

May 26, 2025

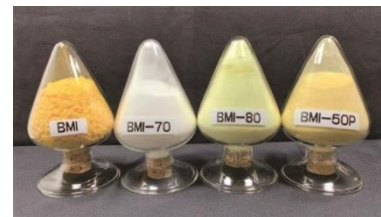
**Strengthened the production system of bismaleimides (BMIs) for semiconductors.
K-I Chemical, a subsidiary of Kumiai, has completed construction of a new plant for BMIs.**

K-I Chemical's new plant has been completed construction. We will capitalize on the growing demand for Bismaleimides (BMIs) and expand our Fine Chemicals Business.

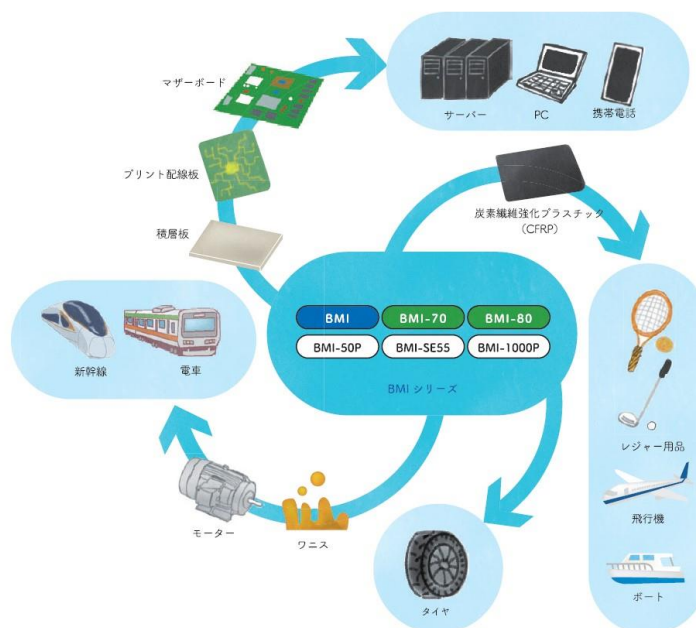
Digital technology, represented by high-speed communication and artificial intelligence (AI), deeply permeated our lives, increasing convenience and satisfaction in various situations. The size of the global semiconductor market, the bedrock of our digital society, reached a record high of 611.2 billion dollars, up 16.0% year on year, in 2024. Double-digit growth is expected in 2025.

On the other hand, a major issue in high-speed data processing is countermeasures against temperature rise. As semiconductors become smaller and denser, self-dissipation becomes more difficult, resulting in shorter semiconductor life and increased risk of thermal runaway. To prevent them, cooling systems and heat-resistant materials must be used.

BMIs produced by K-I Chemical Industry Co., Ltd. (K-I Chemical), a subsidiary of Kumiai, are thermosetting resin monomer, can add heat resistance and toughness to resins used in laminates and composite materials. Therefore, it is used as a countermeasure against temperature rise. Also, because carbon fiber impregnation improves heat resistance and strength, it is widely used in aircraft fuselages and leisure goods. The company is one of the largest suppliers of BMIs in Japan.



BMI Products



Uses of BMIs

The new plant, which was under construction to further strengthen the production system of BMIs, was completed on May 19. BMIs are increasingly in demand as electronic materials for generative AI servers. In addition, it is used in Low Earth Orbit (LEO) satellites, which are attracting attention due to the expansion of communication networks, and demand is expected to increase in the future. In order to capture those demands, we have strengthened our production system. In addition, we will develop new BMI derivatives and acquire new customers and explore new applications to accelerate the growth of our Fine Chemicals Business.



Appearance of the new plant



Completion Ceremony

K-I Chemical Industry Co., Ltd.

K-I Chemical established in 1975. The company is engaged in three businesses: the Fine Chemicals Business engaged in manufacturing, sales, and R&D of bismaleimides for electronic materials and various organic intermediate products such as agricultural chemical and pharmaceutical intermediates; the Industry Chemicals Business engaged in manufacturing, sales, and R&D of disinfectants and antiseptics used in various industrial fields and hot spring disinfectants that utilize the technologies for industrial disinfectants and antiseptics; and the Bio Products Business engaged in manufacturing, sales, and R&D of safe feed, feed additives, contracted culture, etc. that utilize the characteristics of microorganisms.

<Inquiry for this press release>
Kumiai Chemical Industry Co., Ltd.

Customer Inquiry Form (<https://www.kumiai-chem.co.jp/english/contact.html>)