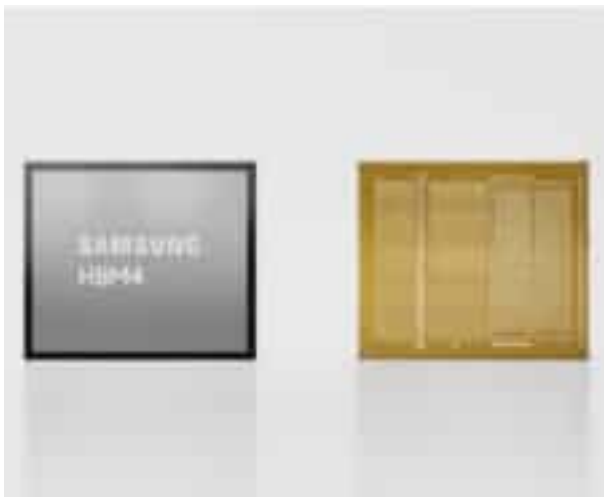
Its strong magnetic force keeps your phone securely in place, even when you make a sudden stop or a sharp turn while driving.



February's Exports Hit Record-High Amid Semiconductor Boom

Fueled by the semiconductor boom, Korea's exports in February increased by nearly 30%, recording the highest February performance ever.

According to the Ministry of Trade, Industry and Energy (MOTIE), Korea's exports in February reached \$67.45 billion, a 29.0% increase from the same month last year. This is the highest February performance ever. This significant increase was achieved despite three fewer working days than last year due to the Lunar New Year holidays. Record monthly export performance has been recorded for nine consecutive months since June last year.



Semiconductors were the driving force behind Korea's exports, reaching \$25.16 billion in February, a 160.8% increase compared to the same month last year. This is in fact the highest monthly figure ever recorded. Semiconductor exports have remained above \$20 billion for three consecutive months due to excess demand stemming from increased investment in artificial intelligence (AI), and the resulting surge in memory prices.

In February, only five of Korea's 15 major export

items, including semiconductors, saw an increase in exports. Computers, wireless communication devices, ships, and biohealth were these items that saw export growth. Conversely, exports of automobiles and auto parts declined due to the Lunar New Year holidays. Exports of general machinery, petrochemicals, and steel also saw declines.



By region, exports increased in seven of the nine major export regions. Exports to the United States reached \$12.85 billion, a 29.9% increase, marking the highest February performance ever. Exports to China also increased by 34.1% to \$12.75 billion due to higher demand for semiconductors.

South Korea's imports in February reached \$51.94 billion, a 7.5% increase from the same month last year. This resulted in a trade surplus of \$15.51 billion. The trade balance increased by \$11.55 billion year-on-year, reaching a record monthly high. The monthly trade balance has remained in surplus for 13 consecutive months since February of last year.



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- Lens: PMMA
- Body: ABS
- Size: 270 × 70 × 27mm
- Voltage: 12V / 24V



A Complete Guide to Cherry Blossom Season in Korea

A Bloom That Travels North



Every spring, South Korea undergoes a breathtaking transformation. Millions of cherry trees — known locally as beot-kkot — burst into bloom, turning roads, riverbanks, palace grounds, and temple paths into corridors of pale pink and white. For 2026, forecasters have identified an earlier-than-usual season, with blossoms expected to arrive approximately three to eight days ahead of historical averages due to evolving climate patterns. The bloom begins in the south and moves steadily northward, giving travelers the rare opportunity to follow the season across the entire peninsula.

Where the Season Begins: Jeju Island

The cherry blossom journey starts on Jeju Island, where the first blooms are expected around March 22. Jeju is the primary habitat of the native King Cherry tree — a species distinct from the more widely known Somei Yoshino variety — and the island's festivals celebrate this indigenous tree as a symbol of Korean identity.

Top viewing spots include Jeonnong-ro in Jeju City, a 1.2-kilometer road closed to vehicles during the festival period to allow pedestrians full immersion under a dense canopy of mature trees. The entrance road of Jeju National University offers a slightly later bloom due to its elevation, while Jangjeon-ri in Aewol-eup is celebrated for its evening illuminations that highlight white petals against the dark volcanic landscape. Hallim Park adds a dramatic geological element, pairing the delicate blossoms with lava caves and volcanic stone formations.



The Southern Coast: Festivals on a Grand Scale

The southern coastal region hosts Korea's most celebrated spring festivals. Jinhae, a city that is home to more than 360,000 cherry trees, holds the Jinhae Gunhangje Festival — the largest spring celebration in the country, drawing over 2.6 million visitors annually. In 2026, the festival is expected to run from March 27 to April 5. Originally established in 1952 to commemorate Admiral Yi Sun-sin, the event now blends military heritage with floral tourism. The iconic Yeojwacheon Stream, with its "Romance Bridge" and water reflections, and the photogenic Gyeonghwa Station — a retired railway track lined with mature cherry trees — are among its most beloved spots.

Nearby Busan offers a coastal counterpoint, pairing cherry blossoms with seaside views at Dalmaji Hill in Haeundae, where a winding path overlooks the East Sea. The city's peak bloom is projected between March 27 and March 31.

In Hadong, the Hwagae Cherry Blossom Festival centers on a roughly four-kilometer road connecting Hwagae Market to the ancient Ssanggyesa Temple, popularly called the "Wedding Road" after a local legend promising eternal love to couples who walk it together. Visitors are also encouraged to sample regional spring delicacies at the market.



History in Full Bloom: Gyeongju and Jeonju

Gyeongju, the former capital of the Silla Dynasty, offers one of Korea's most unique blossom experiences. The city is considered a living museum, and its 2026 peak bloom is forecast between March 27 and April 5. The Daereungwon Tomb Complex, with its grass-covered royal burial mounds framed by pink petals, creates a powerful sense of history meeting impermanence. Bulguksa Temple, a UNESCO World Heritage site, is known for its rare "double" cherry blossoms, which bloom slightly later than standard varieties, extending the season. Gyeongju also hosts a Cherry Blossom Marathon in early April, with courses ranging from 5 kilometers to a full marathon distance.

Further west, the Maisan Cherry Blossom Festival in Jeonju features a hiking trail leading to Tapsa Temple, and many visitors combine this with a visit to the historic Jeonju Hanok Village.

Seoul: Urban Cherry Blossom at Its Finest

Seoul's blossoms reach their peak between April 7 and April 14. The Yeongdeungpo Yeouido Spring Flower Festival draws crowds to a 1.7-kilometer Cherry Blossom Tunnel along the Han River, accompanied by live performances and evening illuminations. Seokchon Lake in the Jamsil district reflects blossoms on its calm surface against the backdrop of the city skyline.

Seoul's five grand palaces provide a more serene setting. Gyeongbokgung offers coveted Moonlight night tours, while Changdeokgung's guided walks through the Secret Garden include a traditional tea ceremony. Visitors wearing traditional hanbok clothing are typically admitted to the palaces free of charge. The E-land Han River Cruise also offers specialized cherry blossom cruises departing from Yeouido Pier, some featuring live jazz and evening fireworks.



Planning Your Trip

The optimal window for experiencing blossoms across the southern and central regions is March 25 to April 10. Travelers should book KTX rail tickets exactly one month in advance, as seats on popular routes sell out quickly. For Jinhae, which lacks direct KTX access from Seoul, organized shuttle bus tours departing from major Seoul hubs offer a practical alternative. To avoid peak-hour crowds, weekday visits and early morning arrivals — before 9:00 a.m. at major sites — are strongly recommended. Monitoring real-time bloom reports from the Korea Meteorological Administration can also help travelers adjust their itineraries as the season unfolds.



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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	44, 45
Other					
	KETI	(82-31)789-7000	www.keti.re.kr		47

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 downtime 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 results by minimizing thermal gradient.
Vessel Constriction	Temporarily constricts vessels to reduce redness, reducing inflammatory mediators and decreasing 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.