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# General Silicones to Showcase Innovative Solutions at Electronica 2024

## *Demonstrating Advanced Silicone Technologies for Electronics and Automotive Applications*

**Hsinchu, Taiwan, October 29, 2024** - General Silicones (GS), a leading silicone products OEM/ODM manufacturer, will be showcasing its latest innovations at Electronica 2024, the premier trade fair for electronics. Attendees will have the opportunity to discover GS's cutting-edge silicone-based solutions, featuring HMI switchpads, membrane keypads integrated with Compo-SiL***®***, and hybrid components that seamlessly blend silicone with plastics and metals during the manufacturing process. GS will be located in **Hall A2, Booth 465/3**, at the event from November 12-15, 2024, in Munich, Germany.

### Experienced HMI Switch Pad and Keypad Manufacturer

GS has made over 20,000 custom [HMI switch pads and keypads](https://www.generalsilicones.com.tw/products-en/parts-en/custom-keypad-en/?lang=en) that provide superior tactile feedback and durability compared to traditional plastic alternatives. These silicone keypads are ideal for automotive and industrial applications, providing enhanced resistance to environmental factors.

### Silicone Hybrid Components With Metal and Plastic

GS’s hybrid components combine silicone, plastic, and metal to create high-performance solutions for automotive and electronic devices. This includes plastic housing with liquid sealing gaskets for vehicle chargers, ensuring optimal performance by integrating advanced materials. Silicone’s inherent advantages—such as high-temperature resistance, chemical resilience, and electrical insulation—make GS’s seal & gasket solutions essential for electronic and industrial applications.

### Innovative Membrane Keypads and Decorative Films With Compo-SiL® Technology

In addition to its key solutions, GS will highlight Compo-SiL® products, offering enhanced functionality and flexibility:

* [Membrane Keypads](https://www.compo-sil.com/membrane-keypad/): GS specializes in the design and manufacture of silicone keypads specifically engineered for medical devices, consumer electronics, and industrial control panels. The proprietary Compo-SiL® technology distinguishes GS within the industry by enabling the integration of resilient silicone overlays onto pre-existing PC/PET keypad membranes during mass production. This innovative approach yields exceptionally durable keypads, which are safeguarded by a silicone top layer, thereby producing a surface that significantly surpasses durability compared to those made from PET or PC materials alone.
* [Decorative Films](https://www.compo-sil.com/product/decorative-film/): GS's silicone decorative films are perfect for automotive interfaces and a variety of applications across multiple industries. These films provide remarkable design flexibility and superior bonding capabilities with ABS and PC materials. With GS's innovative Compo-SiL® technology, customers can seamlessly integrate the advantages of silicone-based surface covers into nearly any substrate material.

### Why Choose General Silicones?

With over 50 years of industry expertise, GS offers one-stop OEM/ODM services, from material development to mass production. Their wide range of customized manufacturing processes and reverse engineering services ensure tailored solutions for their clients across various industries.

For more information, meet GS’s experts at Electronica 2024, Hall A2, Booth 465/3.

Contact the GS team at gs-ec@gsweb.com.tw to book a personal introduction to the products and solutions at the Electronica show.

### About General Silicones

General Silicones (GS) was founded in 1970 in Taipei, Taiwan, and is now represented worldwide – including Europe, China, Japan, and South-East Asian countries. GS is a major distributor of silicone materials and an active silicone products manufacturer with ISO 9001, IATF 16949, and ISO 14001 certifications. The company has manufacturing plants in Hsinchu, Taiwan; Wujiang, China; and Bac Giang, Vietnam. With decades of experience in this field, GS has the ability and capacity to provide a wide range of silicone products for many industries, including medical, automobile, consumer products, electronics, and IT. For more information about GS, please visit [www.generalsilicones.com](http://www.generalsilicones.com/). For more information on Compo-SiL®, please visit [www.compo-sil.com](http://www.compo-sil.com/).