

# Getinge Automation System

– for washer-disinfectors

**GETINGE**  
GETINGE GROUP



**A part of our user-centric range**

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## Designed for the user **when time is critical**

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To secure best routines for high efficiency in processing in smaller to larger sterile departments the entire circulation of sterile goods must be considered.

### **HOW IT WORKS**

Multiple washer-disinfectors are aligned side by side, with one shuttle moving along the front of the loading side, and another along the unloading side. The wash carts are loaded onto the automatic loading conveyor and as soon as one of the washer-disinfectors is available, the shuttle automatically picks up the next wash cart and delivers it to the free washer-disinfector. The washer-disinfector automatically selects the correct program, using a bar code mounted on the wash cart. No supervision needed.

Once the wash cart is placed on the loading conveyor, your staff is free to perform other tasks. Human error is minimized thanks to the fully automatic Getinge Automation Solution, including program selection by the washer-disinfector. Only when the goods have completed an approved cycle are they then automatically unloaded on the clean side and the next load will be picked-up.

The Getinge Automation System will maximize the throughput creating an optimal workflow no matter the size of your facility and for your staff this means “no more waiting”.

① **Hanging shuttle**

Frees floor area in front of washers for easy cleaning, and access, no moving parts inside the machine are used for loading/unloading.

② **Single infeed**

No wash cart ever gets into "the wrong line". The shuttle automatically delivers the next wash cart to the next free washer-disinfector. Balancing the workflow and machine usage.

③ **Easy operation with intuitive user interface**

The large CENTRIC touch panel ensures easy operation and ability to view washer cycle progress from across the department and guidance throughout the process.

④ **Built-in safety stop**

The shuttle is stopped at once on the slightest contact with anyone or anything in the way.

⑤ **Easy-to-clean rollers**

Smooth action, easy-to-clean removable rollers are used instead of conventional belts.

⑥ **Docking interface** for easier loading of wash carts.

AGS is fully compatible with the pre-cleaning station including ultrasonic module from the CM320-series.



**Pull-out Service frame (optional)**

Saves space by allowing a compact and easy installation.



**Turntable conveyor (optional)**

Automatically rotates the wash cart 90° giving great flexibility accommodating the needs of just about any building layout.



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## Customized to your needs, using the space you have

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### **THE BARRIER SYSTEM**

Getinge's designers focus on the barrier principle, ensuring clear separation of soiled, clean and sterile zones. The zones are separated by pass-through washer-disinfectors. Our experts can create an optimal solution no matter the size of your facility. You would be surprised to see how smartly hygiene safety can be secured even in really small or difficult spaces.

### **MAXIMIZED PRODUCTIVITY**

Getinge's automatic loading and unloading conveyors have an ergonomic design with integral wheel drive assist for easier handling of wash carts. The modular conveyors also serve as a wash cart staging area for maximized productivity and throughput in the department.

The conveyors can also be equipped with fully automatic turntables on the soiled and/or clean sides, giving more flexibility for almost any building layout. In addition the turntable gives a possibility to configure the system according to the capacity you need rather than the space available.

### **ERGONOMIC DESIGN**

Our washer-disinfectors and automation systems are designed with the user in mind to increase productivity by minimizing bottle-necks and risk for human errors. We do this by creating highly ergonomic and user-friendly equipment while keeping water and energy consumption to a minimum helping you provide better care at a lower cost.

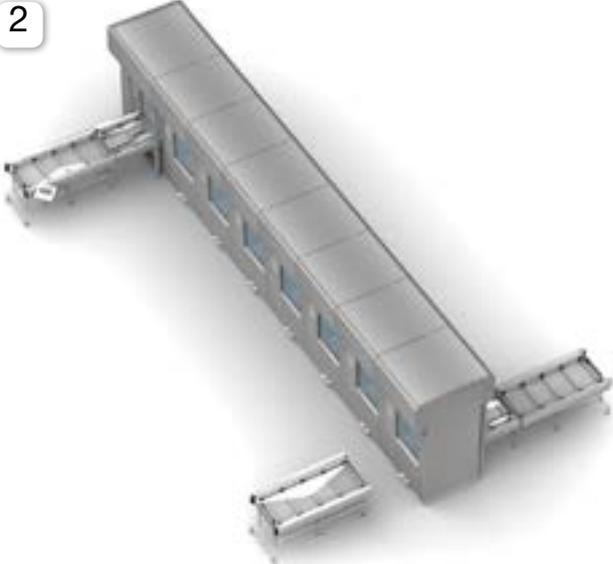
**SINGLE SIDED AUTOMATION**

1



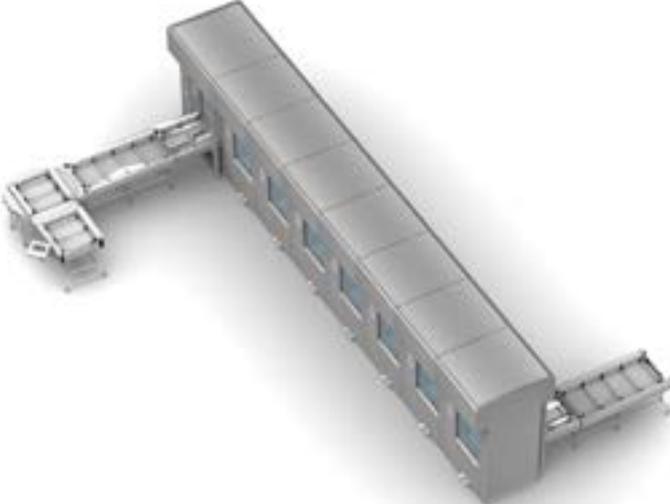
**MULTIPLE LOADING STATIONS**

2



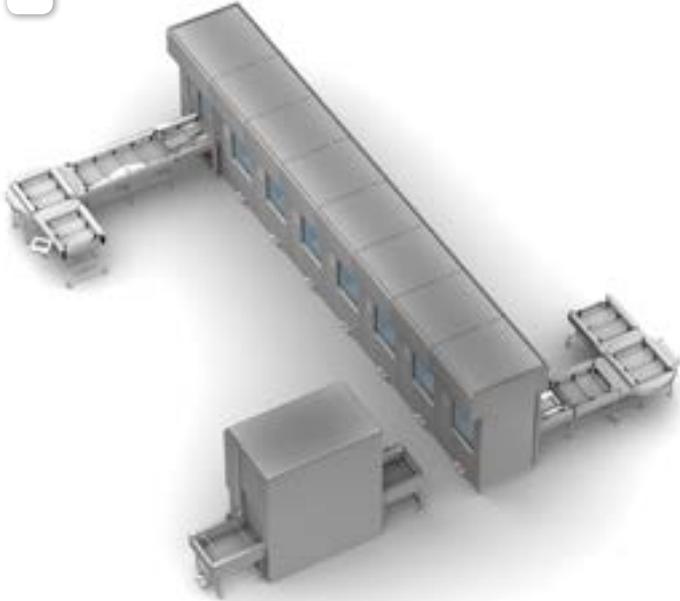
**AGS WITH TURNTABLE**

3



**PRE-CLEANING STATION**

4



# Our **CENTRIC** user interface makes you the expert

Getinge's CENTRIC interface is a highly innovative, unified user-centric system where we have turned specific customer feedback and an in-depth understanding into a very positive user experience.

## **EASY OPERATION**

The same principles of clear, logical display of information using CENTRIC in our new washer-disinfectors and sterilizers is also an advantage for the Automation System. A system overview is displayed on the screen with the status of each washer-disinfector. Users and/or service technicians can easily adapt the system to sudden changes in the workflow using the AGS panel.

## **CLEAR INFORMATION**

Remaining process time and start-up choices are presented clearly and in logical order. Uncluttered information about goods and process status cuts the risk of human error. The intuitive, common sense operation is very easy to learn, reducing the need for training.

In addition the large, high-resolution displays on each washer-disinfector is easy to read, enabling staff to clearly see and monitor progress status from a distance, thereby improving user satisfaction and productivity even further.

With CENTRIC, Getinge takes another huge step forward in providing innovative, integrated solutions with a user-centric focus, leading to significantly improved processing efficiency.



*CENTRIC provides status at a glance with clear information for each washer-disinfector – even from a distance.*



*Interactive configuration layout - showing AGS status.*

# Truly connected

## GETINGE ONLINE

Like other equipment in our new range, Getinge 86-series is connected 24/7 to Getinge Online – a unique encrypted service that makes information from your equipment accessible from online computers or smart phones. This secure link covers real-time and historical performance information, troubleshooting notifications and step-by-step help for solving problems quickly.



*Getinge Online enables fast, proactive troubleshooting to keep you up and running.*

## T-DOC

Getinge's world-leading instrument traceability and asset management solution, developed to cater to all aspects of your instrument management. By providing you with a real-time overview of your instruments and related supplies, T-DOC allows you to optimize investments and secure an overall high quality level of hospital operations.

You always have a documented record – and you always know where your instruments are when you need them.



## MONITORING BOARD

The Online monitoring screen enables viewing current equipment status, giving you full control of remaining process time, alarms and warnings – without even having to go to a computer or washer-disinfector.

# Ergonomic transportation of goods from clean to soiled

The Getinge Return Conveyor is fully automatic and brings the empty carts back from the clean side back to the soiled side. Automatic rollers on the conveyors makes the loading and unloading of carts easy and minimizes the strain for the operator. It is adapted to be used with single or multiple Getinge 86/88/CM320-series washer-disinfectors.

## SEPARATE CONVEYOR SYSTEMS BETWEEN SOILED AND CLEAN SIDES

To prevent cross-contamination, the pass-through hatch is automatically operated via a sensor, and the special pass-through chamber has a double hatch with an interlock and a conveyor module accommodating one wash cart.

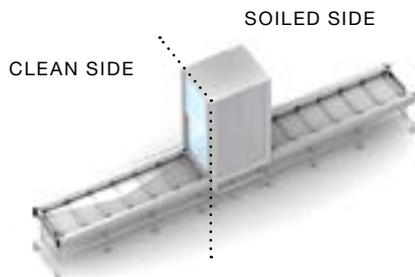
## SPACE-SAVING TURNTABLES

In addition, the Getinge Return Conveyor can be equipped with turntables on one or both sides of the barrier – for optimal capacity regardless of building layout. The turntable auto-rotates the wash cart 90° for transport forward, then returns to receive the next cart.

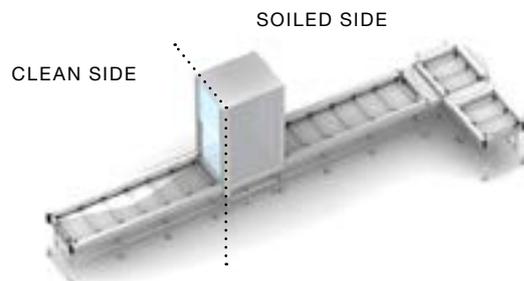
## ERGONOMIC AND HYGIENIC DESIGN

Getinge Return conveyor is ergonomically designed and equipped with plain start-stop-reset buttons for hassle-free operation. It runs silently and has a hygienic construction. It is easy-to-clean and prepared with a drain. The independent drive roller design minimizes energy consumption and operation costs.

1 With pass-through chamber



2 With pass-through chamber and turntables



Also available with a pass-through hatch with or without turntables.



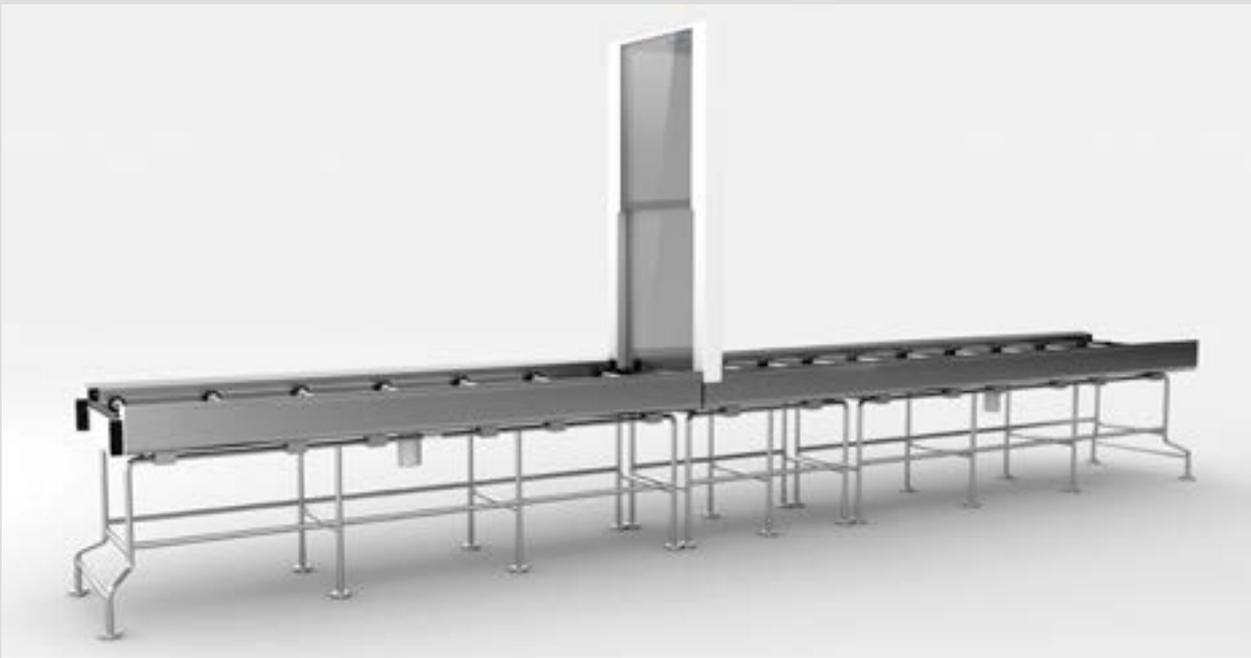
#### **Pass-through chamber**

A double hatch with both an interlock and a conveyor module to prevent direct air exchange between the clean and soiled side of the department. The pass-through chamber is available both as an individual unit as well as integrated on the automatic return conveyor.



#### **Turntable conveyor (optional)**

Automatically rotates the wash cart and offers great flexibility by enabling conveyor configurations for just about any building layout.



#### **Pass-through hatch**

The pass-through hatch helps prevent cross-contamination and it is automatically operated via a sensor on the return conveyor. The hatch is also available as an individual pass-through window without the conveyor.

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## Increased throughput with Getinge automatic loader/unloader

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Getinge's automatic loading and unloading conveyors can be used to increase the efficiency of Getinge 86/88-series washer-disinfectors without implementing a large scale automation system. Using automated loaders and/or unloaders with single, free-standing units demonstrates the full flexibility of the Getinge Automation offering in meeting the demands of all facility sizes; small to large.

### **MOTOR-DRIVEN FOR EASY HANDLING**

The freestanding and hygienically designed conveyors have motor-driven rollers which provide easy loading and unloading of the wash carts into the washer-disinfector and onto the transport trolleys.

### **SAFE, USER-FRIENDLY AND EFFECTIVE**

The conveyors' automatic function and good ergonomics. A minimum of waiting time between cycles increases the washer-disinfector throughput without causing additional operator stress. An electrically driven linear motor arm adds to safety while eliminating the need for air supply. The user-friendly operator interface is fully automatic and easy to reset with a single-touch button. Its hygienic design with removable drive shafts and integrated drain make it easy-to-clean. The sliding top allows for easy access to the detergent cabinet without moving the loader.



# Automation System **overview**

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Automatic AGS for 3–10 washer-disinfectors



Automatic loader and unloaders with 1–2 wash carts capacity



Automatic return conveyor for 2–18 wash carts with pass-through hatch or chamber



Freestanding pass-through hatch and chamber for safe and easy handling between the decontamination and packing area

The Getinge Automation System will maximize the throughput and for your staff this means “no more waiting”.

**Believe us, it's the system you've been waiting for.**

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**GETINGE GROUP**

Getinge Group is a leading global provider of products and systems that contribute to quality enhancement and cost efficiency within healthcare and life sciences. We operate under the three brands of ArjoHuntleigh, Getinge and Maquet. ArjoHuntleigh focuses on patient mobility and wound management solutions. Getinge provides solutions for infection control within healthcare and contamination prevention within life sciences. Maquet specializes in solutions, therapies and products for surgical interventions, interventional cardiology and intensive care.

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