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田岡化学工業株式会社

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Cutting-edge Chemicals

Japan's Taoka Chemical is pioneering exciting new technologies for industry.



Yasuaki Sasaki
President
Taoka Chemical Co., Ltd.

With economies all over the world relying on next-generation technology, semiconductors are growing in importance—as are the companies who contribute to their manufacture and development. Japanese firm Taoka Chemical Co., Ltd. is playing a key role in the industry with its revolutionary new material, NanoPapillon®. Pioneering new products has been in the business's DNA since its early days of making synthetic dyes, and according to President Yasuaki Sasaki, semiconductor manufacturing is now essential to the firm's future. "We proudly say that NanoPapillon® is a game changer in terms of material development, and very few companies in the world can achieve something like this," said Sasaki. The new material has diverse applications for semiconductors, such as light emission and acting as a sensor, as well as a scintillator that can glow on contact with beta-radiation and UV light. NanoPapillon® is just one of Taoka Chemical's innovative products. The team is currently developing optical resin monomers that can be used in imaging lenses and virtual and augmented reality systems. In terms of sustainability, the firm is also working on biodegradable solutions to tackle plastic pollution in the oceans. "A lot of people are talking about the harm posed by marine microplastic pollution, and there is a new trend to make plasticizers biodegradable," said Sasaki. With such a global outlook, overseas sales and partnerships are vital. Unlike many rivals in the field, Taoka Chemical is looking to Europe and, in particular, one path less traveled. "Turkey has a high population and stable industry—we think it is a very interesting opportunity that many have not yet discovered," said Sasaki.

