

Our History

Contributing to a sustainable future through chemistry

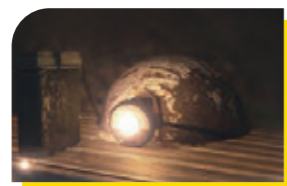
TOK ensures that all management resources and initiatives ultimately contribute to society under the four management principles (Create a frank and open-minded business culture, continue efforts to enhance our technology, raise the quality levels of our products, and contribute to society). In the coming years, TOK will contribute to a sustainable future through chemistry, thereby supporting the sustainable development of an affluent society.

Since 2010s Innovation Driven

1940 Origin



Shigemasa Mukai, TOK founder



Batteries used in the lights on coal miners' caps (image)

DNA in place since TOK's founding

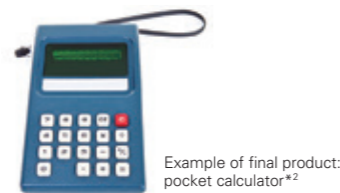
Under his strong ideal of challenging ourselves to develop products, however hard it may be, useful to society, and not offered by other companies, the founder, Shigemasa Mukai, developed the batteries used in the lights on coal miners' caps in 1934 after more than six years of trial and error, thereby enhancing safety in the coal industry in the early Showa era.

1970th Pioneering



Eco-friendly synthetic rubber resists

First semiconductor positive photoresist developed in Japan



Example of final product: pocket calculator*2

Acquiring TOK's reputation as a supplier of photoresists and responding to environmental requirements

TOK started the full-scale photoresist business in 1968, developed an eco-friendly synthetic rubber resist in 1971, and then created the first semiconductor positive photoresist in Japan in 1972 by leveraging its high purification technology and microprocessing technology. The Company has acquired a reputation as a supplier of photoresists indispensable for semiconductor production and has supported increasing efficiency in business by contributing to the higher performance of pocket calculators and the emergence of word processors and PCs.

1980th Resilience



Established Ohka America, Inc., (current Tokyo Ohka Kogyo America, Inc.) as the first overseas site



i-Line photoresists

Example of final product: PC

Strengthening management foundation and taking steps toward further growth

TOK achieved growth by increasing its market share for g-Line photoresists and promoting the equipment business. Although the Company faced difficulties in the semiconductor recession that started in 1985, TOK took bold action by listing in 1986 and marketing i-Line photoresists in 1987, as well as establishing Ohka America, Inc., as its first overseas site. These actions led to further growth from the 1990s.

1990th Global No. 1



Koriyama Plant



KrF excimer laser photoresists

Example of final product: mobile phone

Toward a global niche top company

TOK went on a growth trajectory again and strengthened its structure for increased production by opening the Koriyama plant in 1994. The KrF excimer laser photoresist, which TOK developed in 1997, has been used by many semiconductor manufacturers as the global standard. TOK continued to strengthen its development and production systems in Japan and overseas, thereby solidifying its position as the top global manufacturer of photoresists in the high-added value niche field.

2000th Opportunity Expansion



ArF excimer laser photoresists

Zero Newton bonding machine



Example of final product: smartphone

Pioneering new blue oceans

TOK has also expanded its technological horizons by pioneering future blue oceans, including increasing the overseas sales ratio that exceeded 50% in 2004, the development of high-density integration material in 2003, and the development of 3D packaging equipment in 2008. TOK has continued long-run development via a frank and open-minded business culture, which led to a major leap in high-density integration materials from the 2010s, in addition to the key role played by the 3D packaging equipment in power semiconductors, which contribute to decarbonization.

TOK Taiwan Co., Ltd.



TOK Advanced Materials Co., Ltd.



EUV photoresists

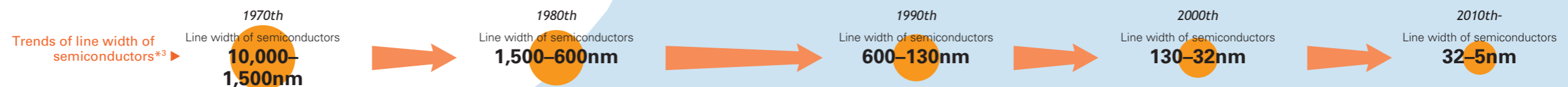


Target markets: 5G&IoT and AI

2020 Achieved the record-high performance

Pursuing innovative business by deepening customer-oriented strategies and marketing

To strengthen customer-oriented strategies in Asia with remarkable growth in the semiconductor industry, TOK Advanced Materials Co., Ltd., (South Korea) was established in 2012, and the Tongluo Plant of TOK Taiwan Co., Ltd., was established in 2014. A similar structure was also bolstered in the United States and Japan in response to the raw voice of customers through the trinity of development, manufacturing, and sales, while enhancing its marketing force, thereby establishing strengths in the cutting-edge semiconductor field of EUV photoresists.



*1 The accounts were closed on November 30 until 1987, on March 31 from 1988 to 2017, and on December 31 since 2018 (excluding irregular periods caused by changes in the fiscal year-end).
 *2 The photos of examples of final products on this page are conceptual images.
 *3 Includes TOK's estimates for the decades shown