

ELECTRONICS

^{Korea}
Buyers Guide

Electric • Info & Telecom • Computers • Industrial & Consumer Products • Parts

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04

April 2023
(Issue 586)

Korea's Export Items Gaining Popularity Globally

Introducing Selected Exporters

Maximize your D2C Business Growth I-ON's E-Commerce Platform

- Easy & Fast Online Store Building
- Efficient Content Management
- Data-Driven Personalized Marketing Campaign
- Low-Code & MSA-based Platform



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KOREA

14 – 17 June 2023

BEXCO – Busan Exhibition &
Convention Center, Busan, Korea

Korea Railways & Logistics Fair



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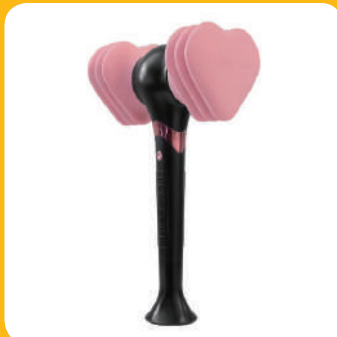


Summitree

Summitree distributes most of the K-POP records – not only the records of famous artists managed by top-tier Korean entertainment agencies, such as BTS, Blackpink, NCT, Straykids and TWICE, but also those of rookie artists managed by new and rising entertainment agencies. (Summitree has approximately 10,000 different records in its inventory.) Accordingly, Summitree can actively respond to demand not only for old records, but also for newly released ones.

Summitree satisfies various needs of its customers by distributing various goods of the artists, such as light sticks, photo cards, stickers, and calendars – also at reasonable prices through an efficient delivery service.

The company is planning to produce a wider range of merchandise by entering agreements related to the intellectual properties of entertainment agencies. Summitree plans to become a company that can deliver various attractions and fresh enjoyment to the K-POP fans of the world by creating new demand for K-POP merchandise through its marketing activities via social media.





Hanteo Chart



Circle Chart



Copyright OK Certi.

Certification

Hanteo Chart and Circle Chart are the two most well-known K-POP record charts with a long history.

K-POP fans consider their record purchases being reflected in the two charts to be very important. So, the numbers of records sold by Summitree are reflected in both Charts, which is a feature that differentiates Summitree from other distributors.

Also, Summitree holds certificates issued by Korea's Ministry of Culture, Sports and Tourism and the Korea Copyright Protection Agency, Copyright OK (certificate number: N2002M006), which certifies that Summitree is legally entitled to sell, distribute, or use the works. Customers can thus rest assured that they are buying the genuine products when they buy from Summitree.

Fulfillment & International Shipping

Summitree has established a stable fulfillment and delivery system by working with global logistics companies, such as Lotte Global Logistics (13 local entities and 13 local branch offices in 14 countries) and Qxpress (28 local branch offices in 17 countries), to efficiently manage various items in the inventory, and efficiently deliver the products to customers all over the world.

Also, Summitree offers its customers various options in terms of price and delivery period, as it uses international courier services, such as DHL and FedEx, plus local mail services offered by USPS (USA), Royal Mail (UK) and Japan Post (Japan), and delivery service offered by Maersk E-commerce Logistics.

Based on such competitiveness in logistics, Summitree is able to deliver various products quickly and accurately to any customer in the world. Summitree is a company that wins trust from both B2C and B2B customers by continuing to work with its logistics partners both within and outside Korea.

Summitree Partnership



LOTTE GLOBAL LOGISTICS



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[INV. No. D1007]

Distribution Center: 16, Arayuk-ro 230beon-gil, Gochon-eup, Gimpo-si, Gyeonggi-do, Republic of Korea

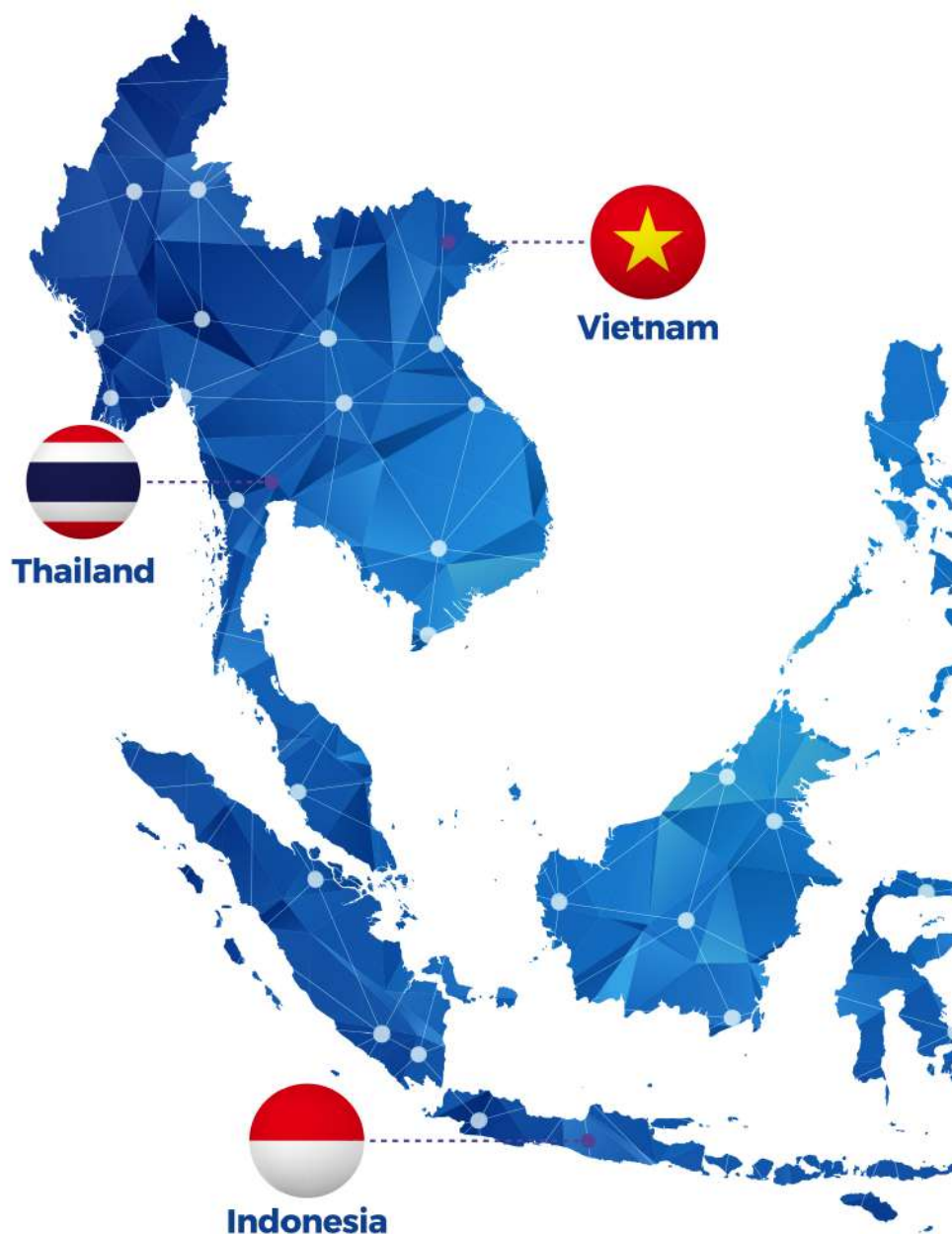
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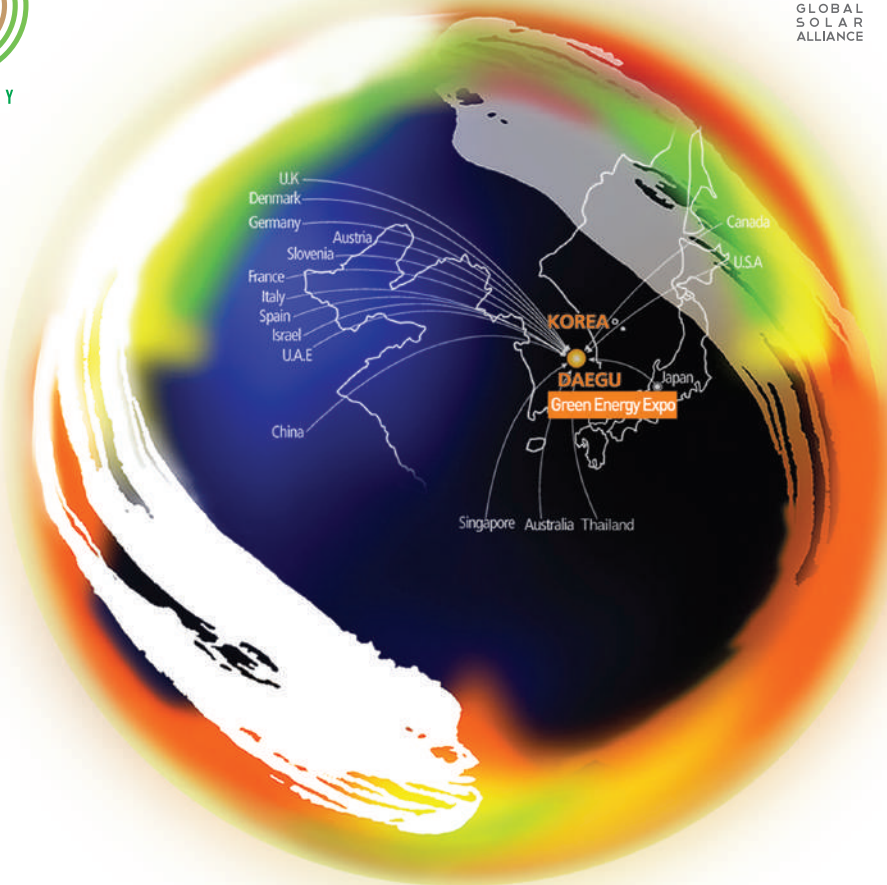
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Beyond Green Energy

To the future of new & renewable energy



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International Green Energy Expo & Conference 2023

GREEN ENERGY EXPO

PV · ESS · Battery · WP · FC · Smart Grid · Renewables

April 12th (Wed) ▶ 14th (Fri), 2023 • **exco**

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 Korea New & Renewable Energy Association Korea Wind Energy Industry Association
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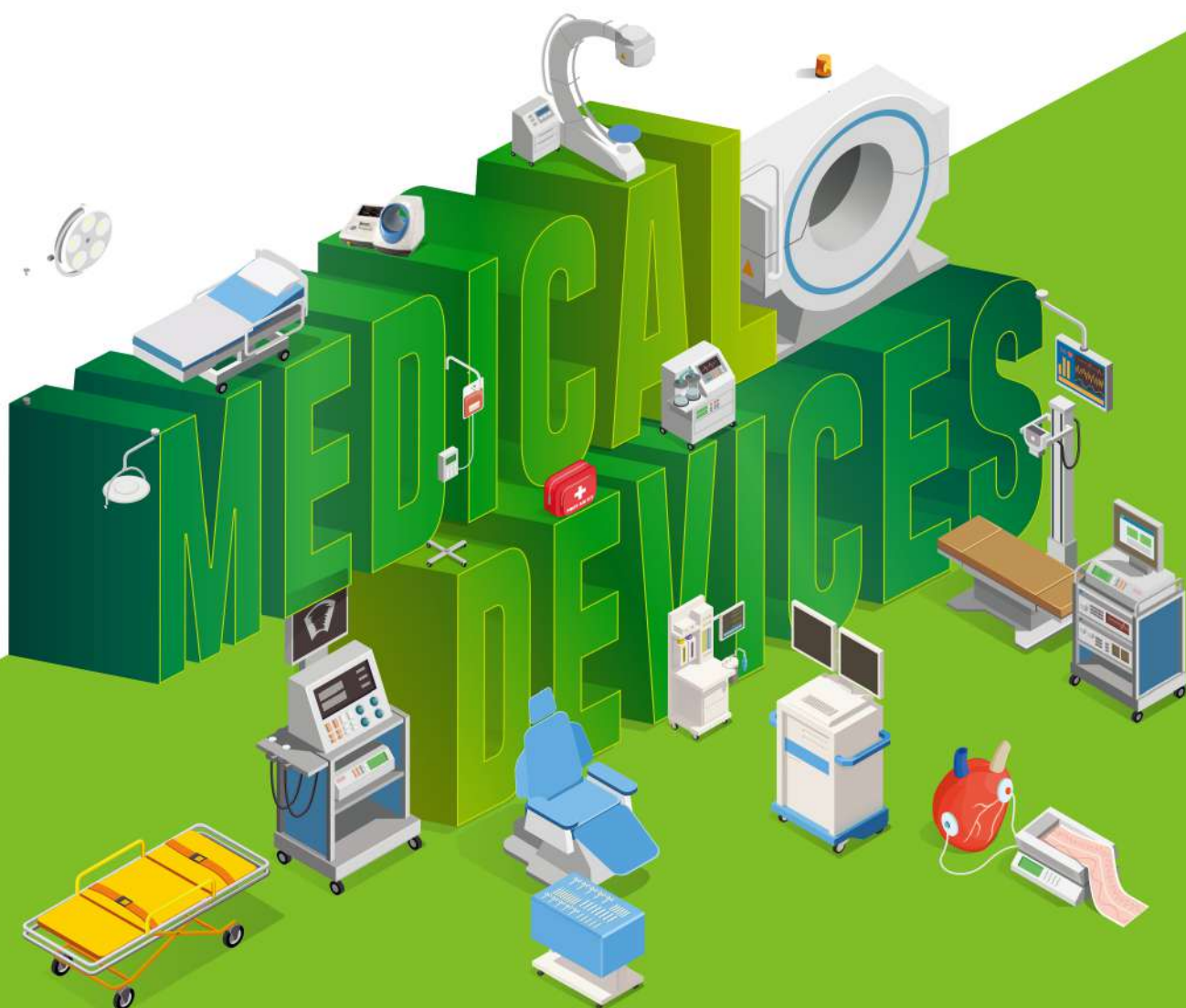




K Med Expo Vietnam

2023. 6. 15 (Thu) ~ **17** (Sat)

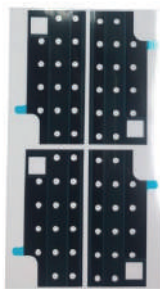
📍 **SECC, Ho Chi Minh, Vietnam** (Hall B1)



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JINYOUNG INNOTECH

Jinyoung Innotech is a modest giant in materials and parts with a leading technology in die-cut companies that create products with flawless performance to meet customer requirements by implementing its own design technology for electrical, electronic, and information communication related products.



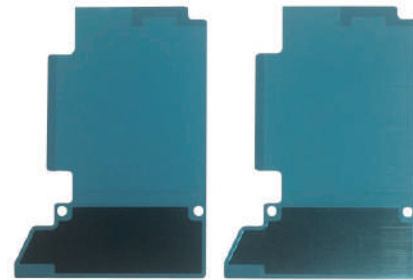
Cushion Tape



Screen Back Tape



Protective Film



Graphite Tape

Area of product application

Light blocking tape



- BLU related product module Light escaping prevention and blocking purpose.
- Display and mobile phone LCD optical source, back light scattering prevention
- Black & White plane design for improved brightness and minimal light refraction

Inflammable tape



- Highly non flammable and eco-friendly product that can prevent danger of fire caused by the hot electronic products
- Battery's internal material and finishing, battery's internal insulation and finishing

Battery tape



- Internal finishing and insulation inside the cell
- Tape to meet the heat resistivity and insulation requirements for mechanics and battery fixing and so on

Surface protection tape

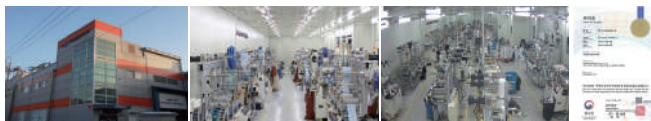


- Surface scratch prevention such as acryl, metal and so on
- Surface protection for conveyance External pollution prevention as there is no leftover after using the product

Heat conduction and sheet



- For heat discharging and impact alleviation for IC, TCP circuits
- Prevention of damages due to heating of CPU, TR, semiconductors, and precision devices and so on.



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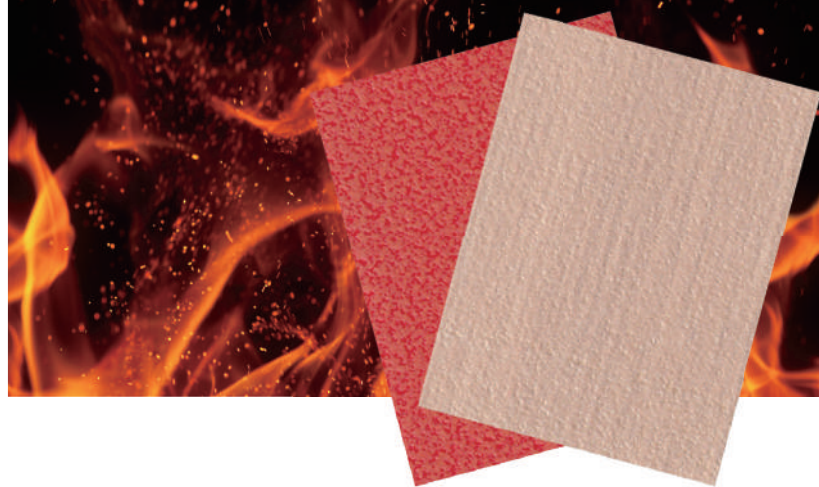
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PLANT : 2floor 75, Block B, Sector 80, Noida, Uttar Pradesh, INDIA 201305

Fire extinguishing assisting sticker



One – Sheet Type (75x105mm, 1pc)

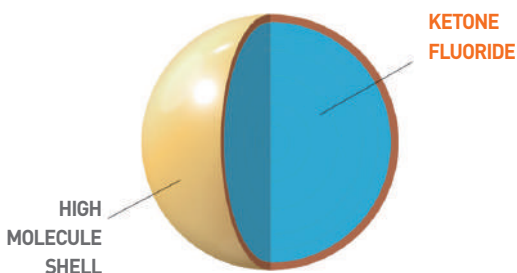
A sticker that can be cut and fitted to a part according to use

TECHNOLOGY AND PRINCIPLES

Nano technology

It was developed as a film coated with a special pigment consisting of a high molecule shell used for high-performance fire-extinguishing agents and microcapsules (size: 50~500μm) filled with nano-ketone fluoride. The matrix filled with this special pigment helps to extinguish the fire at an early stage by automatically releasing the extinguishing agent in the event of a fire.

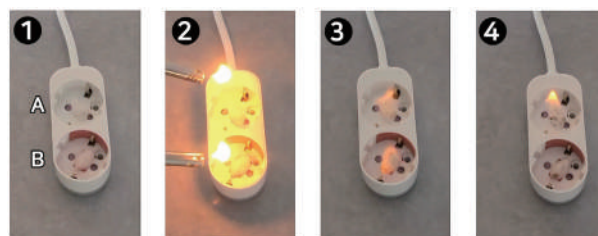
MICRO FIRE-EXTINGUISHING CAPSULE



KETONE FLUORIDE

A synthetic organic material that is 1.6 times heavier than water and does not conduct electricity

SFF STICKER TEST



A: Nothing is attached
B: SFF sticker is attached

Put cotton soaked in alcohol on A and B and light a fire at the same time.

Right after fire breaks out.

While the fire on B with a safe from fire-sticker is extinguished within about 3 seconds, there is still a fire still on A.

USAGE NOTES

If you scan the QR code, you can check more experimental videos.



ONE
INTERNATIONAL



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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 April.



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GRONIQ^o

Next Generation Heating Solution

'GRONIQ' is a "high efficiency and eco-friendly" heating element that is more energy efficient than conventional heating elements and does not emit carbon when heating.



Rapid heating



Ultra-high
temperature
heating



Eco-friendly



High efficiency

PRODUCT



GRONIQ (Microwave Type)

- Quick heating to ultra-high temperature in response to the electromagnetic waves in the air
- For stability, it is provided in a form that SiC fiber, the raw material, is stored in Quartz ware.

Product type Circle and bar types



GRONIQ (Electric Type)

- Quick heating to ultra-high temperature in response to the current in the air
- For stability, it is provided in a form that SiC textile, the raw material, is stored in Quartz ware.

Product type Bar type



Applied Products

- Various applied products which use GRONIQ as the heater
- Low power consumption, compared to other ordinary metal and non-metal heater. Installed in a cartridge box, it helps easy and simple maintenance.

Product type Dental furnace, dryer, hot air blower, electric stove, and other heating system

Make-to-order support Customized production service to meet customers' specific requirements



www.daeoint.co.kr

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INO No. F297

GRONIQ's exceptional heat performance will give your product a competitive edge.



Mam
Air Purifier



It contains the mother's heart to protect her children's healthy lives from the harmful environment such as ultra fine dust.

Filter of luxury brand X The most cost-effectiveness air-purifier

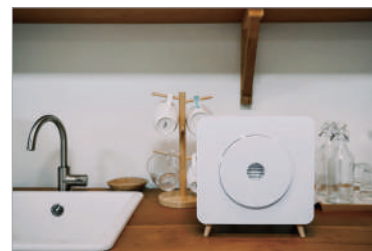
The era has come when it is hard to breathe for many reasons, such as environmental pollution and fine dust.

Aiwanatech understands your mind.

Our air purifier is the first in the world to check the degree of filter contamination in real-time through windows, making filter management more convenient.

In addition, for the first time in the world.

It is designed to be used with automobile air conditioning filters guaranteed by luxury automobile brands. It is the best price-performance product that eliminates the dependence on a dedicated filter.





The four keys to humidifiers are: Safety, humidity, sterilization, and stainless steel



Existing ultrasonic humidifiers could evoke the growth of "Schudomonas" bacteria that cause pneumonia, which might lead to discomfort or even sickness during use. Heating spray is the best way to prevent the growth of bacteria.

MAMCARE has a low-noise, fast-heating method that does not cause rust, using 304 stainless steel material, a 100% safe material easy to be cleaned and prevent contamination.

The PP parts through which water vapor passes are excellent in heat-resistance and can be used in safety without worrying about harmful environmental hormones.

Easily washable with water & proper management

No matter how clean the water is, bacteria can be inhaled if it is not washed. MAMCARE has completely separated parts. Thus it is easy to wash the humidifier.

It is for

- Pregnant women and newborn babies who need safe humidifiers
- Persons who are sensitive to noise and look for quite products.
- For those who need moisture in the dry air of winter
- Those who seek a humidifier that is easy to clean
- Those who need safety for children or pets

Now you can use an eco-friendly humidifier, MAMCARE semi-permanently.

Ventilation System

[INQ. NO. 2304E01] Unlike other existing air purifiers, which are inadequate for removing carbon dioxide and droplet concentration, the ventilation system developed by Himpel Co., Ltd. works on the principle that indoor pollutants are discharged to the outside, while outside air is introduced into the room through a filter system.

Even with the windows closed, ventilation that is similar to the level of natural ventilation is possible. Moreover, air quality can be provided to each room with only one diffuser, and filter management is also a simple process, so you can practice ventilation more easily and efficiently.

As a leading supplier of ventilation systems in Korea, Himpel provides customized ventilation systems for people's different lifestyles. Breaking away from the existing ceiling types, Himpel diversified its product lines to include standing, window-mounted, and cassette types. The built-in high-performance filter system not only removes ultrafine dusts, various odors, and harmful gases, but also has a 99% virus sterilization function — thus enabling a higher level of indoor air hygiene.



Eco-friendly product featuring heat-recovery technology



Himpel's ventilation system is an eco-friendly product featuring heat-recovery technology that reduces energy-loss from cooling and heating during ventilation. It can recover more than 71% of heating energy in winter, and more than 52% of cooling energy in summer, and users can thus save up to KRW one million per year than natural ventilation. As these days when heating costs are constantly rising, it is the perfect alternative for an economical ventilation.

Now, ventilation not only circulates air, but also saves energy, and allows people to enjoy a healthful daily life.

A spokesperson for the company explained, "With the ventilation system, fresh air is possible without opening a window; and 99.97% of the fine dust in the coming spring can be removed. People are

advised to check their aging filters and products according to the replacement cycle as many houses have ventilation systems already installed due to the mandatory installation regulations from 2006."

• Himpel Co., Ltd.

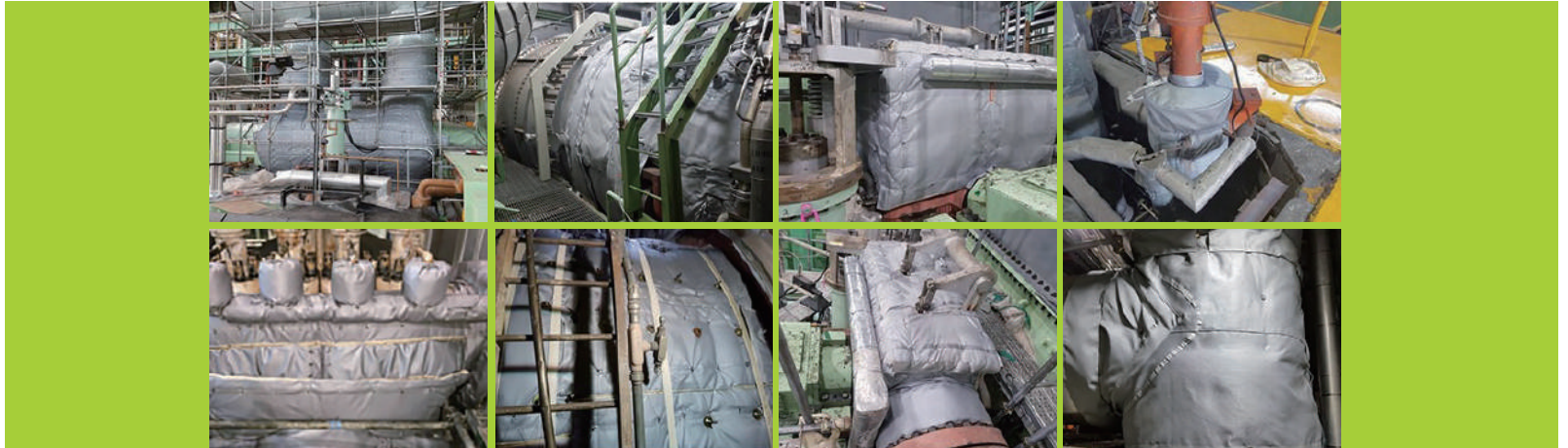
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E-mail: sales@himpel.co.kr

Website: www.himpel.co.kr

Eco-friendly Heat Insulation Material



The 4R insulation blanket is the company's eco-friendly heat-insulating material, which protects various kinds of high-temperature products such as pipes, flanges, valves, and turbines from outside environment. It delivers superior capacity in tackling temperature loss and in freeze protection, and in the prevention of workers safety accidents.

This product is manufactured into an all-in-one of interior and exterior materials on existing equipment or devices in order to ensure resource saving and economical energy use, thereby enabling easy installation and breakup for operators and permitting recycling. Recently, Ecopowertec has taken a step forward for fire safety by developing a new insulation material that can extinguish fire and prevent flame spread. Toward becoming a world-class company in the field, Ecopowertec is serving its customers with innovative technology and superior quality products through ceaseless technology development. And also Ecopowertec is expanding the selling route of its products into both domestically and overseas.

We provide excellent products and services to our customers based on innovation and challenging spirit. We will do our best to become a company that provides greater satisfaction.



Ecopowertec Co., Ltd.

A 911, 12, Dongbu-ro 169beon-gil, Jinju-si, Gyeongsangnam-do, Republic of Korea

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Digital Oral X-Ray System for dental diagnosis



Portable x-ray
WIN X

- **Brand** : WIN-X Portable x-ray
- **Model** : WIN-X
- **Feature** : Intra Oral X-Ray System
for Dental Diagnosis
(Portable X-Ray)

- **Digital Portable x-ray** :
KV : 70kV
mA : 2mA
Exposure Time : 0.01~1.3sec
Focus : 0.4mm * 0.4mm

- **Specification**
Type : High frequency inverter
Total Filtration : 1.6mmAL
Battery : dc 11.1v 50/60hZ
Battery Charger : ac 100~240v
Weight : 1.60kg +- 5%
Anode Angle : 19



WINWIN KOREA
DIGITAL TECHNOLOGY

WIN WIN KOREA CO., LTD. [INA No. N607]
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VALKIDA Co., Ltd.

INQ No. F296

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Korean Exports Aiming to Enhance Their Global Market Share

South Korea's export slump continued in March. The trade deficit accumulated through March 20 this year was US\$24.1 billion. This is 50.4% of last year's trade deficit (US\$47.8 billion), which was the largest on an annual basis.

The sluggish exports are expected to continue throughout the first half of this year. A government official said, "Export conditions will continue to be difficult for the time being due to the impact of the global economy and falling semiconductor prices."

Korean promising exporters from the existing global export leaders to export beginners in various areas, under tough conditions for exports, are creatively knocking on the doors of promising global markets.

An artificial intelligence (AI) startup, Wayne Hills Bryant A.I, which has introduced more advanced video generation AI technology and related solutions at CES 2023, the world's largest home appliance and IT exhibition, is strengthening its position in the global market by bolstering its Text To Video (TTV), and Speech To Video (STV) Video) services.

Intertec, established in 1999 as a company that possesses core technology for home appliances, is actively pioneering global markets, with its advanced tankless bidet KLLOM, a direct water-type instantaneous heating bidet that cleans the washing areas in bathrooms with warm water, without using tissue paper, and then dries it with warm wind.

CUCKOO Electronics is expanding its product lineups in various fields to include induction ranges, air fryers, other small kitchen & home cafe appliances, and pet appliances.

CUCKOO Homesys continues to strengthen its position as a comprehensive appliance company with international branches in various countries, including Malaysia, Brunei, and India.



Robot for Oil-Water Separation

[INQ. NO. 2304E02] The huge amount of oil-contaminated water generated during crude oil extraction is the biggest headache for oil-producing countries and oil companies. In the meantime, there was no sharp purification method other than removing the contaminated water in small amounts with an absorbent cloth. As a result, there are dozens of huge polluted water storage ponds in the Middle East that are left unattended with a mixture of water and oil.

As such, domestic venture companies that have dramatically solved the neglected oil pollution problem are attracting attention in the global market. It is eco-friendly technology that separates and recovers water and oil. It can so dramatically purify oil-contaminated water discharged during crude oil or shale gas mining that keen attention from oil producing countries in the Middle East and North America are continuing.

Oh Gye-dong, CEO of OZ Sepa, a start-up that manufactures oil-water separation nano filters, explained, "When black oil is floating in rivers or seas, technology and equipment that magically separates and recovers only oil are available in Gulf Cooperation Council (GCC) countries. We are receiving great interest and are discussing product supply."

OZ Sepa is a startup established in 2017 based on patents acquired through technology development with KAIST for about 12 years from 2006. It developed a filter material that directly separates oil and water and succeeded in mass-producing it in 2021.

Expectations are high for full-fledged exports in the future. OZ Sepa was invited by the United Arab Emirates (UAE) state-run oil company ADNOC and introduced its company and demonstrated its products at the Adnoc headquarters in Abu Dhabi in February. At the demonstration, OZ Sepa introduced the world's first nano-oil separator, a membrane, and a fully automatic large-capacity oil recovery robot 'Oil Skimmer' using it.

At ADIPEC held in Abu Dhabi in October last year, the robot monopolized

the attention of Aramco, Saudi Arabia's state-run oil company. Recently, inquiries are continuing to come in from the North American market that produces shale gas.

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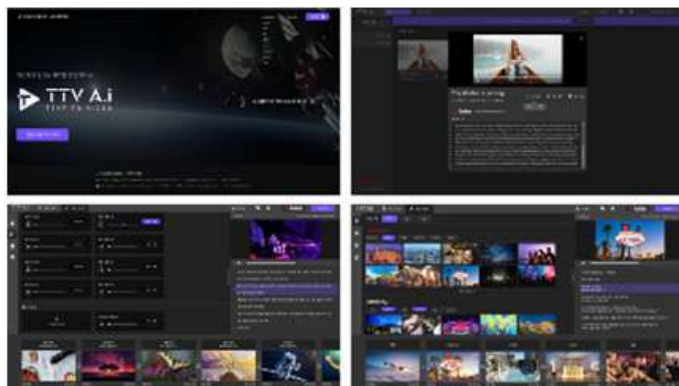
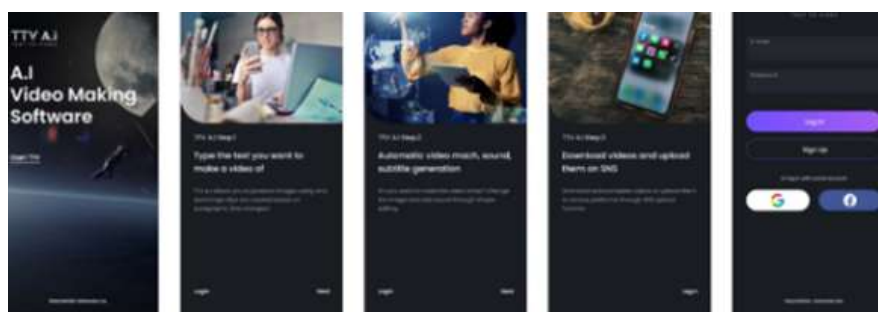
TTV (Text To Video) A.I

[INQ. NO. 2304E03] TTV (Text To Video) A.I is a SaaS solution that automatically converts text data into video by using A.I. Based on machine learning and natural language processing, it automatically converts text inputted into video.

Regardless of the type, content, or length of the text, it is possible to understand and grasp the context of the full text, so not only texts written by humans, but also papers and essays written by Chat GPT can be made into videos.

The TTV/STV (Speech To Video) service recommends videos based on keywords. Through the method of what kind of word class the keyword has, the appropriate word class that has a key meaning in the sentence structure is applied to the process of the video recommendation.

In other words, it is theoretically possible for another AI to make a video by utilizing text written by AI. In fact, it is being used through contracts with various industries such as media companies, securities companies, trade associations, etc. — and customized videos are supplied according to the purpose.



Multilingual services are available

Currently, Korean, English, Spanish, Chinese, Japanese, German, and Vietnamese languages are available, and Wayne Hills Bryant A.I plans to add French, Hindi, and Arabic. When requesting an additional language within the service that fits the tone and manners of the country and company, it takes two weeks to learn and apply.

In addition, as competition in the search engine market centered on big tech is heating up, the company plans to stand out in the industry with its unique technology.

Previously, Wayne Hills registered its TTV service in Microsoft Azure Marketplace in September last year.

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Tankless Bidet

[INQ. NO. 2304E04] Intertec Co., Ltd. was established in 1999 as a company that possesses core technology for home appliances. It succeeded in modularizing the patented instantaneous hot water control technology that instantly adjusts the flowing water to the desired temperature without a storage tank. The modularized technology can be continuously used.

Intertec produces the world's first instantaneous hot water module for water purifiers, instantaneous heating bidet for bidets, and an instant hot water module for hand washers.

Intertec's tankless bidet KLL0M is a direct water-type instantaneous heating bidet that cleans the washing area in the bathroom with warm water without using tissue paper and then dries it with warm wind.

Energy is consumed instantaneously only when all products are used as an instantaneous heating bidet, which can save up to 63% of energy compared to hot-water bidets. It is very hygienic because there is no need to worry about waste and contaminated water by using direct water without a water storage tank.



Tankless bidet with smart care function



It is possible to wash in a sitz bath at the same temperature for up to five minutes at one time, so pregnant women and people with anal diseases can use it very beneficially. The smart care function allows the bidet to automatically set the warm water temperature, seat temperature, and drying temperature so that even children and the elderly who are not accustomed to temperature control can use it conveniently.

Rhythmic massage improves bowel movement by massaging water pressure and warm water temperature in five stages. When it gets dark, the light automatically illuminates the inside of the toilet bowl, making it convenient to use the bidet.

As for the function for children, the nozzle length, water pressure strength, warm air temperature, etc., are operated according to the child's body shape and constitution. The attached RF-type touch remote control allows it to be used smoothly and quickly, and the battery life is more than two years on average. The waterproof rating has been raised to IPX5 to enable water cleaning.

Intertec also develops and assembles PCBs with abundant technology. Intertec produces automatic cleaning valves for urinals and hot water mat boilers as OEM/ODM.

INTERTEC

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Surgical Medical Robots

[INQ. NO. 2304E05] CUREXO, Inc., the No. 1 surgical medical robot company in Korea, is currently developing and selling three types of surgical medical robots. Korea's first spinal surgery robot 'CUVIS-spine,' artificial joint surgery robot 'CUVIS-joint,' and gait rehabilitation robot 'Morning Walk.'

Among them, CUVIS-joint was used for 4,000 surgeries at home and abroad last year, and Morning Walk proved its clinical value by its use in performing 40,000 treatments.

CUVIS-joint, which has already been launched in the Indian market, is also progressing well with plans to enter the U.S. market. This product is a system combined with 'T-Plan,' which is artificial joint surgery planning software of Think Surgical (TSI), a U.S. affiliate. It is scheduled to be sold in the U.S. market from 2024 under the product name 'TMAX.' The goal is to apply for approval from the U.S. Food and Drug Administration (FDA) in the first half of this year and receive approval at the end of this year. CUREXO will be in charge of system development and production, and TSI will be in charge of marketing and sales, including the FDA approval process.



robot will be developed for the first time in Korea that will be responsible for a significant part of surgery, from calculating a surgical plan to cutting, even with just one X-ray or computed tomography (CT) picture.

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According to industry estimates, the size of the surgical robot market reached about 12 trillion won last year. Of these, 76% were laparoscopic surgical robots. It is expected that the share of orthopedic and neurosurgery robots will increase to 30% while growing to the 20 trillion won level by this year.

Striving to develop AI surgical robots

CUREXO has recently signed a partnership with Microsoft (MS) of the United States, which has driven the artificial intelligence (AI) Chat GPT craze, to develop AI surgical robots.

It is expected that a method in which an AI

Kitchen & Pet Appliances

[INQ. NO. 2304E06] CUCKOO Electronics Co., Ltd. has been the most popular rice cooker brand for the past 24 consecutive years in Korea. At present, CUCKOO is expanding its product lineups in various fields to include induction ranges, air fryers, other small kitchen & home cafe appliances, and pet appliances.

CUCKOO is continuously focusing more efforts on diversifying its product lineup to meet the various needs of global markets.

To match the characteristics of each market, CUCKOO fine-tuned its technology according to local tastes. Taking into consideration the preferences of local consumers, CUCKOO continues to develop products that are equipped with customized functions, while maintaining excellence in design.



Rice cookers

Korea's No.1 rice cooker brand, CUCKOO, has pioneered the 'Dual-motion valve' & 'Twin Pressure' technology and is continuously investing in CUCKOO's 'Smart Algorithm' — a feature that brings out the best flavors in consideration of various customers' ages and lifestyles.



Induction ranges

CUCKOO presents premium quality induction ranges with an accumulated experience of over 41 years induction-heating control. Triple sensors detect the cookware and control the temperature more accurately, while the Wide-Flex Zone allows the use of various sizes of cookware. CUCKOO's multi-layered safety functions ensure the protection of users at all times.

Pet appliances

CUCKOO introduced the 'Pet Air Shower & Dry Room'. Developed with the consideration and help of animal behavior data, and pet trainer experts, the Nello Pet Air Shower & Dry Room provide a comfortable environment for your beloved pet.

CUCKOO

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Living Appliances

[INQ. NO. 2304E07] CUCKOO Homesys Co., Ltd. is one of the fastest-growing living appliance manufacturers in Korea. CUCKOO provides healthy and clean-living environments with its high-quality water purifiers, air purifiers, bidets, and many more products.

CUCKOO Homesys continues to strengthen its position as a comprehensive appliance company with international branches in various countries, including Malaysia, Brunei, and India.

Due to the COVID-19 pandemic, sales of sterilization-related products soared with growing concerns for hygiene in countries like Malaysia, the USA, etc.

While CUCKOO's international branches continue to grow, its market-specific product lineup and service network are also growing in line with its efforts to increase market share and expand its area of business. In particular, the slim design and ready-to-use boiling water features of the '100°C' water purifier launched in Hong Kong in the first half of 2022 has received significant attention. CUCKOO is working hard to further strengthen its product range and business strategies to solidify its position in the global market.



Water purifiers

CUCKOO's water purifier has won the Best-Tasting Water Award for three consecutive years, judged by national water sommeliers, and has been awarded the 'Grand Gold' trophy. CUCKOO leads the market by presenting its breakthrough automatic self-sterilization system and convenient DIY self-installation filters.

CUCKOO introduced its '100°C Boiling Water Purifier,' the first water purifier in the industry that dispenses boiling water. This function maximizes the flavor of foods and drinks that need to be consumed with boiling hot water, such as instant cup noodles and coffee.



Mode, an operating mode that saves power by minimizing the motor speed.

Air purifiers

CUCKOO produces various types of air purifiers that are suitable for living rooms, bedrooms, and cars. With CUCKOO's smart algorithm, the air purifiers can sense the surrounding air quality and automatically adjust the operation mode according to the user's needs. Furthermore, it is equipped with an energy-saving function called "Energy Eye." Many models also feature Eco

CUCKOO

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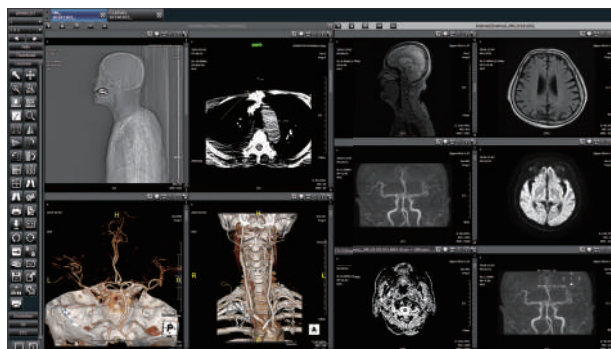
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Medical Image and Information Management Solution



[INQ. NO. 2304E08] With its medical image and information management solution, featuring the latest technology, ZeTTA PACS offers diagnostic-quality images and a full package of study information over enterprise-wide hospital networks. Based on long experience and proven technology, ZeTTA PACS is designed to satisfy the requirements for speed and stability of all users.

Regardless of mass data and images, one can use a high-speed and stable solution without time-wasting through any delays and buffering, so it will help minimize waiting time and enable one to start reading right away. It also provides full coverage of image management tools including image acquisition, storage,

displays and web distribution devices.

ZeTTA PACS is a powerful PACS and reporting solution, yet cost-effective. It enables any healthcare practice to efficiently perform diagnostic imaging, while providing end-users with access to the system anytime, anywhere.

With ZeTTA PACS, patient studies can be viewed from any computer at any of your hospital or from a referring doctor's office, and it also allows radiologists to read studies at any of your hospital, so it makes radiology workflow much more efficient and greatly reduces turnaround time for report dictation.

TaeYoung Soft's web-based technology is one of the most competitive, reliable, and scalable imaging solutions on the market today. With proven architecture and productivity-enhancing technologies, ZeTTA PACS provides unbeatable value such as intuitive, customizable, and personalized tools & layout, and efficient & various display methods (View, Add view, Stack view, Advanced view, etc.).

Medical image viewing application (ZeTTA Web & Mobile Viewer)

Moreover, the ZeTTA web & mobile viewer is a medical image viewing application with access to a central DICOM server that runs on mobile devices such as iPhone, iPad or Android OS embedded smartphone / tablet. Of special note, because the ZeTTA mobile viewer is developed by HTML5, it can be used at any OS such as i-OS and Android. It supports such functions as windowing, zooming, panning, measurement, cine play, and report viewing.



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Energy ICT Convergence Platform

[INQ. NO. 2304E09] SmartWatcher® is an energy ICT convergence platform used for solar PV generation monitoring systems and energy management systems.

It is used to monitor electric-energy generation and consumption status when installed inside and outside of houses or buildings.

As the platform is able to collect, analyze, store and send data by using a dedicated gateway unit and process data with remote servers, it is easy to establish and maintain the system in line with the onsite status of a power plant.

SmartWatcher® is an intelligent energy management system that allows efficient energy use, optimizes energy generation and consumption, reduces electricity costs and handles failures or emergency situations.

SmartWatcher® supports web-based real-time monitoring service. As a platform that provides mobile-based monitoring service, the product can be used via Android phones and iPhone terminals. In addition, it is equipped with an energy monitoring gateway unit.



Since its establishment as an M2M solution technology developer in Seoul in 2007, Hymatics has been so far providing monitoring services for commercial new renewable energy by controlling remote monitoring systems.

Hymatics is providing solutions for apartment-management companies, solar-power installation companies, homeowners and building-management companies for them to save and generate energy, and deal with failures.

The CEO of the company, Hyeong-seob Yoon, said, "We have recently acquired U.S. trademark registration as a specialized energy brand, and registered an American patent."

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Hymatics Inc. — as an energy IoT solution developer with expertise built up over 11 years in establishing integrated IoT systems for solar PV power plants — is well aware of how it should combine embedded solutions and IoT to provide commercial services.

Hymatics's expertise includes the development of servers, IoT devices, firmware, embedded software for wireless connectivity and applications used for 3G, LTE, and 5G communications.



Portable UV Sterilizer

[INQ. NO. 2304E10] NEOST, which is a brand of Korea Electronics Technology Co., Ltd. and has the meaning of 'New' and 'Best,' is a power-bank-embedded portable UV sterilizer that can simply complete its germicidal job within three minutes anytime and anywhere. To break the perception that sterilizers should be used only indoors due to their sizes and volumes, its sterilizer is made portable as it is manufactured slim and light in size.

As the product is tripod-shaped, any types of objects placed within the range of the tripod can be sterilized. And, it is also possible to widen the sterilization scope by extending the legs of the tripod. Anyone can easily and simply use the sterilizer as it starts working and automatically stops three minutes after the sterilization.

All that the user has to do is to place an object within the tripod and press the power button on top for sterilization. In addition, it can be used as a cradle and a camera tripod by attaching the head cap.

With three UV-C germicidal LED lamps grafted onto each of the legs, the sterilizer has enhanced germicidal power. Moreover, test results conducted by the nation's official test certification organizations including Korea Testing & Research Institute (KTR) and Korea Conformity Laboratories (KCL) show that it is capable of 99.9-percent sterilization.

The product is embedded with a large-sized power bank of 4,800mAh to be used for a long time. You can use it about 80 times on a single charge. If necessary, it can also be used as a secondary battery to charge smartphones. The charging efficiency has been improved thanks to the company's self-developed technology that enables fast charging. The company presents to customers its four-in-one product equipped with a sterilizer, a cradle, a tripod and a power bank.

Korea Electronics Technology Co., Ltd. continues to develop itself into a respected global company with its own convergence technologies with electronics and machines and mechanism-based smart devices.



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Samdo ATS

SAMDO ATS was found in 1991 and now located in Hwaseongsi, Gyeonggi-do, South Korea.

We have designed and produced EMI Shielding Electric conductive tape and ultra-thin heatsink tape (Flexible Heatsink, Thermal Conductive Sheet) which facilitates cutting and forming to a certain shape.



EMI & Cooling Solution

Mobile

Represented by smart phones and tablets, the mobile-related technology has been developed so rapidly since early 2000s that it has brought all the works previously done by bulky desk-top computers onto the palm-top mobile devices. Smart phones and tablets now occupies more than 50 percent of mobile device market, and its market share is on the rapid increase. And customers' recent preferences drives the mobile products armed with high performances to become smaller and smaller. And eventually we have reached a point where the heat generation and electromagnetic interference from the mobile device arouses many critical issues. The heat degrades the products' performance, shortens the product life time, the electromagnetic interference increases device malfunction and gives many sorts of inconvenience to users. That's why the cooling and electromagnetic shielding solution has become one of the most fundamental factors in designing mobile devices. Furthermore, the mobile devices cannot tolerate a large space for cooling elements. Therefore cooling elements for mobile devices require the ultra-thin and ultra-high cooling performance and composite solution of cooling and electromanetic shielding.

Application

ESD+EMI Shielding : SF/TSC/SCN Series
Thermal Spreading : TSC/SCN Series
* 5G High Frequency Special : SFG/TCG Series

Display

Represented by TVs and monitors, the display market has long been reorganized to FPD(Flat Panel Display). Although FPD products now give many benefits to customers such as image quality enhancement and reductions in weight and thickness, there still remain many issues regarding the internal heat generation, electromagnetic interference and light leak. Recently Accompanied by the FPD's trend of becoming thinner and thinner, and increased circuit density, the implications of heat and light leak are aggravated.

Application

Grounding+Light Shielding : SF Black Series
ESD+EMI Shielding : SF/TSC/SCN Series

Computer

Recently, the personal computer market is increasing with laptops and tablets. They are always loaded with heavy computing tasks and operations of highquality contents. Compared to a desktop computer, it is miniaturized to the level of a mobile device, so there are complex problems such as heat, electromagnetic interference, and light leakage.

Application

ESD+EMI Shielding : SF/TSC/SCN Series
Thermal Spreading : TSC/SCN Series

Led Lighting

Power Supply

Others



ENERGY-INDEPENDENT SMART STREETLIGHT CONTROL SYSTEM USING WASTE BATTERIES

NO Communication expenses

NO Powerlines

NO Electricity bills



Three no's (no communication expenses, no electricity bill, and no power lines)

(No electricity bill and no power lines) The hybrid smart streetlight control system that Indonesia is interested in provides energy-independent solutions and thus needs no electricity and power lines. This system is particularly suitable for the geographical features of island nations with low energy independence.



(No communication expenses) This smart streetlight control system operates with a private communication network and thus can deal with a lack of communication infrastructure and reduce communication expenses. The system recycles waste batteries of electric vehicles by using electrochemical impedance analysis for quality inspection and lifetime prediction algorithms, thereby contributing to solving environmental problems. It can also improve road safety by controlling color temperature based on a 3-year analysis of climate information and factors that affect visibility.



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Design your
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NUOSYS

Neuosis means a new energy system.

We have manufactured by dividing product designs, prices and functions for each class as many as possible to satisfy needs of various demand classes. There are total 10 product groups.

- 1. Popular Type:** Low-priced, high-quality electric bicycle mainly targeting college students and office workers as means of transportation
- 2. Leisure Type:** MTB or recreational bicycle manufactured to enjoy comfortability and speed in mountainous areas and rugged areas such as streams of Korea
- 3. SPACE SAVING Type:** Light foldable bicycle easy to carry or store on a subway or a bus or in a crowded city when moving
- 4. CITY Type:** Cute motorcycle with sophisticated and simple design perfect for any country and any city.
- 5. European Type:** Design specialized electric motorcycle with sophisticated design and good gas mileage perfect in any European city. It is developed for people preferring reasonable price and sophisticated design.
- 6. Sports Type:** Motorcycle that people who want to enjoy speed and show off choose.
- 7. Motorcycle with light, simple design.** Electric motorcycle developed through optimized design so that people can travel a short distance comfortably
- 8. City Type (tricycles):** Electric tricycles which can be used as means of transportation for 4 seasons in the city. It is designed considering drivers for its design and space as much as a small car is associated with.
- 9. SILVER Type:** Tricycle for transporting and safe trip of the elder. It is an electric motorcycle developed focusing on storage space, safety and convenience.
- 10. SPECIAL PURPOSE Type:** Electric motorcycle designed for a special purpose. It is an electric motorcycle or an electric car for a special purpose which is custom-built for characteristics of a product a customer deals with.



INNOBIZ
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venture and INNOBIZ
certificate company with
ISO9001 and ISO14001.

Innovative
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 **SMPOWER TECH CO., LTD.**

SoftForum Wins 2023 Cybersecurity Excellence Awards

Recognized as the Most Innovative Cybersecurity Company of Asia, Honored with Five Excellence Awards in Products Category

[INQ. NO. 2304E11] Softforum Co., Ltd., a company specializing in quantum security, announced that it has been recognized as the 'Most Innovative Cybersecurity Company' at the 2023 Cybersecurity Excellence Awards.

Cybersecurity Excellence Awards is an international event that honors companies, products, services, and professionals that demonstrate excellence, innovation, and leadership in information security worldwide. The event is produced in partnership with the 300,000-member Information Security Community, and recognizes the leading companies in the industry.

Softforum has received public attention for its contribution to information security, and has been honored as the Most Innovative Cybersecurity Company of Asia with its information security solutions based on Quantum-



CEO Jeong Jong-kap

In particular, it has been revealed that the safety of Public Key Cryptography, the core of electronic transition securities such as Internet banking, electronic stock trading, and Internet shopping, is being threatened by quantum computers. As the migration to quantum computing is increasing the risk to information security, preventive action to solve the problems has emerged.

Jeong Jong-kap, CEO of Softforum, emphasized that "PQC is an effective countermeasure to cope with the incapacitation of existing public key cryptography (RSA, ECC, etc.) algorithms, and is thus a security solution that organizations should implement. As quantum security is still in the early stages of market penetration, Softforum will preempt the future of the security market through systematic preparation and quick response to greater risks."

Softforum is a company specializing in next-generation information security solutions in the PQC field, and is rapidly emerging and highly evaluated in the global security market.

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Resistant-Cryptography (PQC). The company has received awards in five Cybersecurity Product/Service categories, including Quantum-resistant verified cryptography, Hybrid PQC-based network section encryption, Hybrid PQC-based storage encryption, Hybrid PQC-based de-identification of privacy data, and Hybrid PQC-based biometric authentication.

PQC, which gained the spotlight in the event through Softforum solutions, has seen increasing interest with the recent development of Quantum Computing Technology.





So!Gnee Smart Sensor

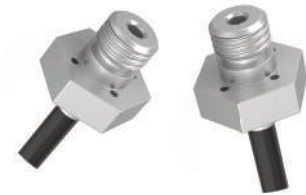
So!Gnee smart sensor is capable of simultaneous monitoring of temperature and vibration states for efficient operation and management of a smart factory.



So!Gnee Sensor (IP65)



Aluminum waterproof case (IP66)

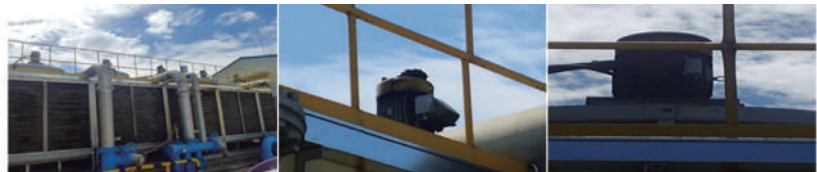


Bolt Probe Type

APPLICATION STRENGTHS

- Development optimized for monitoring through PLC
- Monitoring capability with utilization of universal HMI
- Simultaneous monitoring of temperature and vibration states after installation of sensors per equipment section
- Capable of minimum-delivery response as well as development response according to field situations
- Optimum monitoring and alarm functions with minimum investment
- Equipped for such responses as Application DB, pilot operation after installation, control, electrical construction, HMI monitoring, pilot operation, maintenance & repair, etc. as a business capable of performing control construction
- Sensor application enabled at rational prices

INSTALLATION CASES



Application cases for 5 places of cooling tower



Heaters

Pump Stations

Presses

Extruders

Winders

Mixers



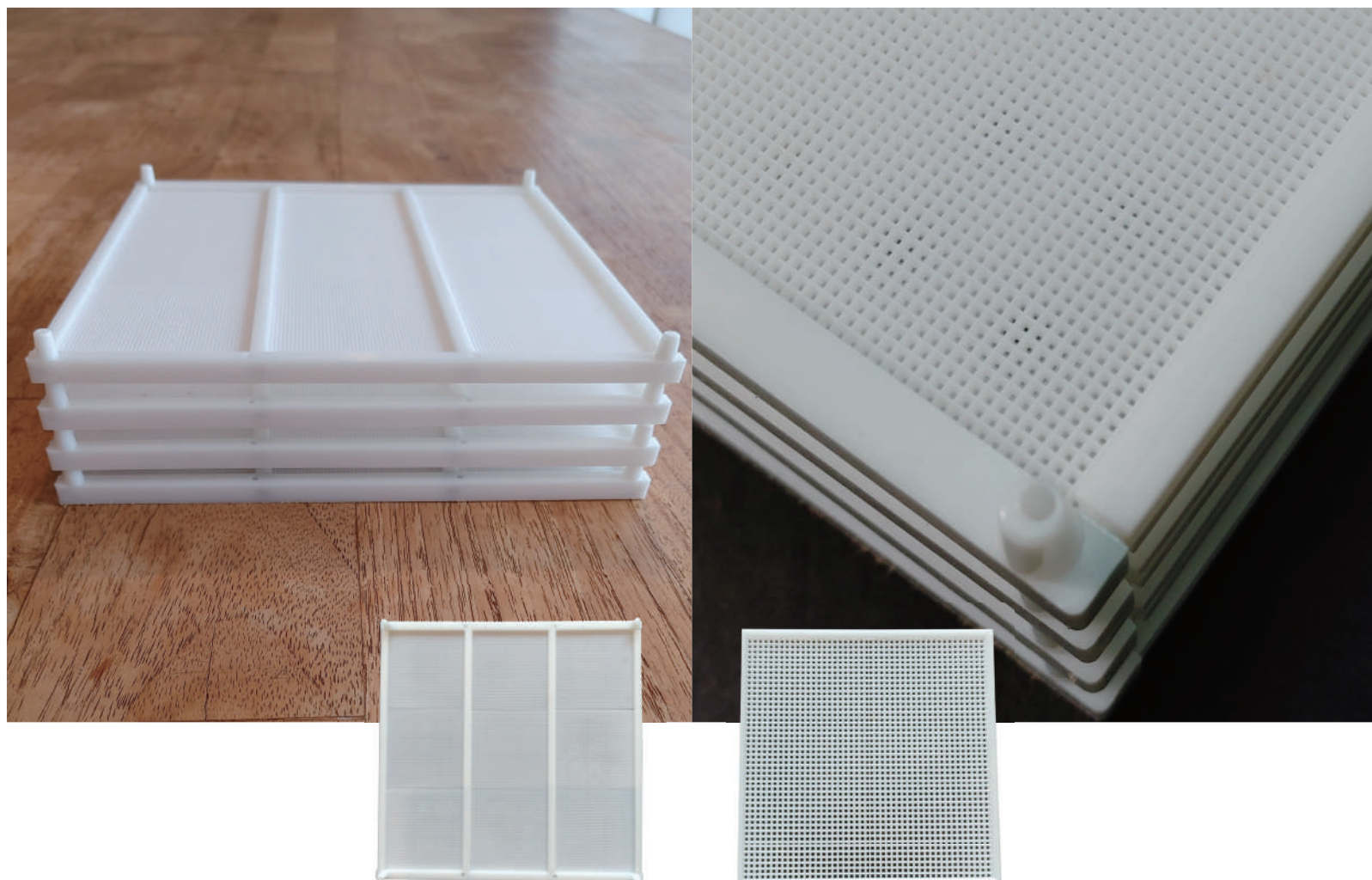
MYUNGSUNG Automation & Technology Co., Ltd.

13-16, Jangdae-gil, Ochang-eup, Cheongwon-gu, Cheongju-si, Chungcheongbuk-do, Republic of Korea

Tel: (82-43)715-9580 Fax: (82-505)345-9580 E-mail: rnd@msant.co.kr sales@msant.co.kr Website: sognee.net

INQ No. F291

Ceramic Mesh



Nano Pore Ceramic Co., Ltd. was established in Icheon-si, Gyeonggi-do near Seoul as a branch of the KICET (Korea Institute of Ceramic Engineering and Technology) in February 2021.

The business goal of Nano Pore Ceramic is to replace the current metal mesh type in which MLCC manufacturers place nickel mesh on the ceramic jig and sinter it after placing the Multi-Layer Ceramic Capacitor (MLCC) chips on the top of the jig.

World's First Ceramic Mesh

The ceramic mesh (150 x 154 x 1mm) that has been recently developed for the first time in the world is 1mm in thickness and 0.8mm and 0.2mm of the upper and lower pore sizes respectively, making it possible to handle 0603 and 0402 MLCCs.

In particular, the nano-pore ceramic can be stably mass-produced by using the ceramic injection method, satisfying customers' needs. Major MLCC makers are located in Korea, Japan, and Taiwan.

Furthermore, the small-sized product (47x47x1mm) of which the outer edges are raised to prevent materials from flowing out can be used to replace sagger and crucible ones.



Nano Pore Ceramic Co., Ltd.

C4-312, KICET, 3321, Gyeongchung-daero, Sindun-myeon, Icheon-si, Gyeonggi-do, Republic of Korea

CP: (82-10) 4219-3135 (Overseas contact) E-mail: joychem62@gmail.com

CP: (82-10) 4918-0444 (Local contact) E-mail: hsma66@naver.com

INQ No. N621

A no 1 expert High-performance automotive glass water repellent coating agent



A&M is a brand that specializes in manufacturing functional coatings. A no 1 expert, which we will introduce, is a water repellent coating for automobile glass that has been researched and developed with domestic technology. Anyone who drives a car must have experienced difficulties in securing visibility in the rain or having their vision obstructed by pollutants. For safe driving through clear visibility, water-repellent coating on automobile glass is now a necessity, not an option.

A no 1 expert is a high-performance water-repellent coating for automobile glass. It is a work process that is finished by wiping and applying, and it is You can feel the quality of the water-repellent coating.

A no 1 expert has excellent water repellency, so it is possible to secure a clear view in the rain, and has strong durability and durability. Up to 6 months when exposed to direct sunlight and external environment frequently after water-repellent coating It lasts up to 1 year if stored indoors and there is no damage.

In addition, the fluorine-based silane coating prevents promising formation, making it easy to clean through antifouling against contaminated water Available.

A no 1 expert can be trusted and used as it is not subject to safety confirmation target household chemical product certification and child protective packaging regulation.



ANM Co., Ltd.

C-216, 501, Jinju-daero, Jinju-si, Gyeongsangnam-do, Republic of Korea

Tel: (82-55) 758-5837 E-mail: ywjcycd@daum.net Website: <https://smartstore.naver.com/anminc2022>

INQ No. N620

Samsung Electronics to Invest KRW 300 Trillion for System Semiconductors

As Samsung Electronics secured production bases in Giheung, Hwaseong and Pyeongtaek, as well as Yongin, it developed a 'semiconductor triangular mega cluster.'

Samsung Electronics has recently decided to invest a total of KRW 300 trillion to build this 'high-tech semiconductor cluster' in the semiconductor national industrial complex created by the Korean government in Yongin, Gyeonggi-do.

The basic plan for the Yongin Semiconductor Cluster is to build five semiconductor manufacturing plants over the next 20 years and to attract 150 domestic and foreign excellent companies engaged in materials, parts, equipment, and semiconductor fabless.

Samsung Electronics' KRW 300 trillion investment is estimated to have a direct and indirect production inducement effect of KRW 700 trillion, and an employment inducement effect for up to 1.6 million people.



When the Yongin Semiconductor Cluster is created, the world's largest semiconductor cluster will be completed by linking existing semiconductor production complexes such as Giheung, Hwaseong, Pyeongtaek, and Icheon with Pango, Seongnam, where nearby companies engaged in manufacturing of materials, parts, equipment and semiconductor fabless gather.

A spokesperson for the business community pointed out, "The super-gap in the memory semiconductor sector led by Samsung Electronics is expected to widen and competitiveness in the foundry market will also increase."

The formation of the Yongin National Industrial Complex as a system semiconductor cluster is interpreted as meaning that Samsung Electronics' production strategy has reached an epoch-making turning point.

Samsung Electronics is pushing ahead with the 'shell first' strategy despite the slowdown in the semiconductor market. This is a method of constructing a 'clean room,' which is an essential clean space when building a semiconductor production base, first and then proceeding with facility investment. The advantage is that flexible resource allocation is possible because the use is determined by predicting the market conditions at the time of final completion, rather than building a factory by pre-determining memory or foundry.

According to Samsung C&T's recent business report, the construction progress of Samsung Electronics' Taylor 1 plant in Texas, USA was 43.8% as of the end of last year; and the clean room construction progress of Pyeongtaek 4 plant was 21.3%. The Pyeongtaek 4 plant is expected to be completed in October next year.

If the Yongin cluster, known as 'the system semiconductor mecca,' is constructed as planned, the triangular mega cluster in southern Gyeonggi will be completed. In particular, the fact that Samsung Electronics recently announced that it would build the Yongin cluster centered on system semiconductors is interpreted as meaning that it will enter the competition in the foundry market in earnest. Samsung Electronics

has thus widened the super-gap in the memory semiconductor field and prepared a foothold to pursue the leading TSMC in the foundry field.



Currently, among global foundry companies, only Samsung Electronics and TSMC are capable of mass-producing foundry processes below 5 nm. In June of last year, Samsung Electronics began mass-production of the 3nm process that applied the structure of GAA, a next-generation transistor, for the first time in the world.

Unlike TSMC, which decided to apply GAA technology from the 2nm process, Samsung Electronics is being recognized for closing the gap in the technology race by starting mass-production from 3nm. However, it is unable to close the wide market share gap with TSMC due to 'physical limitations' owing to lack of production facilities. According to the Taiwanese market research firm Trend Force, as of the fourth quarter of last year, TSMC had a market share of 58.5%, ahead of Samsung Electronics (15.8%).

The Yongin cluster also means that the Korean government, which is trying to maintain its position as the 'strongest country in semiconductors', and Samsung Electronics, 'the world's No. 1 in memory

semiconductors', initiated a joint private-public operation, targeting the global system semiconductor market where TSMC has the greatest market share.

Just as TSMC has been growing rapidly based on the Taiwanese government's full support, it is interpreted that the Korean government started its full support for the semiconductor industry.

The semiconductor industry is a pillar of the Korean economy and a key security asset, accounting for 5.6% of gross domestic product (GDP), 24.2% of total facility investment, and 19.4% of exports as of 2020. Major countries such as the United States, China, Japan, and Taiwan are strengthening their semiconductor clusters with full government support, while making all-out efforts to attract semiconductor production facilities to their countries.



The Semiconductor Association's spokesperson explained, "The customized support strategy for system semiconductors, such as establishing a semiconductor mega cluster, upgrading the value chain ecosystem, securing next-generation semiconductor core technology and expanding manpower, will be of great help in creating a strong ecosystem for the domestic semiconductor industry."



Take out the product at high temperature from now on!

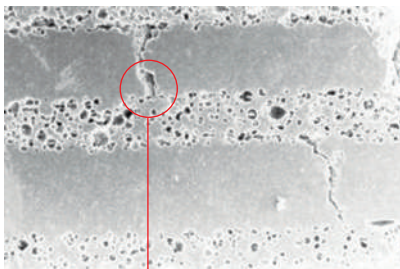
A Thermal Shock-Resisting and Pure Crucible Temperature 1650°C

Alumina Purity of 99.8%.

Featuring a porous layer, dense layer, laminated crucible, it is a crucible that is outstanding as for thermal shock resistance as it is laminated with these porous and dense layers. Moreover, it can protect the rear side even when facing internal and external thermal shock.



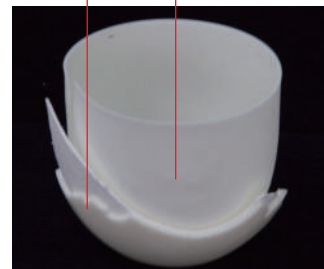
A crucible that is resistant against thermal shock protects your cherished products!



Crack propagation stops when it meets interface

Absorbing the 1st thermal shock

Blocking the 2nd thermal shock and protecting the content



**Thermal Shock-Resisting
Temperature at $\Delta T \approx 700^\circ\text{C}$**

Pocera

POCERA, a company
manufacturing fine ceramic products

POCERA CO., LTD.

57-30, Gwahakdanji-ro, Gangneung-si, Gangwon-do, Republic of Korea

Tel: (82-33) 645-3719 Fax: (82-33) 644-3721 Website: www.pocera.co.kr

E-mail: alpin214@naver.com

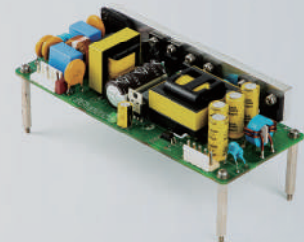
INQ No. F283

We Intend to Change Continuously for Customer's Trust Employee's Trust Social & Shareholder's Trust

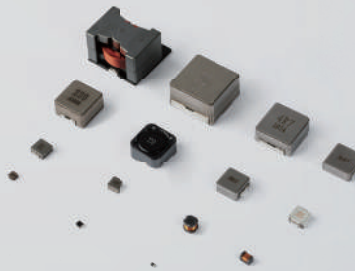
TODA ISU Co., Ltd. started as ISU Ceramics Co., Ltd., a subsidiary of ISU Group in 1987. Since then, TODA ISU has grown to become a leading parts company in the global display market for over two decades. In 2008, we joined with TODA Group in Japan and started as TODA ISU Corporation.



EMC Filter

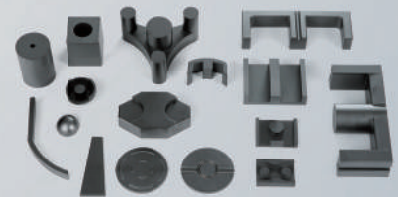


Switched mode Power Supply



SMD Inductor

DIP(Dual Inline Package) Type Inductor
High permeability inductor



Ferrite

high-frequency / high-efficiency ferrite
Garnet ferrite with high dielectricity



Expanded Beam Connector

Expanded Beam Connectors utilize lenses to extend the optical signal into the form of a beam to deliver the signal. It has been selected as the world class product in Korea.

83526(Series)

MINI, JUNIOR, SENIOR, MAXI



FOSTEC
TYPE 38999
11shell
13shell
15shell
17shell



FOSTEC
Hybrid (Optical & Electric) connector



- Strong in mechanical shock or vibration (even dust and contaminants), it is applicable to outdoor environments such as military and plant use.
- It is easy to maintain on-site and can be easily handled by non-experts.

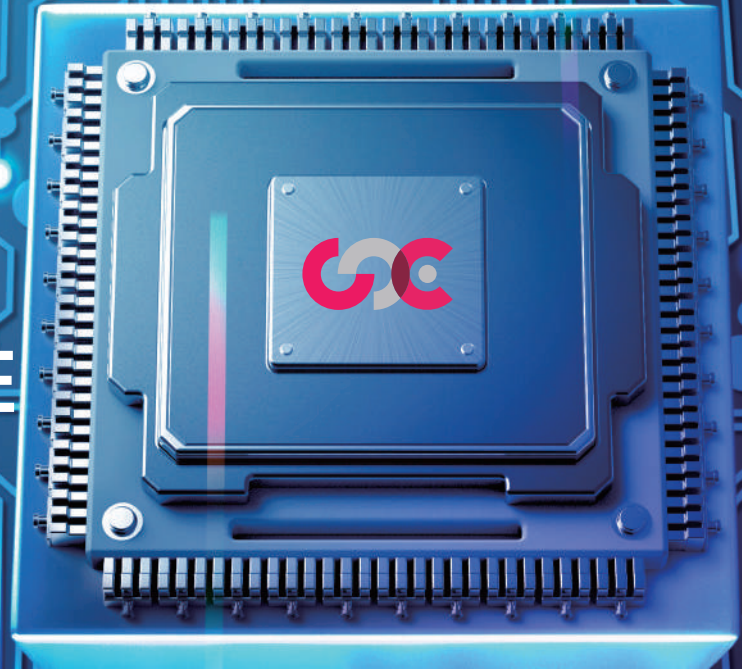


FOSTEC Fostec Inc.

Fostec Bldg., 40, Emtibeui 20-ro, 12beon-gil, Danwon-gu, Ansan-si, Gyeonggi-do, Republic of Korea
Tel : (82-31)-318-9350 Fax : (82-70)-4216-2251
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INV. No. F259

Used equipment could be Quick Solution if with CSE



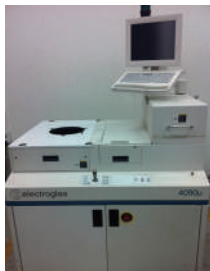
TSK UF3000



TEL Precio



TELP-12XL



EG4090u



J750



SigmaClean



Field Service Support

ABOUT CSE

CSE is an Equipment Solution Provider who handling used semiconductor equipment and parts. We are committed to create competitive products and new technologies based on the original technology. And we are doing our best to cope actively with demand of client in rapidly changing world.

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A rigorous audit process that
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INNOBIZ
Innovation Association



MAINBIZ
경영혁신 경영개발

InterBattery 2023

At InterBattery 2023, the largest secondary battery industry exhibition in Korea, three domestic battery companies heralded the pioneering of new markets such as lithium ferro phosphate (LFP).

InterBattery 2023 was held on the largest scale ever at COEX in Samseong-dong, Seoul, for three days from May 15 to May 17. This year, a total of 477 companies, including battery and material companies, participated, and about 40,000 visitors gathered on the first day alone.

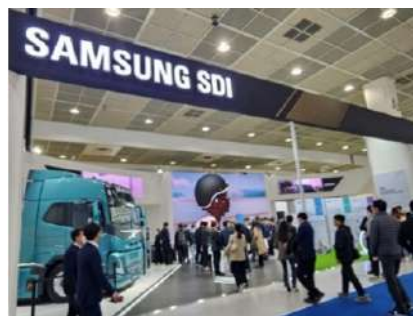


LG Energy Solution introduced LFP battery cells and packs for the first time at the exhibition. The product is used in power grids and residential energy storage systems (ESS). LG Energy Solutions' in-house independent company 'KooRoo' introduced a battery swap station (BSS) service, aiming at commercializing this year. KooRoo is preparing a service that allows battery packs for electric two-wheeled vehicles to be used in a switching method rather than charging.



SK On, which had only produced pouch-type batteries until now, exhibited a mock-up of a newly developed prismatic battery. In addition, prototypes of cobalt-free batteries and LFP batteries, which are in the development stage, were introduced.

Samsung SDI exhibited prismatic, cylindrical, pouch, and micro-sized batteries. It introduced all-solid-state batteries, innovative structural design, high-efficiency fast charging, and safety technologies. It also displayed its newly strengthened E5S modules in safety for ESS by introducing a water-cooled cooling system and rack.



Samsung SDI, which has not revealed its LFP battery business plan, has officially made known the fact of its LFP development for the first time. Choi Yun-ho, president of Samsung SDI, said, "We are preparing actively for the era of LFP batteries because the diversity of businesses and customers is important."

POSCO Chemical introduced the current status of building a portfolio that includes the entire product line of cathode and anode materials.

POSCO Chemical President Kim Joon-hyung said, "We will sign a cathode material supply contract with LG Energy Solution within the year, and we are also reviewing various business cooperation with SK on."



POSCO Chemical signed a contract with Samsung SDI to supply cathode materials worth 40 trillion won for 10 years. "The demand for LFP batteries is also increasing in the market," said President Kim. "We are considering entering the cathode material business for LFP batteries."



G&I TECH

Clean and eco-friendly Lighting solution With high safety and better design

As a company that provides LED traffic systems using solar energy, which is an eco-friendly energy source, following a corporate ideology dedicated to customer satisfaction and based on quality-first principles, we will lead the safety culture through continuous technology development and quality improvement.

Business Concepts



Traffic Safety Products

Solar Road Stud
Solar Road Delineator



Landscape Lighting

Solar Brick
Deck Type Solar LED
Solar LED Fence-type light



LED Street Lighting

LED Street Lights



GIWICS Wireless traffic control system

G&I TECH CO., LTD.

No.1204~6, Sungjee Starwith 38, 427 Heugnan-daero, Dongan-gu, Anyang-si, Gyeonggi-do, 14059, Republic of Korea
Tel : 82-31-345-0321 / 82-31-345-0300 ~ 0304 Fax : 82-31-345-0305 www.gnitec.com E-mail : gnitec@gmail.com

INQ No. F293

Main Technology

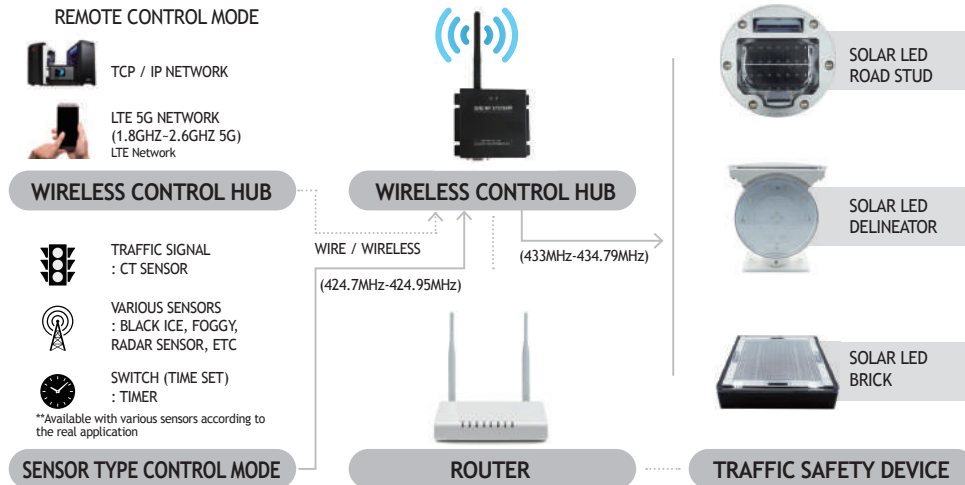
Solar LED Wireless Control traffic safety system "GIWICS"

The GIWICS system, which is fusion technology merging IOT and solar LEDs, uses a remote wireless network.



CONTROL CENTER

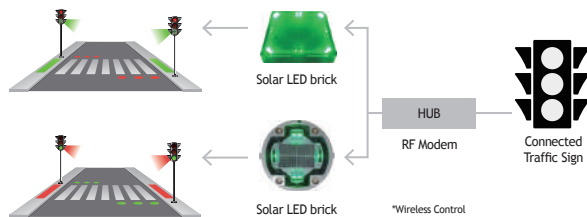
INTERCONNECTED WITH CONTROL CENTER
**Direct controllable HUB



Applications

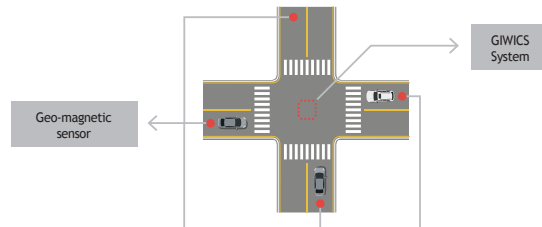
Traffic signal synchronized system

The color of installed solar LED products is automatically adjusted according to the program as the traffic signal changes.



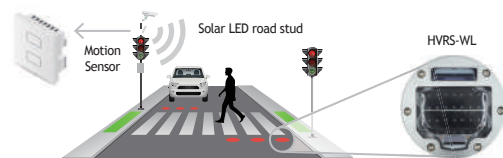
Crossroad anti-collision system

Detecting a vehicle approaching and emits road studs installed in the middle of the intersection or stop line, so that a driver in a blind spot can recognize the other vehicle entering the intersection and prevent a collision accident



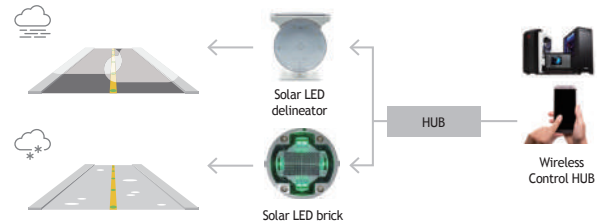
Motion sensor system

Lighting up the high visibility solar LED road studs to drivers when detecting pedestrians at a crosswalk without a traffic signal



Remote Radio Control System

According to the weather (freezing, fog, etc.) and road conditions changing due to traffic accidents, the control center will use mobile phones, etc. Light or flash control of the solar LED guidance lamp allows the driver to recognize dangerous situations and prevent accidents.

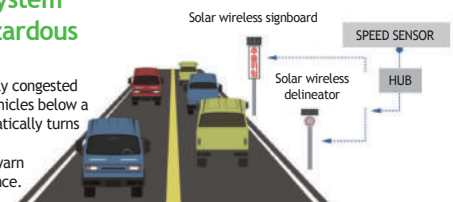


Benefits

- Eco-friendly - No wires, no electrical work required for installing the lighting devices.
- Easy maintenance - Simple change of inner module if any device has problem
- Convenient management - Managing various functions such as ON/OFF, Blink/Steady, Brightness, Delay time, Color change, etc. with a controller

Auto advance alarm system for congested and hazardous areas

The speed sensor installed in habitually congested and hazardous zones detects when vehicles below a certain speed are moving, and automatically turns on and flashes the solar LED traffic facilities installed on the highway to warn drivers of the road conditions in advance.





UV-C STERILIZER MANUFACTURE



Cell Phone UV
Sterilizer



Razor
Sterilizer
/ Cleaning Pad



UV-C Sterilizing
Tumbler



Denture
Sonic Cleaner
+ UV-C



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minimi Golf laser range finder (CaddyTalk)



CaddyTalk MINIMI Rangefinder

We have registered a patent on the slope function that calculates and recommends the distance that reflects the elevation difference and high and low of a landform. We also concentrated on the design, size and weight lightening to develop a new product to differentiate it from major companies' products.

We thus released CaddyTalk MINIMI, the smallest and lightest product of its kind. Its design that is differentiated from other companies' rangefinders is the core feature. Other companies' rangefinders are at least 150g — but MINIMI, the lightest such product in the world, is 135g, even with a built-in battery. It can measure a distance up to 1.2m and even provides an environment slope that reflects elevations, temperatures and humidity.



Bucket List: Best Springtime Destinations in Korea



Yeouido's Yeouiseo-ro Road

Yeouiseo Road (formerly known as Yunjung Road), located behind the National Assembly Building in Yeouido, is one of the most popular destinations for viewing cherry blossoms. As cherry blossoms begin to fully bloom in early to mid-April, the 1,800 cherry blossom trees transform the road into a snow-white tunnel, accented by forsythia and other spring blossoms, just in time for Yeongdeungpo's Yeouido Spring Flower Festival. Road traffic is restricted in certain areas during the festival period, allowing visitors to enjoy the cherry blossoms to their hearts' content.

Namsan Park Circuit Road

Namsan Park's circuit road, which connects Namsan Library, Namsan Octagonal Pavilion and the National Theater of Korea in Jangchung-dong, is a beautiful scenic route lined with forsythias, azaleas, and cherry blossoms. Although it stands at 262 meters above sea level, Namsan Mountain is a fairly easy walk and the blossoms make it that much more enjoyable. The walk begins from Namsan Library and takes about 40 minutes to reach Namsan Octagonal Pavilion located at the top of the mountain.



Changgyeonggung Palace

Changgyeonggung Palace, one of the major royal palaces in Seoul, is a prime spot to view cherry blossoms. The palace creates a gorgeous backdrop for photos made by an assortment of cherry blossoms, plum blossoms, Korean bush cherry, sansuyu (cornus fruit) flowers, apricot blossoms and royal azaleas as they bloom among ancient architecture in the heart of Seoul. From time to time, visitors can spot a fantastic shower of cherry blossom petals raining over Okcheongyo Bridge.



Seokchon Lake

The Seokchon Lake Cherry Blossom Festival is held every spring at Songpa Naru Park, a peaceful lake park that surrounds Lotte World. Seokchon Lake boasts approximately 1,000 mesmerizing cherry blossom trees that form a tunnel of flowers around the lake, creating a fascinating scene in spring. Lotte World's Magic Island appears to float in the middle of the lake. The festival offers events and family-fun activities for a perfect day out at Seokchon Lake. Nearby attractions include Lotte World Tower & Mall and Seoul Sky, Korea's highest observation deck.

Icheon Sansuyu Village

Icheon is home to a huge number of sansuyu trees. These wild trees, many over 100 years old, are spread all over the city and found most abundantly in the Baeksa-myeon area, which is referred to as Sansuyu Village. The Icheon Baeksa Sansuyu Flower Festival is held there every spring when the flowers bloom, coloring the village in a vibrant yellow. The village has various walking paths that showcase the beautiful flowers.



Jinhae - Yeojwacheon Stream



The city of Jinhae comes alive in spring when Jinhae Gunhangjae Festival takes place and approximately 360,000 cherry blossom trees begin to bloom. Although the entire city is considered one of the top cherry blossom destinations, the most popular flower viewing areas are Anmingogae Hill, Jehwangsang Park, and Yeojwacheon Stream. In particular, an approximately 1.5-kilometer-long section of Yeojwacheon Stream is lined with cherry blossom trees, creating a tunnel of white petals. The sweet scent of canola flowers under the cherry blossom trees will accompany visitors as they walk through the floral tunnel.

Jeju - Seopjikoji

As Korea's southernmost land, Jeju Island is the first to see the blooming of spring flowers, drawing in many tourists with the start of spring. Yellow canola flowers spring up far and wide on the island, creating picture perfect scenery in places like Seopjikoji. The view of natural fields of canola flowers set before the deep blue ocean is amazing. Visitors will be pleased to find uniquely shaped sculptures set in the fields of canola flowers for photos of their trip. Furthermore, pony rides are also available, an activity especially popular among families with children.



Yeosu - Yeongchwisan Mountain

Famous for the surrounding blue sea and beautiful islands, Yeosu is another popular destination for viewing spring flowers. Starting in April, pink azaleas color the ridges of Yeongchwisan Mountain, creating picturesque scenes against the deep blue ocean. The Yeongchwisan Azalea Festival is held annually in early April to celebrate spring.



Visit Korea Website

The above article is courtesy of VisitKorea, the official website of the Korea Tourism Organization (www.visitkorea.or.kr)

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ENTERTAINMENT FACTORY



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New Contents Beyond Boundary

CELLBIG creates new experiences and values by combining various technologies and creative ideas.

Under the idea, “when we imagine, it becomes reality”, we are leading various projects into success with accumulated know-hows and unique skills.

We create contents for the new era with challenging people who make imagination into reality.

BUSINESS



INTERACTIVE XR



EDU-TECH



KIDS CONTENTS



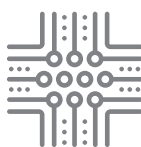
A.I SOLUTION



XR SPORTS



DIGITAL HERITAGE



IT INFRA

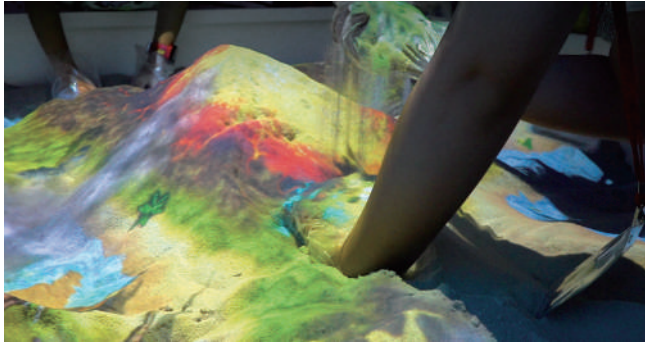


SI SOLUTION



TOTAL MAINTENANCE

CONTENTS



SAND CRAFT

Feeling the Earth with Your Hands



FANTA SKETCH

Coloring Game where Characters Come to Life



FANTA CAVE

Journey Throughout Time and Space



FANTA PLAY

Fantasy Playground Full of Adventures



FANTA SPORTS

Pleasant Cooperative and Competitive Workout



MAGIC SKETCH

Creating Characters that Existed in Your Imagination



MAGIC CANVAS

Screen that Captures Movement



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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



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

We recommend
IZON for the
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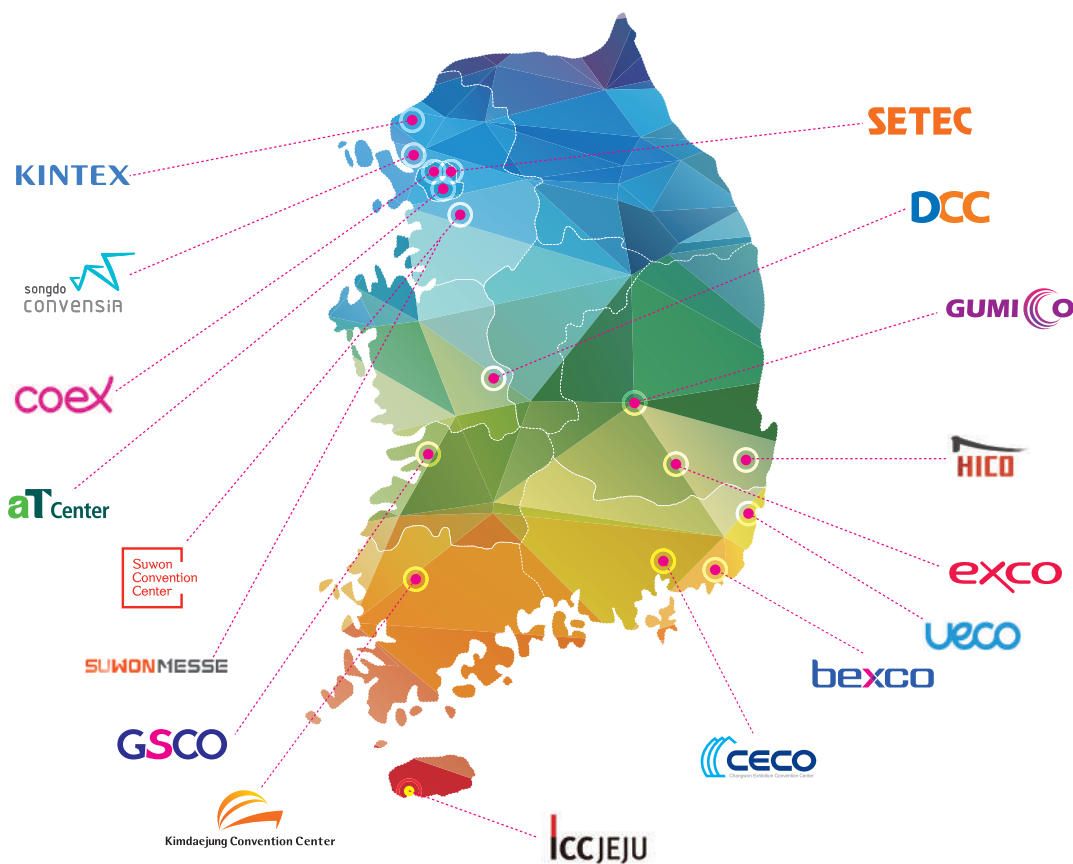
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