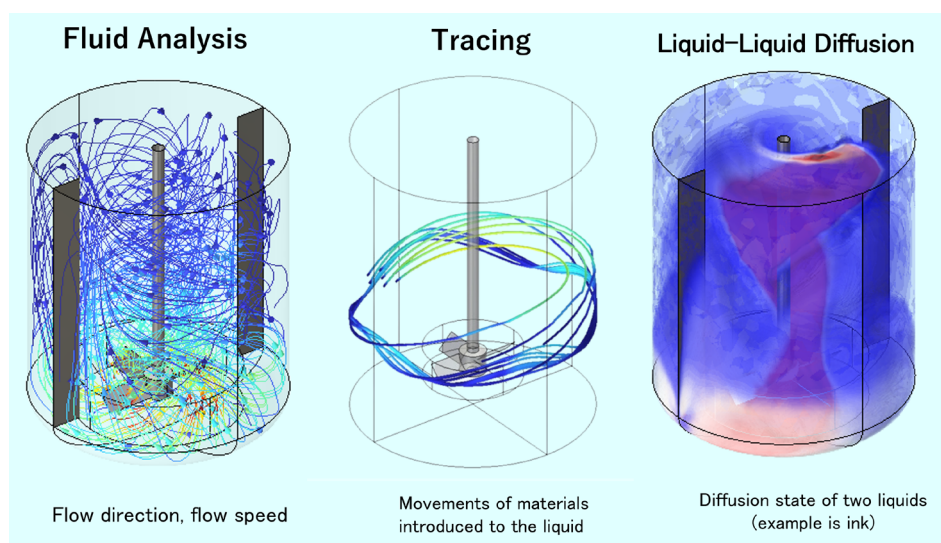


November 5, 2024

Nagase &amp; Co., Ltd.

## **Visualization of Mixing and Agitation Processes in Manufacturing** **Supporting DX for Manufacturing with Mixing Concierge™—Contributing to Improved** **Productivity and Knowledge Transfer**

Nagase & Co., Ltd. (Head Office: Chiyoda-ku, Tokyo; Representative Director, President and CEO: Hiroyuki Ueshima), as part of the growth strategy in its Medium-Term Management Plan ACE 2.0, has specified the four quadrants of Foundation, Focus, Development, and Improvement, and is carrying out its businesses along the axes of the trading, manufacturing, and R&D functions. Nagase has begun providing Mixing Concierge™\*, a Computational Fluid Dynamics (CFD) software service developed in-house specialized for mixing and agitating processes which enables anyone to easily perform fluid analysis for manufacturing. This initiative is part of the development of new businesses in the Development quadrant, and is expected to contribute to technology transfer and increased productivity through the promotion of digital transformation (DX) in manufacturing.



Although Japan's manufacturing industry has its strengths in developing and manufacturing high-quality products, with the slow adoption of DX, skills and knowledge are more and more held only by specific individuals, leading to difficulty in passing on skills and stagnation in improving productivity. One of the factors leading to the delay in DX adoption is the difficulty of introducing the CFD software used in manufacturing. Previous software required advanced specialized knowledge and expertise, creating difficulties in introducing it to businesses.

To address these challenges, the NAGASE Group, leveraging its expertise in manufacturing and

technologies, has developed this product, which can be easily used by any engineer. Pre-configured for immediate use, the product enables users to perform analyses with minimal operations, significantly reducing the learning curve compared to conventional CFD software. Additionally, users can benefit from end-to-end support through consulting services provided by process and analysis engineers, covering everything from implementation to post-analysis. Moving forward, we aim to expand the software's functionalities to encompass a broader range of mixing processes, such as powder and kneading, while enhancing our technical support offerings.

The NAGASE Group will utilize the expertise it has developed in the fields of manufacturing and research to provide services with an intimate understanding of the issues facing manufacturing, and support solving manufacturing issues.

**Mixing Concierge™**

Website: <https://www.nagase.com/jp/ja/products/mixing-concierge> (Japanese only)

**◆Inquiries**

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