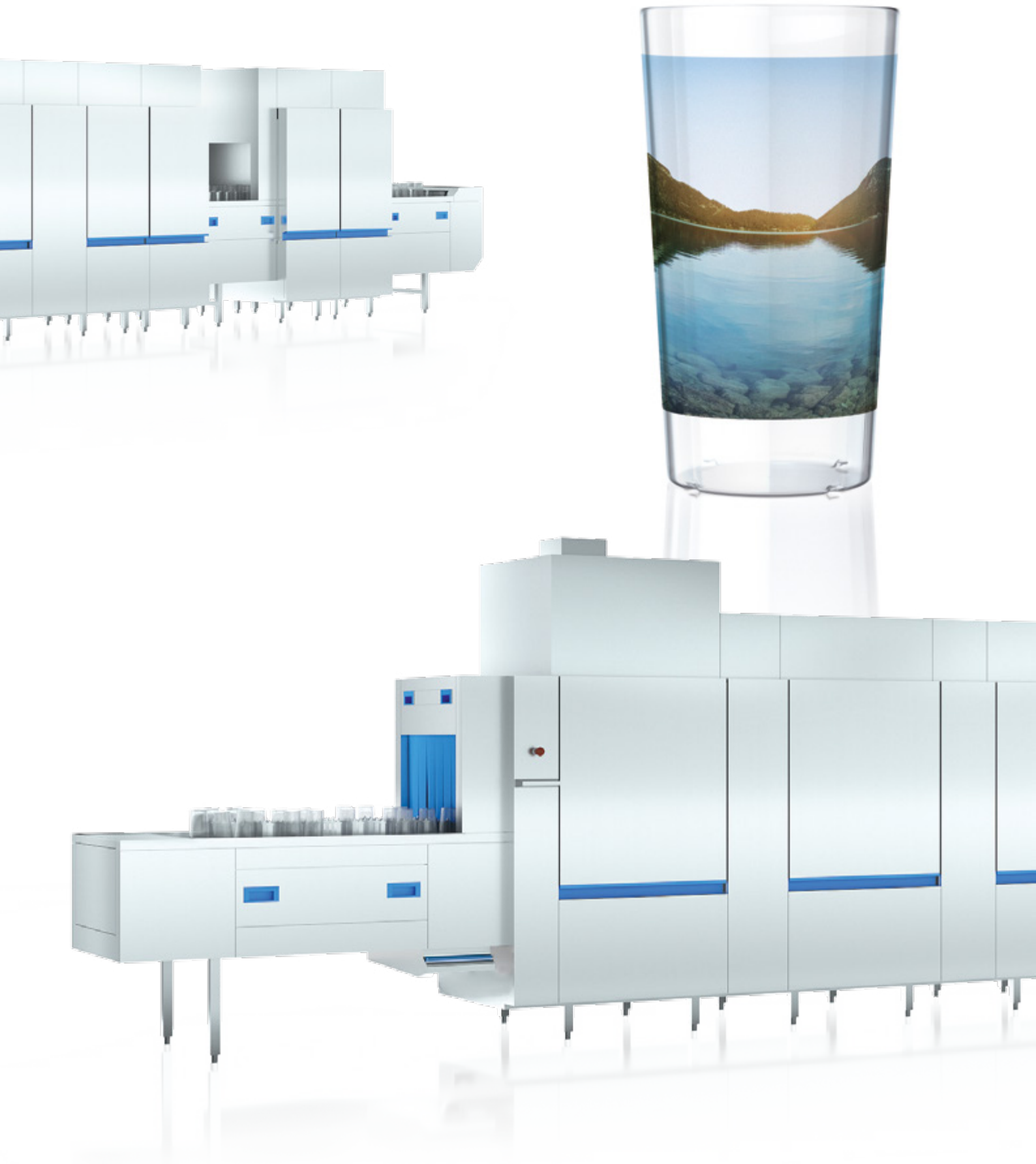


M-iQ Cup

A flight type dishwashing machine for plastic cups and more





3,000 to 15,000 cups per hour

The professional solution for **catering** and **food service at festivals**: get your reusable cups clean and ready to **use again quickly** or **dry and ready to store hygienically**.

REDUCE, REUSE, RECYCLE

Opting for reusable dishware directly helps our planet.

As a sustainable company, it was back in 2008 that MEIKO launched to market its first flight type dishwashing machines for reusable plastic dishware like cups and bowls.

The latest *M-iQ Cup* flight type dishwashing machines are exceptionally quick and economical, and they deliver hygienic and perfectly dry results. The patented conveyor protects the plastic dishware, extending its useful lifespan.

M-iQ Cup highlights

The *M-iQ Cup* is another milestone for MEIKO: it comes with all of the benefits of the pioneering *M-iQ* generation of machines, plus special features for washing and drying reusable plastic washware like cups, bowls and others. It delivers the highest level of clean, incredible efficiency and the perfect balance of resources needed but no more.



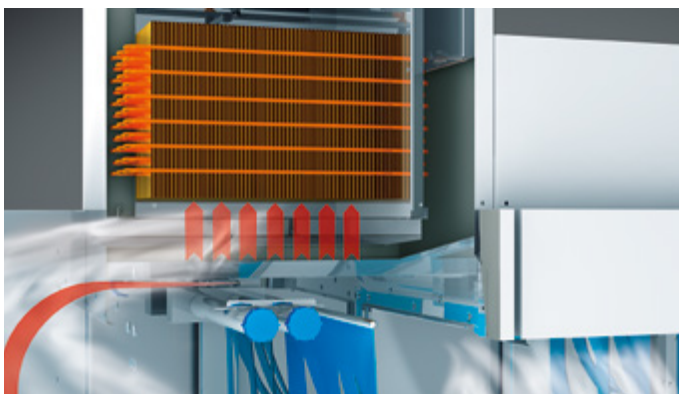
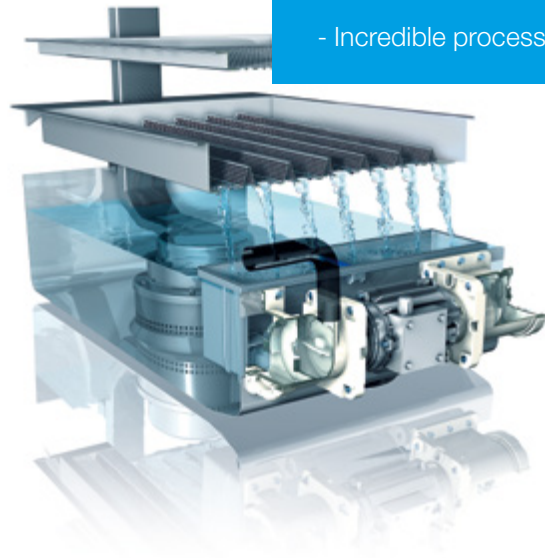
M-iQ AirConcept

- Exceptional energy efficiency
- No direct exhaust air connection

M-iQ filter

- Specially designed filter system
- Active dirt removal
- Incredible process efficiency

One of the most impressive features of *M-iQ* machines is the *M-iQ filter*. This filter system does an amazing job, delivering top-notch cleanliness while significantly reducing the use of water and detergent. It does this by actively removing filtered food waste from the warewashing process. The filter collects food residue from the water and periodically washes it out of the tank – without requiring any additional water. That's the unique *M-iQ* recipe for outstanding cleanliness.



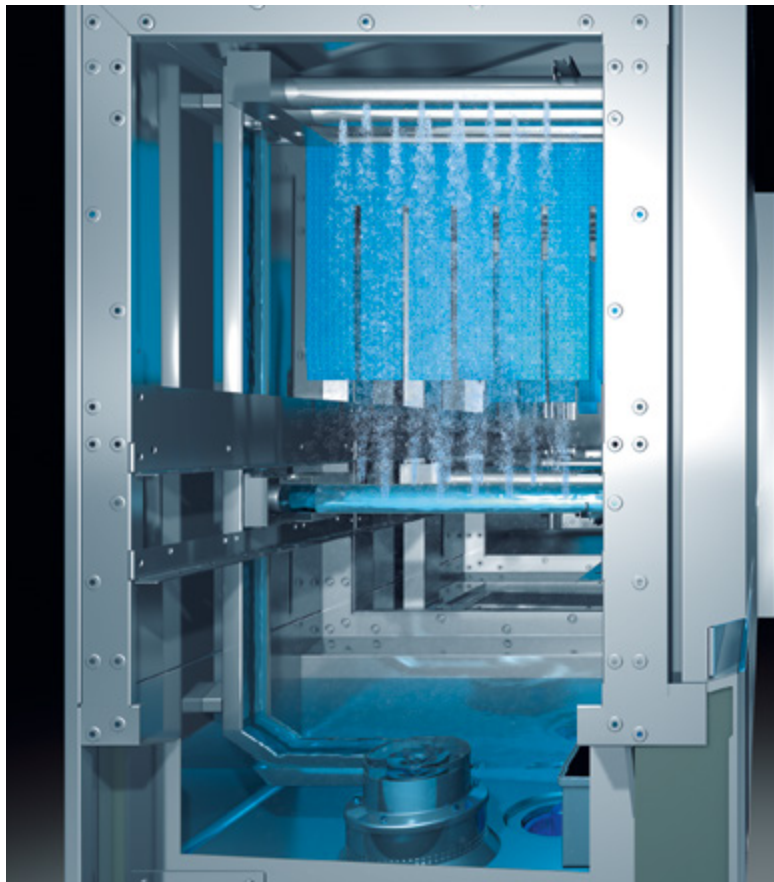
M-iQ energy concept

- Three levels of heating performance
- Dynamic adjustments
- Optimised energy usage

Cool: heat convection is redirected to the pre-wash zone, cooling the steam and vapour while heating the incoming fresh water.

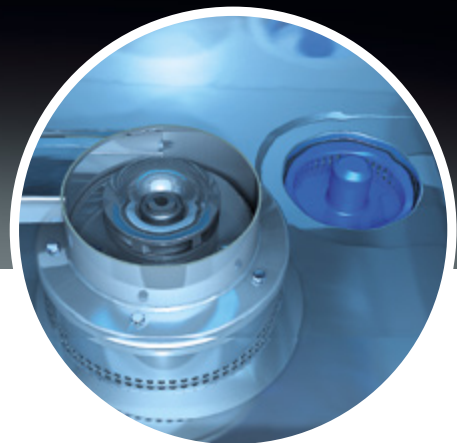
M-iQ Cup washing dynamics

High-powered cleaning



M-iQ washing dynamics

- High pressure – reduced volumes
- Optimised flow geometry
- Excellent washing performance



The machine's self-emptying, stainless-steel wash pump is a powerful feature.



Integrated reverse osmosis technology

Integrated *GiO-TECH* technology (optional) removes almost all minerals from the water, as well as bacteria and viruses. This ensures that only the purest water is used for the final rinse. Such water is the key to brilliant and hygienic rinsing results. With its simple, compact design, the *GiO-TECH* module is a great addition to any planned installation!



M-iQ Cup tank management

Taking hygiene to a whole new level



As you would expect, our innovative *M-iQ filter* is hard at work in every single tank. Together, the filter and tank make an outstanding team.

But the really clever part is how the filter system works in the opposite direction to the movement of the dishes. Any residual dirt is collected and concentrated well away from

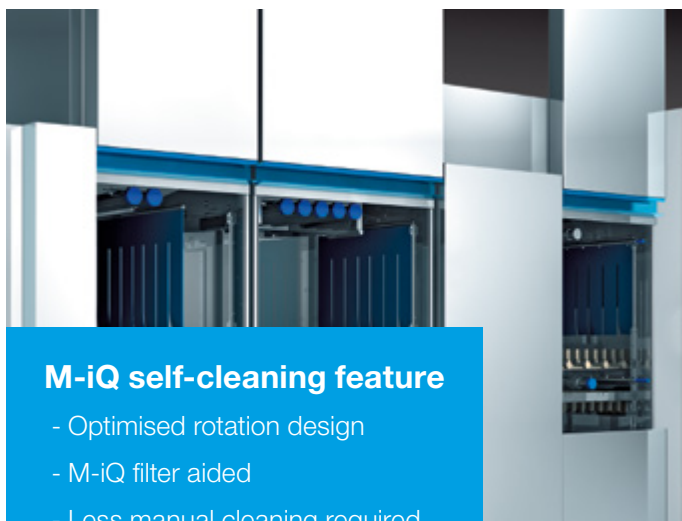
the clean washware in the hygienic area, so the clean side stays genuinely clean at all times. We also keep an eye on the water level within the tanks. The *M-iQ filter* monitors the process and channels the water into the next tank – or into whichever tank currently needs water.

It's a smart solution: the machine has one working direction and the filter removes dirt in the opposite direction, so the tank on the clean side is always the cleanest.



M-iQ tank management

- Smart level regulation
- Efficient use of resources
- Excellent economy



M-iQ self-cleaning feature

- Optimised rotation design
- M-iQ filter aided
- Less manual cleaning required

The smart self-cleaning programme on the *M-iQ* works alongside the blue operating concept to reduce the staff hours required for cleaning, increasing your operational efficiency.

The smart cockpit of your dishwashing machine

MEIKO Connect makes it easier to monitor professional kitchens. Simply use your smartphone to monitor all the essential machine and hygiene data for your MEIKO dishwasher – it couldn't be easier!

Scan the QR code to get started



M-iQ Cup drying

M-iQ AirComfort drying

This drying system is specially optimised for cups and works with several drying modules, like the vibration drying zone. All are perfectly tailored to work together and deliver up to 15,000 cups/h, all ready for stacking when they exit the machine.

Vibration drying zone

The vibration drying zone is part of the *M-iQ Cup*'s unique drying system. The conveyor vibrates, shaking off water droplets on or in the cups in a highly effective process.

Fresh water final rinse

A final rinse specially optimised for plastic cups.

Pre-wash tunnel

Key to washing plastic items: the zone prepares the washware for the rest of the process in a fresh water pre-wash that is regulated by a thermostat. This enables any bacterial spores (e.g. *Bacillus subtilis*) to be effectively washed off later in the process.

MEIKO ACTIVE

MEIKO ACTIVE detergents provide optimum cleaning results, even with difficult-to-handle dirt. And *MEIKO ACTIVE* rinse aids are specially developed for use with plastic dishware and cutlery to give you exceptional drying results.



Climate zone (optional)

Cooling the washware in the climate zone prevents the moisture in the air from condensing on the inside of the plastic cups as they cool off.

In practically all cases, using the climate zone means the cups are immediately ready for storage. They can be stacked and packed away the moment they exit the washing and drying process.

The climate zone can be supplied by a standard split air conditioner.

M-iQ AirStream technology

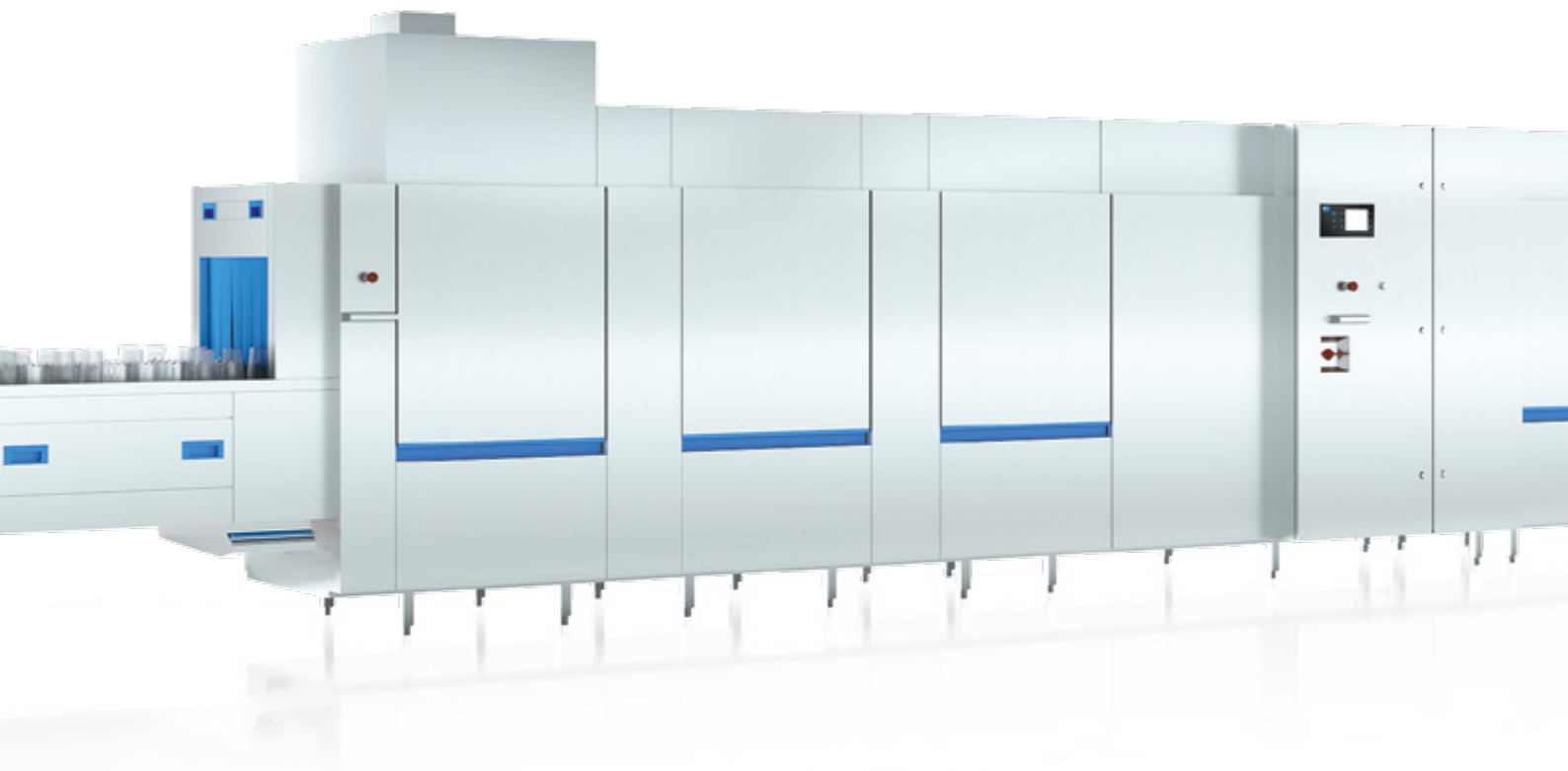
Four air circuits produce a specially guided flow of air (360° drying). This keeps the energy within the system and ensures perfect drying results. The movable air nozzle, which adapts to the different heights, guides the air stream optimally to the washware. The closed air circuit improves the energy efficiency and prevents the warm moist air from escaping at the discharge section. That in turn makes operation more convenient and enhances staff morale.

Rest zone

The cups dry off further in this open area.

Finger belt

The specific design of the finger belt and how it works means that there is practically no contact surface between washware and belt. The rim remains completely free and the cup interior is close to it. That allows the cups to move around freely, which assists both the washing and drying processes, producing even better results.



MEIKO
ACTIVE



For sustainable hygiene and impressive washing results, MEIKO recommends cleaning and hygiene products made by **MEIKO ACTIVE**.

Complies with the hygiene requirements of DIN SPEC 10534.

