

Smarter dishwashing thanks to AI

The new FLOW Line from innovation leader HOBART uses AI technology to save resources and make warewashing processes even more efficient. At the Internorga, HOBART presents the new generation of flight-type dishwashers with the **SMART VISION CONTROL** feature.

Offenburg, March 14, 2025 – With the FLOW Line, AI-supported warewashing technology meets smart automation solutions. The machine is a power package for every kitchen and ensures that everybody in the kitchen team can focus on their key tasks while all processes run smoothly – in a perfect flow.

Neuronal learning in the scullery

Using artificial intelligence, the feature **SMART VISION CONTROL** (patent pending) identifies every item that is loaded onto the conveyor, ensuring a perfect flow in the kitchen. The FLOW Line software has been trained with data of more than 80,000 pictures. The neuronal networks generated during this process identify the incoming wash ware within fractions of a second, and immediately adjust the respective wash parameters accordingly. In addition, optional **Performance Packages** further reduce the machine's consumption and increase operating safety so that inexperienced staff can handle the processes.

Optimal wash water thanks to AI

High levels of soil in the entry section of the machine result in high consumption of water and chemicals. The patent pending AI-based feature **ASR² automatic soil removal** identifies the soil degree of the wash ware that is put into the machine, and adjusts the soil removal cycle accordingly. This guarantees consistently high wash water quality and eliminates the need to change the water between dishwashing shifts.

Even more efficient with PREMAX inside

The FLOW Line combines a high level of economy and best wash results with extremely comfortable cleaning processes. The PREMAX inside features CLIMATE-PRO, LCI and LOW-FLOW support this.

With the **CLIMATE-PRO heat pump**, the thermal energy contained in the exhaust air is completely regenerated by means of state-of-the-art technology and returned to the wash process and now also to the drying process. This not only significantly reduces the energy consumption of the FLOW Line but also the operating costs.

The FLOW Line with the optional PREMAX inside feature **LCI detergent saving system** ensures that the detergents consumption is reduced to the required minimum. A sensor in the wash tank continuously checks the quality of the wash water and regenerates it as necessary. This reduces the detergents consumption by up to 30 per cent. The new **LOW-FLOW rinse system** saves a lot of water. Precision nozzles arranged at an inclined position and the fine atomisation of the fresh water in combination with an upstream drip section can reduce water consumption by a considerable 40 per cent.

Quick and simple soil management

Hygiene is the key factor when handling glasses, cutlery and dishes. For this reason, a regular and thorough cleaning of the dishwasher is essential. The **AUTO-CLEAN self-cleaning system** makes the daily cleaning routine of a dishwasher easier and faster than ever before – and thus increases the likelihood of your staff to actually carry it out every day. The sophisticated arrangement of the dedicated cleaning nozzles ensures automatic cleaning of the machine's interior as well as the heat recovery system. To guarantee that the highest hygiene standards are met, only fresh water is used for cleaning.

In addition, operator-friendly features such as the **patented wash arm sliders, numbered wash and rinse arms**, the **colour-coded cleaning assistants** or the new **universal curtain**

system help to minimise the effort required for the small number of manual work steps for daily machine cleaning.

Intuitive control

The standard **VISIOTRONIC control** of the FLOW Line offers full overview on the 5-inch display. The modern full-touch control with colour display and intuitive menu navigation ensures fast, uncomplicated operation, even for inexperienced kitchen staff. All key information on operating modes, status and temperatures are shown clearly and concisely.

For more information, go to www.hobart-export.com/flow

Photos



Caption: The new generation of flight-type dishwashers uses AI-based technology for a more efficient workflow



Caption: The AI-based feature SMART VISION CONTROL identifies the type of wash ware that enters the machine, and guarantees optimum wash results with minimum water consumption

Credit:

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Based in Offenburg, Germany, HOBART leads the world market in commercial warewashing technology. We serve customers such as hotels, restaurants and caterers, bakeries and butcheries as well as supermarkets, airlines, cruise ships, automotive suppliers, research centres and pharmaceutical companies across the world. HOBART develops, produces and sells warewashing and cleaning, cooking, food preparation and waste treatment appliances and systems. The company has a global workforce of 6,900 employees, approximately 1,100 of them in Germany. HOBART is a subsidiary of the US Illinois Tool Works (ITW) Group, which manufactures and sells a variety of products; the group has a staff of 46,000 employees in 800 independent companies in 51 countries.