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The Getinge **da Vinci** Solution

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# State-of-the-art solution, validated and ready for **robotic-assisted** surgery

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For over 100 years, Getinge has consistently delivered high-performance processing and sterility assurance products that always meet the most demanding industry standards and that can be trusted to give reliable results.

Today we also meet the demands of robotic-assisted surgery. Specifically, we have developed a tailor-made solution for *EndoWrist*® instruments – the surgical instruments used in the *da Vinci*® system for robotic-assisted surgery from Intuitive Surgical.



## **Simplified disinfection process**

The Getinge *da Vinci* solution is based on the Getinge 88 Turbo washer-disinfector, a multi-tasking medical device that allows you to process *EndoWrist* instruments and most other kinds of surgical instruments in the same washer-disinfector, all with totally reliable results.

If you already have a Getinge 88 Turbo, it is very easy to upgrade to a Getinge *da Vinci* solution.



## **Tested and verified**

The Getinge *da Vinci* solution consists of four “cornerstones”: the washer-disinfector, a special detergent, a specially developed processing program and a special wash-rack. When used together, these four cornerstones comprise a tested and verified solution, approved by Intuitive Surgical to be used as a part of the reprocessing instructions of *EndoWrist* instruments.



## **Validated for 5 and 8 mm Si and 8 mm Xi *EndoWrist* instruments**

The special wash-rack in the Getinge *da Vinci* solution has a unique and extensively tested construction that allows for cleaning and disinfection of both 5 and 8 mm Si, and 8 mm Xi *EndoWrist* instruments.



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# The four cornerstones of an **approved** solution

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The Getinge *da Vinci* solution is a complete solution. In combination with Intuitive Surgical's reprocessing instructions routines and Getinge's efficient products, you can achieve reliable cleaning and disinfection of your 5 and 8 mm *EndoWrist* instruments.

The solution is based on the Getinge 88 Turbo washer-disinfector, which enables you to wash and disinfect other types of instruments as well, giving you an efficient and effective solution with maximum flexibility.

The Getinge *da Vinci* solution complies with EN ISO 15883 standards. Intuitive Surgical has tested, verified and approved the solution. The approval is contingent on all four of these cornerstones:

## 1 The Getinge 88 Turbo washer-disinfector

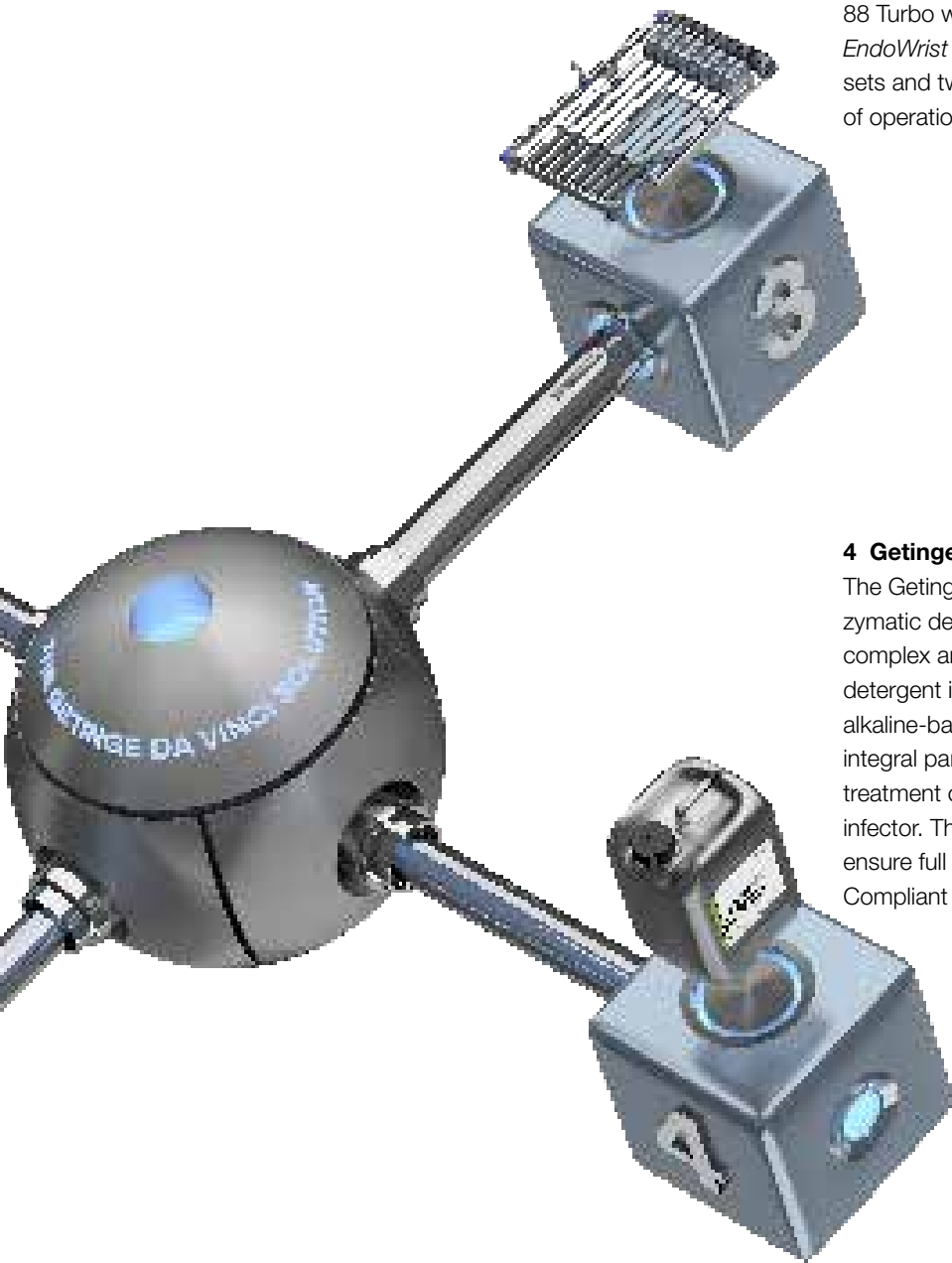
This fast, reliable, verified washer-disinfector is perfectly suited to clean and disinfect *EndoWrist* instruments. It features built-in storage of the special MIS detergent for convenient dosing.

For general instrument cleaning and disinfection, Getinge 88 Turbo ensures superior cleaning and disinfection of loads of up to 18 DIN trays. This is achieved with remarkably short cycle times, enabling high throughput and optimization of instrument utilization

## 2 The *da Vinci* program

Getinge has developed this technically advanced processing program especially for cleaning and disinfecting complex *EndoWrist* instruments. It is a frequency-pulsing program specifically created for Getinge 88 Turbo that gives superior cleaning results, when processed with Getinge Clean MIS or Universal detergents.





### 3 The da Vinci wash rack

This special wash rack offers the same flexibility as all products in the Getinge Loading Equipment range for Getinge 88 Turbo washer-disinfectors. It can hold up to eight *EndoWrist* instruments (equivalent to two full operation sets and two spare), enabling you to increase the number of operations per day.

### 4 Getinge Clean detergents

The Getinge Clean MIS detergent is a biofilm-removal enzymatic detergent ideally suited for Si *EndoWrist* and other complex and sensitive instruments. The Getinge Universal detergent is specifically tested for Xi *EndoWrist* and is a mild alkaline-based cleaner with surfactants. Both detergents are integral parts of the Getinge da Vinci solution, for both pre-treatment cleaning and in the Getinge 88 Turbo washer-disinfector. The processing parameters of the da Vinci program ensure full utilization of all the benefits of these detergents. Compliant with EN ISO 15883 standards.

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# Get the **validation** and **assurance** you need

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Some innovators develop machines, other innovators develop detergents. Getinge's innovators develop both, ensuring that equipment, processes and detergents work together to consistently produce EN ISO 15883 results – the validation you need. Of course you want to make your validation process easier and Getinge ensures that you constantly achieve the highest standards of cleaning efficiency for goods commonly found in surgical theatres, labs or hospitals in general.

With Getinge, you get more than superior equipment – you get premium aftersales care, meaning superior productivity, flexibility, equipment uptime, and added value. Purchasing equipment from Getinge is the start of a relationship characterized by long-term service, because our service team works directly with you to deliver long-term value.

## **Taking reliability several steps further**

In addition to the four cornerstones of the Getinge *da Vinci* solution, all of which have been developed by Getinge and tested, verified and approved by Intuitive Surgical, Getinge enables you to take reliability a few steps further.

## **Getinge Assured wash monitors**

Getinge Assured wash monitors enable routine monitoring of automated wash processes, to assure that your *EndoWrist* instruments are clean. And the Getinge *da Vinci* rack has connections for Getinge Assured lumen wash monitoring. Compliant with EN ISO 15883 standards.



**Protein tests**

To make sure no proteins are left on instrument surface, Getinge offers a full range of residual protein tests for surface and hollow lumens. These tests are quick and easy, and can detect residual protein down to 1 microgram in less than 10 seconds.

**T-DOC – for full control of instruments and costs**

T-DOC, Getinge's world-leading sterile supply management and traceability solution, optimizes your circulation of sterile goods and makes sure that you have the right instruments at the right time. With T-DOC, Getinge gives you tools to increase efficiency and cut costs while maintaining a high level of infection control and patient safety.

"All surgeries carry risks of adverse outcomes. While clinical studies support the use of the da Vinci® Surgical System as an effective tool for minimally invasive surgery for specific indications, individual results may vary.

Please refer to the latest Intuitive Surgical reprocessing instructions for detailed descriptions of the procedures for reprocessing *EndoWrist* instruments and accessories designed for use with Intuitive Surgical's da Vinci Surgical Systems.

When reprocessing Intuitive Surgical instruments, it is important that the healthcare facility follow all directions in the latest Intuitive Surgical Reprocessing Instructions as well as any instrument specific instructions and supplements that may come with individual instruments.

For complete technical information, including full cautions and warnings, please refer to [www.davincisurgerycommunity.com](http://www.davincisurgerycommunity.com). The da Vinci Surgical System, *EndoWrist* Instruments, Intuitive and Intuitive Surgical are registered trademarks of Intuitive Surgical Inc."



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Getinge Group is a global leading medical technology company that operates in the areas of surgery, intensive care, infection control, care ergonomics and wound care. Getinge Group has more than 15,000 employees in over 40 countries and generates sales exceeding SEK 25 billion (2013). The Group is divided into three business areas: Medical Systems, Extended Care and Infection Control and operates under the brands of Maquet, ArjoHuntleigh and Getinge.