




**KEN** HYGIENE SYSTEMS®



**KEN IQ-SERIES**  
**LIFE SCIENCE**



**ZIRBUS**  
TECHNOLOGY



# INTELLIGENT QUALITY

The Future of Efficient Washing



# ADVANCED HYGIENE TECHNOLOGY

The mission of our KEN IQ series is to provide our customers and users with the ultimate intelligent hygiene solution for their daily needs.

Emphasis has been placed on the increasing demands for high capacity, flexibility, efficiency, documentation and reduced process times.

The IQ series is environmentally optimized and takes the future of washing, disinfection and drying to a new level.

Inputs from our users' experiences have been a strong inspiration for this series of user-friendly Washers for the Life Science industry with a unique hygienic design.

Reliable, exclusive design and ultimately process safety are strong motives in the development of our KEN IQ series.

# PROVEN PERFORMANCE, RELIABILITY AND SPACE-SAVING DESIGN

The small carbon footprint and short cycle times makes the IQ-series a superior washing solution for laboratories and the pharmaceutical industry.

The IQ-series can be connected to local networks or the internet and be monitored from an external device. If the machine is connected to the internet, it is possible for KEN personnel to connect to the machine and assist with remote diagnostics and remote service.

Side-by-side installation and compact efficiency reduce the space needed and increase the productivity in a small area. Thanks to the user-friendly, intuitive and graphic display, the staff is able to monitor the progress of the washing cycles at all times to ensure the optimal use of resources.

The IQ-series even allows for robotic loading and unloading, which reduces the heavy lifting and improves the working environment significantly.

## The IQ series offer:

- ✓ Low water, energy and detergent consumption
- ✓ High productivity
- ✓ Better ergonomics
- ✓ Hygiene safety
- ✓ Possibility of remote service



# GLOBAL HEALTH AND WELL-BEING

An increasing focus on sustainable development places high demands on companies' work and decision making in relation to the UN Sustainable Development Goals.

A sustainable profile is necessary to remain competitive in the market and also show the outside world that you display social responsibility and take the environment into account.

Our process, in regard to choosing which goals to work with, began with the formation of a working group consisting of employees from different functions in the company with various insights into the company's processes.

With the participation of the entire organisation, the group has analysed the company and its stakeholders to identify the goals, where we believe that we can make the biggest difference.

## Our Vision

**We create global health and well-being by providing innovative and sustainable hygiene solutions**

**We prevent infection and contamination as well as contribute to a good working environment and responsible resource consumption**

**We are a healthy and socially responsible company**



# FOOTPRINTS



## PHYSICAL FOOTPRINT

- Less floor space required
- Larger capacity
- Side-by-side installation
- Service from the front



## ENVIRONMENTAL FOOTPRINT

- Low water consumption
- Low power consumption
- Low use of chemicals
- Low carbon dioxide emission



## FINANCIAL FOOTPRINT

- Huge consumption savings
- Service savings
- Accessories savings due to the Flexi-Rack system



## OPERATIONAL FOOTPRINT

- Graphic swipe display
- Fast cycle times
- Low noise level
- Better ergonomics



# KEN IQ3

- Two sizes: One with a built-in drying module and a narrower version without drying
- External dimensions:  
Without drying: H: 840 x W: 600 x D: 630 mm  
With drying module: H: 840 x W: 900 x D: 630 mm
- Often used for washing of smaller equipment and glassware
- Can be installed as an undercounter model
- Delivered with a manual door that can be used as a loading platform
- Low consumption of energy and chemicals
- Up to 40 different programs
- High flexibility with a great selection of racks, modules, supports, distributors and other accessories to accommodate every need



# KEN IQ4

- External dimensions: H: 1790 x W: 600 x D: 700 mm
- Designed for use in smaller laboratories for washing various equipment and glassware
- Delivered with manual doors that allow for loading directly on the door
- Available with one or two doors. The two-door version ensures separation between unclean and clean side to ensure a high level of hygiene
- Ergonomic loading height of 750 mm for easy and safe handling
- Low consumption of water, energy and chemicals
- Up to 40 different programs
- High flexibility with a great selection of racks, modules, supports, distributors and other accessories to accommodate every need





# KEN IQ5

- External dimensions: H: 1985 x W: 662 x D: 712 mm
- Designed for use in laboratories to wash various equipment and glassware
- Two different models:  
IQ5M is delivered with one or two manual doors  
IQ5 is delivered with one or two automatic doors
- The two-door version ensures separation between unclean and clean side to ensure a high level of hygiene
- Ergonomic loading height of 750 mm for easy and safe handling
- Automatic loading and unloading
- Allows robotic handling by our AL10
- Low consumption of water, energy and chemicals
- Up to 40 different programs
- High flexibility with a great selection of racks, modules, supports, distributors and other accessories to accommodate every need



# KEN IQ6

- External dimensions: H: 1985 x W: 820 x D: 936 mm
- Designed for use in laboratories to wash equipment and glassware
- Delivered with one or two automatic doors
- The double door model ensures an effective barrier between the unclean side and the clean side.
- Ergonomic loading height of 750 mm for easy and safe handling
- Automatic loading and unloading
- Allows robotic handling by our AL10
- Low consumption of water, energy and chemicals
- Up to 40 different programs
- High flexibility with a great selection of racks, modules, supports, distributors and other accessories to accommodate every need



# KEN IQ6 GMP

- External dimensions: H: 1985 x W: 900 x D: 936 mm
- Utensil Washer designed for use in GMP areas. The machine is designed, manufactured and documented according to global standards to facilitate Customer Compliance with current Good Manufacturing Practices (cGMP).
- Has two automatic doors. The double door model ensures an effective barrier between the unclean side and the clean side
- Ergonomic loading height of 750 mm for easy and safe handling
- Automatic loading and unloading
- Allows robotic handling by our AL10
- Low consumption of water, energy and chemicals
- Up to 40 different programs
- High flexibility with a great selection of racks, modules, supports, distributors and other accessories to accommodate every need
- Possibility of customized racks for cGMP



# KEN IQ10

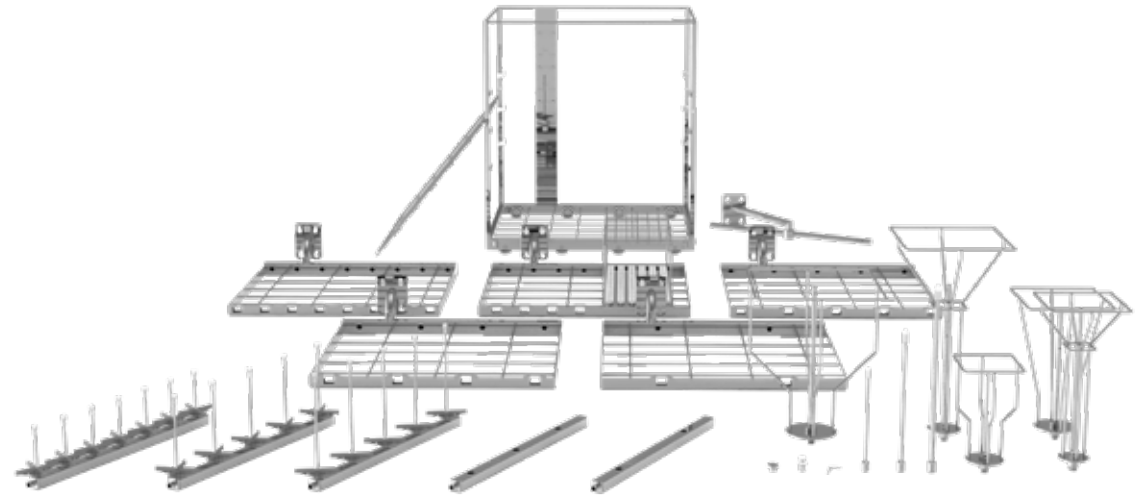
- Four models available with different chamber sizes
- External dimensions:  
IQ10: H: 2790 x W: 2540 x D: 2770 mm  
IQ10-W: H: 2790 x W: 2940 x D: 2770 mm  
IQ10-L: H: 2790 x W: 2540 x D: 3520 mm  
IQ10-LW: H: 2790 x W: 2940 x D: 3520 mm
- This machine is a Cart and Equipment Washer which can be used for washing and disinfection of larger size equipment
- Available with two automatic doors. The double door model ensures an effective barrier between the unclean side and the clean side
- Reduced water, energy and chemical consumption
- Up to 40 different programs
- Two standard preheating tanks to help reduce the cycle times and adjust the water temperature for each washing phase
- Available with a selection of different trolleys to suit different needs



# ACCESSORIES

The wide range of flexible accessories available for the KEN IQ series is designed to meet the requirements for cleaning of glassware in the Life Science industry and the Pharmaceutical industry.

It is possible to combine the different accessories to suit your specific need. The various combinations make it possible for you to wash all types of glassware and other equipment.



## The Flexi System

Our Flexi System makes it easy to equip the machine with the right accessories for any kind of wash load. It is possible to combine the various accessories in different ways, and with a few changes your interior design changes completely. This procedure is easily done and without heavy lifting of any kind.

You only need one rack and a set of different modules and distributors to be able to accommodate a great variety of laboratory glassware and other equipment. This system does not require any significant storage capacity and helps you avoid wasting precious space in the laboratory. This provides a high level of flexibility as the rack can easily be adjusted to the different needs in the laboratory - as well as accommodate any possible needs in the future.



# KEN LOGISTIC SOLUTIONS

**KEN HYGIENE SYSTEMS offers a wide range of logistic solutions ranging from the simple solution to the fully automated solution with a robot.**

- **Machine with manual door**  
A machine with manual doors can operate without transport trolleys as the rack is pulled out on the door and can be filled and emptied directly on the door. This solution can be useful in smaller laboratories with limited space.
- **The manual loading trolley**  
This trolley locks to the machine and can be released with a single hand, thus making it very user-friendly.
- **The automatic elevation transport trolley**  
This almost works like the manual trolley, however it can be adjusted in height. It has several pre-programmed heights and it can easily and quickly be programmed on site. The height adjustment is electronic and extremely ergonomic.
- **Automatic loading and unloading**  
The machines can have automatic loading and unloading in addition to the trolley. Thereby, the personnel can avoid having to push and pull the heavy and warm racks in and out of the machine.
- **Automatic loading and unloading with RFID**  
This works as an automatic loading and unloading system. With RFID tags on the racks, the machine will automatically know which program to choose. This feature eliminates the risk of choosing the wrong program. Likewise, a program can be started without human presence.
- **Fully automated logistic solution system**  
The KEN AL10 is the optimal logistic solution for transporting racks to and from washers. The RFID tags tell the robot exactly which washing machine that are suitable and available for washing the desired load.



2919300 - Manual loading trolley



7609529 - Automatic elevation transport trolley



# KEN AL10

## Automatic Robot Solution

The AL10 is a robotic system that handles the transport of racks. The system can be used for IQ5 and IQ6.

The robot relieves the staff so they do not have to handle the manual transportation of the heavy goods. This allows them to focus on other important tasks. The AL10 helps to automate the heavy pushing, lifting, twisting and bad working positions that the staff would otherwise have to perform.

The AL10 can increase the productivity and flexibility, and it meets the specific requirements for ergonomics and contribute to a better working environment.

By replacing manual trolleys with this automated solution, the noise level is significantly reduced. It is possible for the users to work side by side with the robot, since it is able to navigate around dynamic objects.

In addition, the robot ensures efficient operation, as it offers continuous operation around the clock.



ZIRBUS Technology Benelux B.V.  
Stephensonstraat 13  
4004 JA Tiel, Netherlands

Telephone +31 (0)344 – 63 28 16  
Telefax +31 (0)344 – 61 86 67  
E-Mail [info@zirbus.nl](mailto:info@zirbus.nl)  
Internet [www.zirbus.nl](http://www.zirbus.nl)

