



## About MEMS

**MEMS** is a spinoff brand from PHILOS; a prominent firm with 20+ years' expertise in membrane production and system design. It is renowned for its capabilities in delivering comprehensive solutions for various kinds of membrane applications. MEMS meanwhile, is now managed by PHILOS's sister firm Wellspring Expand.

**MEMS** focuses on adopting to customer's mind of work. We have developed our systems which are user friendly and convenient to use. With years of knowledge and experience behind us we are able to offer you the most advanced design and technology in membrane evaluation and manufacturing system. No matter the size, scale, usage or application, all of our customers will benefit from our experts' advice.

## MEMS proposal to customers

We have a long history of membrane research, manufacture, and engineering, and we know exactly what goes on in the lab. We have a greater understanding of the difficulties you face as researchers than anybody else, and we're here to help. While working with researchers, we have studied each of them attentively and attempted to comprehend the psychology of researchers. When doing research, we know that ease of use is the most important factor.

We have witnessed that, despite possessing pricey and properly functioning equipment, many researchers nonetheless employ poorly constructed equipment just because they are more comfortable to use. Most of the times, the pricier the system the more complicated it is and the more room it takes in the lab, while needing a lot of cleaning, and are not even suitable for acquiring desired results. As a result, we at MEMS have made it our duty to supply researchers and developers of membranes with the most user-friendly and convenient equipment. In order to overcome even the smallest obstacles, MEMS was established. So, at MEMS, we offer "A device that understands the researcher's mind" by adapting to the user mind of researchers via our years of expertise, observation, and realization. That's what we'd want to put forward to the community of researchers.



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# About PHILOS

Established in 2002, PHILOS is a leading research and development oriented membrane manufacturing company in Korea offering varieties of membrane and module products such as; UF, MF and MBR, for separation and concentration membranes, cell culture membrane, humidifier and dehumidifier membranes etc. It has also been commercializing and distributing portable membrane water purifiers as appropriate technologies to underserved community with its sister company; Wellspring Expand ([www.wellspring.kr](http://www.wellspring.kr)). PHILOS can offer specified designs and solutions to researchers as far as membrane technology. PHILOS has been recognized as Innobiz certified company by the government of Korea. It also has secured two ISO certification; ISO 9001 and ISO 14001 certifications for specializing in developing parts and materials.



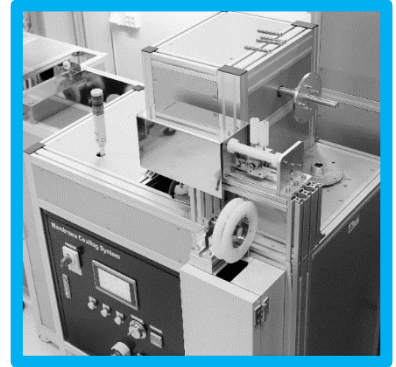
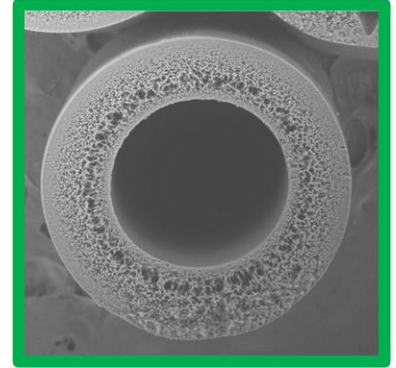
## Introduction about CEO

The visionary leader and CEO of PHILOS; Dr. Jeong-Hak Kim, holds a 4 decades of experience in membrane research, development and manufacturing. Being the first person to commercialize the UF membrane in South Korea, he has always challenged and pushed the company's boundary to strive for better and brighter tomorrow. Besides handling the company, Dr. Kim has been also leading and guiding 2500 corporate members of KISTI (Korea Institute of Science and Technology Information) as a chairman. He is also the current vice president of The Membrane Society of Korea, and the Scientists and Engineers Without Borders (SEWB) which shows his dedication, passion, experience and leadership in the field of Science and engineering.



# Key Strength of MEMS

- Offer a range of standard systems for the fabrication of hollow fiber and flat sheet membranes and modules.
- Offers assessment systems for a variety of applications, including UF, MBR, SWRO, MD, and gas separation.
- Offers equipment ranging from laboratory to production scale.
- Flexible in terms of optimizing standard equipment to meet customer requirements.
- Easy-to-operate system designs.
- Reliable customer service.
- Free consultation on systems with the help of pool of expertise



## Overseas business

MEMS has provided more than 200 membrane-related systems to customers throughout the world. As a result, it has unquestionably been successful in establishing itself on the world stage. Aside from supplying cutting-edge technology, competitive pricing, and highly appreciated membrane-related goods, MEMS clients are mostly pleased and delighted with the company's excellent customer service, technical collaboration, reliability, integrity, and timeliness in the delivery of products.



MEMS is committed to making its customers happy, and customers are satisfied when their demands are met. We engage with customers by video conference, direct phone conversation, or even text through other social media platforms such as WhatsApp or LinkedIn in order to have a thorough understanding of their requirements. This easy customer service and technical discourse helps to create confidence and a good, long-lasting connection with our clients, resulting in the trade between our foreign customers and MEMS being more than just a one-time transaction in most cases. When it comes to technical support, MEMS not only provides its customers with tested quality products/equipment, but it also assists them in easy transport and installation through its compact designs, well-packaged products, and video manuals that will assist them in easily overcoming any technical as well as shipping difficulty.



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## Customer reference

KAIST(Korea Advanced Institute of Science and Technology)

GIST(Gwangju Institute of Science and Technology) membrane Center

KRICT(Korea Research Institute of Chemical Technology) Membrane Center

Seoul national University, Yonsei University, Korea University,

Hanyang University & many universities

Korea Research Institute of Biotechnology

Coway, Toray, Changhae Ethanol, GS Caltex, SK, Samsung Refine chemicals and many companies

NRC(National Research Center) in Egypt

Desert Research Center in Egypt, Nile University

NTNU(Norwegian University of Science and Technology) SINTEF

Istanbul Technical University, MEMTEK

UTM(University Technology Malaysia) Membrane Center

KAUST in Saudi Arabia, KISR in Kuwait

Solvay, Aquapor in Estonia, TEGAS in Russia & many companies in the world

