

Innovation on Continuous Flow Chemistry Introduction of Ajinomoto OmniChem's Belgium Wetteren Site

In our Medium-Term ASV Initiatives 2030 Roadmap, we have identified four growth areas that leverage the strengths of "AminoScience." The healthcare domain is one of them, and specifically includes the contract drug development and manufacturing (CDMO) business and the amino acids for pharmaceuticals and foods business. In this issue of IR Topics, we will introduce the Wetteren Site of Ajinomoto Omnicem, a Belgium-based company that manufactures and sells raw materials for a wide range of fields, such as pharmaceuticals and agricultural materials.

Using the brand name Ajinomoto Bio-Pharma Services, the Wetteren Site is engaged in contract manufacturing of active pharmaceutical ingredients for major pharmaceutical companies worldwide. Ajinomoto Omnicem has earned a high level of trust from the market through technological innovation, not only with its own technologies, but also by building a strong network with partner companies to secure a sustainable competitive advantage.

We have now conducted a proof of concept¹ of technology called Modular Type Package² in the automation of continuous flow production³ of small molecule pharmaceuticals. This technology will enable the production of active pharmaceutical ingredients in a more ecologically sustainable manner, reducing solvents, reagents, and energy. This concept features flexible scalability, and we are preparing for the future to create new business opportunities. We are bringing this new initiative to reality with the full cooperation of our external collaborators, Beckhoff and COPA-DATA.

We invite you to watch the video in which Ajinomoto Omnicem and its partner company, Beckhoff, share their vision for the automation of modular plants.

1. Proof of concept: An effort to verify the feasibility of a new method or idea before entering prototype development.
2. Modular Type Package (MTP): A system that allows flexible plant design and optimization with a small amount of work through modularization technology that divides functions into independent units.
3. Continuous flow production: A method in which raw materials are continuously fed into production to obtain products. It is superior in energy efficiency and safety, and waste can be minimized.

↓Please click on the image below to move to the video.



Reference

Official website of Ajinomoto Omnicem: <https://www.ajinomoto-omnicem.com/>

The Ajinomoto Group will contribute to the well-being of all human beings, our society and our planet with “AminoScience” based on the corporate slogan “Eat Well, Live Well.”. The Ajinomoto Group has offices in 34 countries and regions, and sells products in more than 130 countries and regions. In fiscal 2023, sales were 1.4392 trillion yen (9.9 billion U.S. dollars). To learn more, visit www.ajinomoto.com.

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