



Getinge Ultrasonic Solutions

The ultimate combination of productivity
and safe handling

GETINGE 



Making the difference between risk and reward

ultrasonically

Why Getinge?

Continual advancements in image-guided and robotic surgeries across multiple disciplines help preserve or improve the quality of life for thousands of patients each year. Often, these innovative procedures require the use of highly complex robotic instruments and other narrow lumen devices that resist effective cleaning and disinfection which, can place patients and providers at risk. Endoscopes cannot be cleaned ultrasonically.

The large number of cases are a reminder of the challenges you face in your central sterile department despite the concerted efforts of clinicians and administrators to implement rigorous cleaning and sterilization protocols. However, even the most stringent processes for cleanliness and sterility assurance are subject to human error and lack of compliance with established procedures.



In the United States alone, upwards of 700,000 healthcare acquired infections (HAIs) are reported each year resulting in more than 75,000 deaths

That's why Getinge's portfolio of ultrasonic cleaners has been designed to help you manage the clinical, operational and financial risks associated with the effective removal of organic debris and microorganisms from even the most inaccessible surfaces of contaminated instruments.



More than 65% of patient billings are typically generated within the OR.

The OR is an important uninterrupted revenue stream and is highly dependent on the reliable and compliant performance of your CS to keep your surgical workflows running on schedule. This is especially important when your Hybrid or traditional OR is performing any number of minimally invasive and robotic surgeries that depend on the timely processing and availability of specialized instruments that often are in short supply.



Case cancellations result in disrupted workflow, dissatisfied patients, and potentially lost revenue.³ Case delays can cost \$1,700 per hour in contribution margin.⁴

A better take on ultrasonic technology

Getinge ultrasonic cleaners feature exclusive Titanium Rod Transducer (TRT) technology that provides superior cavitation (scrubbing bubbles) to effectively clean more instruments in a shorter wash cycle compared with conventional bonded transducers. That's because TRT technology radiates energy in all directions to eliminate cold spots that typically occur in the gaps between bonded transducers that decrease cleaning efficacy.

- 8- to 13-minute ultrasonic cleaning cycle
- 15-minute da Vinci® cycle
- Extends machine life, reduces maintenance costs and minimizes downtime

Triton Series Automatic Ultrasonic Cleaning Systems

The ultimate combination of productivity and safe handling

The most powerful and productive ultrasonic cleaners available today also offer an extra measure of safety unavailable in competitors units to meet the specialized instrument processing demands of larger CS departments.

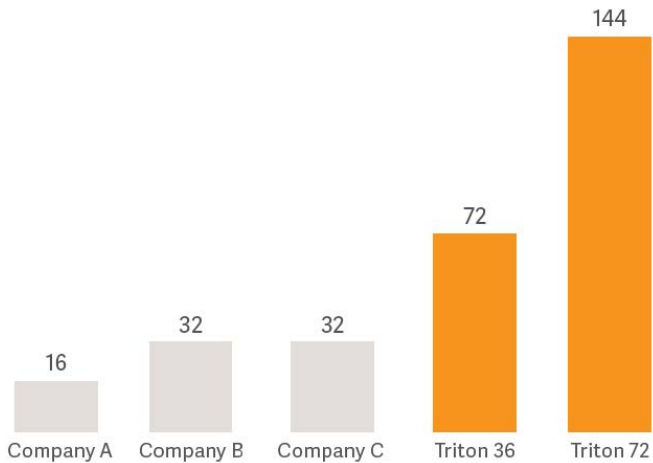
Only the Triton series ultrasonic cleaners feature an exclusive UV water treatment system that continuously kills microorganisms early in the instrument cleaning process through ultraviolet germicidal irradiation to help protect CS staff and patients from the risk of infection.

Our Triton⁷² and Triton³⁶ ultrasonic cleaners also offer unmatched tray processing throughput per eight-hour shift – 144 and 72 trays, respectively. Competitors units can process no more than 32 trays in the same period.

In addition, each Triton tray can process up to 10 robotic or lumen instruments. Plus, every type of robotic instrument can be reprocessed using custom adapters and our Robotic Arm Cleaning Systems (RACS) trays.

Number of trays processed per eight-hour shift

Based on each manufacturer's total tray count per hour



Triton series performance advantages

- 8- to 13-minute ultrasonic cleaning cycle
- 15-minute dedicated da Vinci® wash cycle
- Exclusive Titanium Rod Transducer (TRT) technology
- Automatic tray elevator safely raises and lowers trays
- Slide-and-lock trays simplify tray loading
- Dual purpose: can be used with hospital trays
- Fully automatic wash, rinse, and air purge
- Ultraviolet germicidal system
- Easy-to-use, fully adjustable 10" or 7" touchscreen with programmable timer
- Optional UCS-Verify records machine process data to better manage ultrasonic cleaning cycles and productivity



PHOTO BY ULTRA CLEAN SYSTEMS

Triton³⁶ processing capacity

- Automatic single basin
- 36 dedicated ports for lumen instruments
- 6 tray capacity
- 20 da Vinci® instruments per cycle
- 40-lb instrument weight capacity
- Cleans two complete sets of da Vinci® Xi-series instruments in 15 minutes
- Wash time: Cycle time is 15-minutes



STERILE & SURGICAL SUITE

Triton⁷² processing capacity

- Automatic double basin
- 72 dedicated ports for lumen instruments
- Six-tray capacity
- 40 da Vinci® instruments per cycle
- 80-lb instrument weight capacity
- Cleans four complete sets of da Vinci® Xi-series instruments in 15 minutes



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Model 1522 & 1150 Ultrasonic Cleaners

Feature-rich, economical solutions aligned with your volume processing needs

Getinge offers an additional choice of high-performance machines tailored to your specific volume requirements and budgetary parameters.



Model 1522 processing capacity

- Automatic double basin
- 48 dedicated irrigation ports
- Cleans up to 4 trays simultaneously
- Capacity for 16 robotic instruments per cycle
- 50-lb instrument weight capacity

Model 1150 processing capacity (left)

- Automatic single basin
- 24 dedicated irrigation ports
- Cleans up to 2 trays simultaneously
- Capacity for 8 robotic instruments per cycle
- 50-lb instrument weight capacity
- 25-lb capacity per a total of 2 trays of 12.5 lbs each, (stacked)

Model 1522 & 1150 performance advantages

- 8- to 13-minute ultrasonic cleaning cycle
- Exclusive Titanium Rod Transducer (TRT) technology
- Automatic enzyme dispensing capability
- Adjustable irrigation flow control
- Accepts hospital trays (without irrigation)
- Fully automatic wash, rinse, and air purge
- Large, easy-to-use graphical touchscreen with programmable timer
- Tap, reverse osmosis and deionized water compatible

Model 1101 & 1100 Automatic Tabletop Ultrasonic Cleaning Systems

The perfect fit for the CS and C-suite

Getinge's budget-stretching compact tabletop ultrasonic cleaners deliver uncompromised ultrasonic cleaning performance for any size CS department where space is at a premium.

Model 1100 Automatic Tabletop System

This model is capable of simultaneously processing a combination 12 cannulated as well as many noncannulated instruments in a 10-minute cleaning cycle. The unit's auto-fill, auto-rinse and auto-drain features simplify operation and enhance workflow.

- 10- to 15-minute ultrasonic cleaning cycle
- 12 dedicated irrigation ports
- 12.5-lb instrument weight capacity
- Adjustable irrigation flow control
- Bonded transducers
- Accepts hospital trays (without irrigation)



Model 1101 Automatic Tabletop System

The unit's extra-wide 8.6-gallon basin is ideal for longer bariatric and robotic instruments providing a fast and efficient way to process complex surgical instruments.

- 8- to 13-minute ultrasonic cleaning cycle
- Exclusive Titanium Rod Transducer (TRT) technology
- Includes tray for lumen instruments with 12 dedicated irrigation ports
- Capacity for 8 da Vinci® robotic instruments per cycle
- 25-lb instrument weight capacity
- Automatic enzyme dispensing capability
- Adjustable irrigation flow control
- Accepts hospital trays (without irrigation)
- Fully automatic wash, rinse, and air purge
- Large, easy-to-read touchscreen with programmable timer
- Tap, reverse osmosis and deionized water compatible



Trays & Adapters

Robotic Arm Cleaning System (RACS)

Through the use of custom color-coordinated adapters and specialized trays, Triton⁷² and Triton³⁶ machines can process virtually every robotic instrument. Models 1150, 1522, and 1101 can process S, Si, and Si Single-Site robotic instruments.

Lumen Adapter Kit

Everything you need to process lumen instruments comes in this kit. It includes an assortment of hoses and nozzles in three diameters, Leur lock hoses, suction adapters, and filters.


Robotics Adapter Kits

This kit includes S, Si, and Single-Site adapters; hoses with manifold connectors; and doughnut-style adapters to enable robotic shaft port cleaning.

UCS-Verify Process Verification Software





UCS-Verify Process Verification Software is available for our Triton Series, floor models, and Model 1101 ultrasonic cleaning systems. UCS-Verify records a variety of useful data, including time of wash cycle, water temperature, ultrasonic performance, irrigation efficiency, enzymes present, and the operator ID. UCS-Verify then securely transfers this valuable data directly to a USB drive that can be easily exported into Excel[®] for complete reporting and analysis.

- Facilitate accuracy
- Electronically document ultrasonic cleaning cycle data
- Benchmark individual and team productivity
- Reduce the risk of ultrasonic cleaning errors
- Achieve total traceability of process and procedures
- Maintain an overview of your most important machine data including cycle phases, temperature, and concentration of detergent






The Association for the Advancement of Medical Instrumentation's (AAMI) ST79 currently recommends weekly (preferably daily) verification of cleaning processes.

Triton Series Trays

	Triton Lumen Standard lumen tray with 12 dedicated ports 10.5"x32.5"x4"
	Hospital/Mesh This wire mesh hospital tray is compatible with either Triton system 21"x9.75"x4"
	Triton S/Si Optional da Vinci [®] S, Si, and Single-Site tray with 10 dedicated ports 10.5"x32.5"x4"
	Set of 10 adapters included Triton Xi Optional da Vinci Xi tray with 10 dedicated ports 10.5"x32.5"x4"
	Set of 10 adapters included

Model 1150 & 1522

	1150 & 1522 Lumen Standard lumen tray with 12 dedicated ports 24"x10.75"x4"
	Hospital/Mesh Compatible with hospital trays (not included) 21"x9.75"x4"
	1150 & 1522 S/Si Optional da Vinci S, Si, and Single-Site tray with 8 dedicated ports 24"x10.75"x8.75"
	Set of 8 adapters included

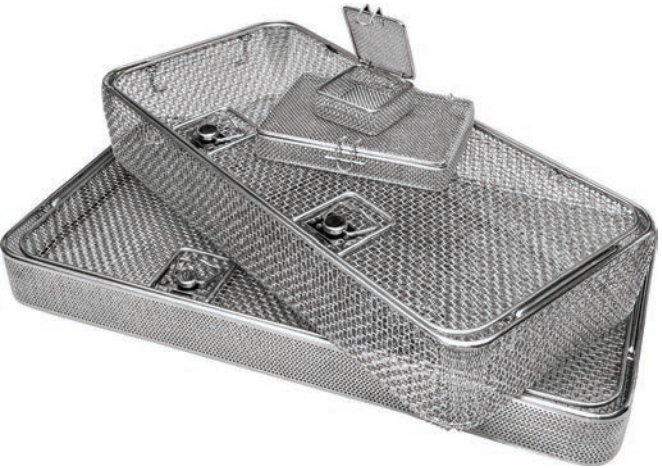
Wire Mesh Trays

Our comprehensive range of all-purpose, general-use stainless steel trays and specialty accessories are compatible with Getinge's ultrasonic cleaning systems, as well as those from other manufacturers. Mesh trays can also be used in washer-disinfectors.

Premium stainless steel wire mesh construction features easy-to-secure slide-and-lock lids (sold separately). These easy to use lids allow for quick loading and unloading while keeping instruments secure throughout their entire process.

Smooth mesh/perforated design provides users with a safe and easy-to-use tray with no burrs, which prevents damage to wraps and technicians. Available tray sizes accommodate all types of hospital instruments. Smaller trays (sold separately) can sit inside larger trays during a wash cycle to store subassemblies and attachments.

- Made from high-grade, polished 304 nonmagnetic stainless steel
- DIN compliant
- Trays are stackable



Adapter Kits



Lumen Adapter Kit
Our Lumen Adapter Kit includes an assortment of hoses and nozzles in 3 diameters, Leur lock hoses, suction adapters, and filters. Everything you need to process lumen instruments.

Robotics Adapter Kits
The Robotics Adapter Kit comes with S, Si, and Single-Site adapters, hoses with manifold connectors, and doughnut-style adapters to enable robotic shaft port cleaning.

Model 1101 & 1100

	1101 Lumen Standard lumen tray with 12 dedicated ports 29"x10.75"x4"
	1101 S/Si Optional da Vinci [®] S, Si, and Single-Site tray with 8 dedicated ports 29"x10.75"x4"
	Set of 8 adapters included
	Hospital/Mesh Standard lumen tray with 12 dedicated ports 24"x10.75"x4"
	Hospital/Mesh 21"x9.75"x4"

Optional Equipment

Backsplashes

When space is at a premium, backsplashes help keep your work area clutter-free and create extra storage, without increasing your cleaner’s footprint.

- Optional backsplash with integrated tray holders for Model 1150 and Model 1522, backsplash for Model 1150 holds two trays, backsplash for Model 1522 holds four trays
- Backsplashes can be ordered separately and added to a preexisting Model 1150 or 1522 cleaner in your CS

Cart

Our rugged cart is the ideal platform for Getinge’s tabletop ultrasonic cleaners providing convenient storage space for detergent, accessory kits and related accessories.

- Includes one large shelves and and toe-lock wheels
- Choice of cart dimensions to accommodate your specific needs

Mobile Cabinet

Enclosed and open shelving optimizes storage in the CS to keep materials readily accessible and out of the way. The mobile cabinets feature heavy-duty wheels with two safety lock wheels in front.



Floor Model Standard Cabinet Storage support for the Model 1150 and 1522 systems.

Wash Monitors & Cleaning Chemistries

Getinge Assured Ultrasonic Wash Monitor

The Getinge Assured Ultrasonic Wash Monitor helps monitor the efficacy of your cleaning processes by measuring the effectiveness of your ultrasonic cleaning system. Common causes of wash process failures include instrument overloading, instrument shadowing, inadequate or improper detergent dosing and poor water quality.

Test soil is designed to parallel the removal of bioburden from surgical instruments. (No blood components from any source are contained in the test soil.) When the cleaning conditions are effective, the test soil (blue patch) is completely dissolved.

- Easy to use, simply place monitor in holder and place in trays or hang on side of the tray
- Low-cost monitors promote routine use and consistent monitoring (one monitor per instrument tray is recommended)
- Designed for easy retention in permanent records
- All monitors show Lot Number and Expiration Date (18-month shelf life)



Sanizyme Enzymatic Detergent

Proprietary blend of enzymes safely removes organic matter from your valuable surgical instruments. Special low-foaming, pH-neutral formula is ideal for ultrasonic cleaners, washers, and other automated equipment. Fast-acting Sanizyme effectively removes blood, protein, and other bioburden.

- Available in 30-gallon, 15-gallon, 5-gallon, 2.5-gallon, and 1-gallon sizes
- Recommended use of one ounce per gallon of water



Service — Risk Management for Central Sterile & Surgical Suites

A trusted partner.

It can be overwhelming — deciding what to purchase, where to place it, and establishing the return on your investment. We can help you make the right choice – Getinge has a long history of working with industry experts, architects, planners and healthcare professionals. Our expertise has provided customized clinical environments that improve workflow, boost productivity and enhance patient care.

We start from the ground up — literally. We begin with a complete assessment and analysis of space requirements, ergonomics, staffing levels and patient volume. We take into consideration important factors such as hospital communication systems, staff and patient flow, and flexibility to facilitate vertical or horizontal expansion supporting technology and demand changes. Our facility planning and design team is with you throughout the entire project from planning, install and to final sign off.

Peak operations — protecting your profits

We call them risk management services for a good reason. And here’s why. For many facilities, more than 65% of patient billings are generated within the OR. In turn, this significant uninterrupted revenue stream, as well positive patient outcomes, are highly dependent on the reliable operation and performance of your surgical tables, lighting systems, integration software and infection control technology.

Even the slightest problem in the OR can place your surgical workflows and even your patients at risk. That’s why leading facilities trust Getinge’s certified professional service organization to help keep your equipment running smoothly and respond quickly to any problems that might arise.

From facilities design and equipment planning services through best-of-class service and parts support, Getinge is with you every step of the way.

We invite you to arrange a personal consultation with a Getinge Surgical Workflow Representative to help create an effective strategy to manage your constantly changing facility. Call us today, 1-800-475-9040.



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