

Press release
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Miele presents a compact machine for enhanced performance and flexibility in industrial parts cleaning

- ▶ Circulation pump with variable speed adapts to the requirements in question
- ▶ For metal, plastic or electronic parts, optics, watches or medical instruments and implants
- ▶ Simple and intuitive operation via touch colour display

Gütersloh, March 3, 2025 – Miele's new cleaning machine is a compact solution for demanding tasks in the field of industrial parts cleaning. The PLW 8636 IPC model, which is just 90 centimetres wide, can be used to clean metal, plastic and electronic parts such as solder frames and PCBs as well as optics, watches, medical instruments and implants. The technical highlights include the most powerful circulation pump in this machine class, a programmable logic controller (PLC), a particularly powerful drying unit, optimised spray arms and an easy-to-use touch colour display. The machine is initially available in Germany, Austria and Switzerland and will be gradually introduced in other countries.

At the core of all of the functions is the industry-tested PLC, which allows users to flexibly create their own programmes. There are 26 permanently installed programmes, some of which are available in three power levels which adapt the water quantities and pump speed as needed. Furthermore, authorised specialists can make changes to all other process parameters, which are displayed as full text on the large, intuitive touch colour display.

Full effect in every cleaning and rinsing phase

The frequency-controlled circulation pump is designed for a water flow rate of up to 600 litres per minute and is therefore the most powerful pump in this compact machine class. As the speed can be controlled according to requirements, the spray arms fully effective in every phase of the programme – even when the machine is fully loaded. This efficiently removes filmic and particulate contamination while protecting sensitive parts. All basket spray arms are equipped with nozzles on the top and bottom, enabling particularly uniform spray coverage when combined with the powerful pump. As a result, the technical cleanliness of all parts can be achieved in a reliable and reproducible manner.

A flow heater outside the chamber heats the process water. It does not matter if parts to be cleaned are heavily contaminated – and there is no need to pre-clean them manually. A gap-free welded, high-quality stainless steel wash cabinet and an integrated water softener, which is regenerated using a separate programme, also ensure the best results.

A conductivity sensor and redundant temperature sensors monitor the cleaning and rinsing processes. Furthermore, the new machine can be optionally equipped with additional monitoring functions: up to four dosing pumps that can be adjusted to the particular application and up to four calibratable flowmeters also create the best conditions for reproducible cleaning results. When cleaning materials that must not come into contact with pure water, the cleaning agent and water can be introduced into the chamber at the same time.

Drying with higher air throughput than ever before

With an air throughput that is 10 per cent higher than on the predecessor model, the new drying unit is more powerful than ever. An upstream and easily accessible HEPA filter H14 effectively removes particles from the drying air. This means that the machine fulfils the highest requirements with regard to technical cleanliness in accordance with VDA 19 or ISO 16232 and is even suitable for clean room applications.

Thanks to the ergonomic loading height of 80 centimetres, operators can easily load and unload this unit. The EasyLoad system – a convenient loading system comprising baskets and inserts – has already proven its worth in many cleaning applications. It offers the best conditions for secure positioning of industrial parts. The solid machine door can be loaded with up to 50 kilograms when open. A convenient and space-saving drawer is provided for storing cleaning agents.

The cleaning machine can be connected to a local network via an Ethernet connection. Process documentation systems can be connected via REST/JSON-based communication, enabling fast data transfer in a wide range of formats. The benefit for customers and their day-to-day work is that the existing infrastructure can continue to be used, keeping costs and effort manageable.

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About Miele: For more than 125 years, Miele has lived up to its brand promise of “Immer Besser” in terms of quality, innovation and timeless elegance. Founded in 1899, the globally active company for premium domestic appliances inspires customers with pioneering solutions for the connected home. In addition, Miele offers appliances, systems and services for commercial use, such as in hotels or care facilities as well as in medical technology. With its durable and energy-saving appliances, Miele helps its customers make their daily lives as sustainable as possible. The company is owned by the two founding families, Miele and Zinkann. In the 2024 business year, Miele generated a turnover of 5.04 billion Euros with approximately 23,500 employees. Its global network comprises 19 production plants and around 50 service and sales subsidiaries (as of February 2025). The company has its headquarters in Gütersloh, North Rhine-Westphalia.

There are seven photographs with this text



Photo 1: The compact PLW 8636 IPC cleaning machine from Miele is just 90 centimetres wide and can be used for demanding tasks in the field of industrial parts cleaning. (Photo: Miele)



Photo 2: In addition to cleaning, the machine also enables passivation and thus significantly improves the corrosion resistance of the parts. (Photo: Miele)



Photo 3: All programme steps are displayed as full text on a large, intuitive colour touch display. Authorised specialists can adjust all of the parameters – without requiring support from Miele Service. (Photo: Miele)

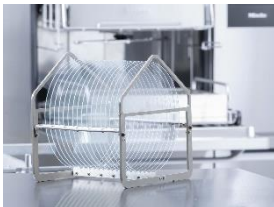


Photo 4: Outstanding results: even sensitive materials such as these glass wafers can be cleaned with the required precision thanks to Miele's new cleaning machine and its range of programmes. (Photo: Miele)



Photo 5: Miele's new PLW 8636 IPC cleaning machine is suitable for a wide range of applications, including cleaning watches. (Photo: Miele)

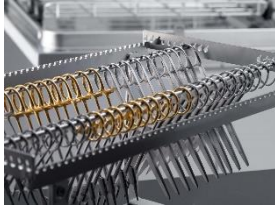


Photo 6: Medical instruments and implants need to be cleaned to remove residues from manufacturing processes. The PLW 8636 IPC cleaning machine is ideally suited to this task. (Photo: Miele)



Photo 7: Assembled, unassembled and misprinted PCBs, solder frames, stencils and solder masks are cleaned and dried in the field of electronics. (Photo: Miele)

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