

SEIKOH GIKEN and TOKAI RIKA Jointly Develop Japan's First*¹ In-Die Painting Technology for Small Parts

—Enhancing Production Efficiency to Help Achieve Carbon Neutrality—

SEIKOH GIKEN CO., LTD. (Seikoh Giken) and TOKAI RIKA CO., LTD. (Tokai Rika) have been jointly developing Japan's first in-die painting technology for small parts for commercialization in 2025.

*1 According to Tokai Rika sources

Newly Developed In-Die Painting Technology

The newly developed in-die painting technology integrates the originally separate molding, painting, and drying processes entirely within the injection molding machine. Eliminating the painting and drying processes that produce large volumes of CO₂ reduces electricity consumption. Lower electricity consumption results in energy saving, while the attendant reduction in CO₂ emissions contributes to carbon neutrality.

At the same time, consolidating all processes into the injection molding machine makes it possible to remove the equipment previously necessary in each individual process, saving space in plants and enhancing production efficiency. All of this is achieved with no loss in appearance compared to the previous method.

Effectiveness of Improvements Resulting from the Use of In-Die Painting Technology

- Reduction in CO₂ emissions: approx. 60%
- Space saved in plants: approx. 80%

