Ultra Clean Systems, Inc.

Clean Smarter
Systems Catalog
Ultra Clean Systems strives to offer you the most robust, versatile, timesaving, and energy-efficient ultrasonic cleaning systems in the medical industry. We firmly believe that patient and technician safety come first, so we engineer, manufacture, and service our products with that mindset daily.

Cleaner, Faster, Better—it is our promise to you.

Sincerely,
Becky Cale
President,
Ultra Clean Systems, Inc.

Clean Smarter

Combine our full line of ultrasonic cleaners, detergents, brushes, and surgical care products with our dedication to quality, and it's clear that Ultra Clean Systems is your partner in sterile processing.

Ultra Clean Systems is big enough to meet all your sterile processing needs, but small enough to be efficient. We respond to your needs within hours, not days or weeks.

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Commitment to Quality

As a leader in sterile processing, Ultra Clean Systems is committed to quality with every machine, every time. We use only parts that have been certified by the National Recognized Testing Lab (NRTL) for maximum safety in hospital environments. Every ultrasonic cleaner is proudly made in the U.S.A. by highly skilled craftspeople.

Our commitment doesn’t end with the build process. We understand that your time is valuable, which is why we take the time to rigorously test every machine before it leaves our facility.

Since 1999, we have been leading the industry with efficient designs that provide the most throughput, while enhancing patient safety. The quality of our products and service is reflected in the ISO 13485 medical devices standards to which we adhere.

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Titanium Rod Transducer (TRT) Technology

Ultra Clean Systems continues to raise the standard in the world of ultrasonic instrument cleaning by offering Titanium Rod Transducer technology. TRT technology produces a high cavitation energy output, reducing cleaning times and enhancing efficiency. This industry-leading technology is ideal for cleaning complex instruments, including those used in laparoscopic, orthopedic, ophthalmic, and robotic surgeries.

TRT Features and Benefits

• Reduced cleaning times compared to bonded transducers
• More cleaning power, reduced wash-cycle time, and helps eliminate bottlenecks
• 8- to 13-minute ultrasonic cleaning cycle
• 15-minute da Vinci® cycle
• Longer machine life
• Less maintenance, reducing down time and associated costs
• Thorough cleaning allows you to keep your sets together

Put Your Sterile Processing Department in a Better Light

Help promote safe cleaning conditions for SPD personnel, as well as improve patient safety and destroy microbes in the water. Every Triton machine is designed with a specialized UV system to treat incoming water using ultraviolet irradiation to destroy many types of harmful microbes.

When cleaning cannulated instruments through recirculated water, ultraviolet rays continuously deactivate microbes before traveling through cannulas, thus improving your cleaning process.
Triton™ Automatic Ultrasonic Cleaning System

For large processing demands, our Triton Series ultrasonic cleaning systems rise to the top with productivity. Every Triton tray can process up to 10 robotic or lumen instruments. With our custom adapters and Robotic Arm Cleaning Systems trays (RACS), every robotic instrument can be processed. The Triton 72 can process four complete sets of Xi-series robotics in 15 minutes.

This complete system is user friendly, with automatic lifts and slide-and-lock trays, and a 10” touchscreen that can rotate left and right, and swing up and down. The Triton Series ultrasonic cleaning systems have more cavitation cleaning power than any machine available. The Triton 72 has the largest throughput in the industry with 6 trays and 72 dedicated ports. Its capacity is truly unmatched.

How does the competition stack up? They don’t.
The Triton 72 allows you to operate both basins independently. You can load or unload one basin while the other is completing a cleaning cycle.

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**Triton 72 Automatic Double Basin**

- 8- to 13-minute ultrasonic cleaning cycle
- 15-minute dedicated da Vinci® wash cycle
- Industry-exclusive Titanium Rod Transducer (TRT) technology provides superior cavitation, allowing operators to clean more instruments in less time
- Automatic tray elevator safely raises and lowers for ease of use and operator safety
- Slide-and-lock trays for simple and efficient tray loading
- 72 dedicated ports for lumen instruments/6-tray capacity
- 40 da Vinci instruments per cycle
- 80-lb total instrument weight capacity
- Dual purpose: can be used with hospital trays
- Fully automatic wash, rinse, and air purge
- Ultraviolet germicidal system
- Easy-to-use 10” touchscreen with programmable timer
- Triton series ultrasonic cleaners are available with casters or anchor feet; inquire for details

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.

*See pages 12 and 13 for optional trays and adapters*

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Promote safe cleaning conditions for SPD personnel, as well as improve patient safety and destroy microbes early in the instrument-cleaning process.

It’s a fact that UV light energy helps to reduce infection by killing bacteria. Now, for the first time, Ultra Clean brings you this added safety feature for both you and the patients you protect from infection.
Triton™ Automatic Ultrasonic Cleaning System

Ultra Clean Systems proudly offers the Triton Series, designed to keep up with the hectic schedule of today’s central sterile departments. Every Triton tray can process up to 10 robotic or lumen instruments. With our custom adapters and Robotic Arm Cleaning Systems trays (RACS), every type of robotic instrument can be reprocessed.

The Triton 36 cleans two complete sets of da Vinci® Xi-series instruments in 15 minutes. This complete system is user friendly, with automatic lifts and a simple, efficient slide-and-lock tray system. The Triton 36 cleaning system is unparalleled in the industry.

Promote safe cleaning conditions for SPD personnel, as well as improve patient safety and destroy microbes early in the instrument-cleaning process.

It’s a fact that UV light energy helps to reduce infection by killing bacteria. Now, for the first time, Ultra Clean brings you this added safety feature for you and the patients you protect from infection.

Cleaning Verification
Order your Triton Series ultrasonic cleaning system with the optional UCS-Verify for an easy way to record machine process data for better management of your ultrasonic cleaning cycles and productivity. See page 15 for more information.
Triton 36 Automatic Single Basin

- 8- to 13-minute ultrasonic cleaning cycle
- 15-minute dedicated da Vinci® wash cycle
- Industry-exclusive Titanium Rod Transducer (TRT) technology provides superior cavitation, allowing operators to clean more instruments in less time
- Automatic tray elevator safely raises and lowers for ease of use and operator safety
- Slide-and-lock trays for simple and efficient tray loading
- 36 dedicated ports for lumen instruments/3-tray capacity
- 40-lb instrument weight capacity
- 20 da Vinci instruments per cycle
- Dual purpose: can be used with hospital trays
- Fully automatic wash, rinse, and air purge
- Ultraviolet germicidal system
- Easy-to-use 7” touchscreen with programmable timer
- Triton series ultrasonic cleaners are available with casters or anchor feet; inquire for details

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.

See pages 12 and 13 for optional trays and adapters
Model 1150

The popular Model 1150 ultrasonic cleaning system delivers superior cleaning power in a compact design, ideally suited for most central sterile departments. The Model 1150 accommodates two lumen/standard instrument trays or one Floor Model Robotic Arm Cleaning Systems tray (RACS). Regular hospital trays may also be used.

Model 1150 Automatic Single Basin

• 8- to 13-minute ultrasonic cleaning cycle
• Industry-exclusive Titanium Rod Transducer (TRT) technology provides superior cavitation, allowing operators to clean more instruments in less time
• 24 dedicated irrigation ports
• Capacity for 8 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-use graphical touchscreen with programmable timer
• Floor model ultrasonic cleaners are available with casters or anchor feet; inquire for details

Use the sprayer to rinse off any excess detergent from instruments after the cleaning cycle.

See pages 12 and 13 for optional trays and adapters
See page 16 for optional equipment

Adjustable irrigation flow control allows you to optimize cleaning.
Model 1522

For central sterile departments with a large volume of caseloads, we offer the Model 1522. With twice the capacity of Model 1150 and the ability to operate each basin independently, this system offers greater efficiency and versatility to your department. This ultrasonic cleaning system can be configured with or without irrigation in either basin. It’s the original dual-basin ultrasonic.

Model 1522 Automatic Double Basin

- 8- to 13-minute ultrasonic cleaning cycle
- Industry-exclusive Titanium Rod Transducer (TRT) technology provides superior cavitation, allowing operators to clean more instruments in less time
- 48 dedicated irrigation ports
- Cleans up to 4 trays simultaneously
- Capacity for 16 robotic instruments per cycle
- 50-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-use graphical touchscreen with programmable timer
- Floor model ultrasonic cleaners are available with casters or anchor feet; inquire for details

See pages 12 and 13 for optional trays and adapters
See page 16 for optional equipment
Model 1101

The Model 1101 is a versatile tabletop ultrasonic solution for central sterile managers looking for a fast and efficient way to process complex surgical instruments. The extra-wide 8.6-gallon basin is ideal for longer bariatric and robotic instruments. It includes a tray for lumen instruments with 12 dedicated ports, and can use regular hospital trays.

Model 1101 Automatic Tabletop System

- 8- to 13-minute ultrasonic cleaning cycle
- Industry-exclusive Titanium Rod Transducer (TRT) technology provides superior cavitation, allowing operators to clean more instruments in less time
- 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-use graphical touchscreen with programmable timer

See pages 12 and 13 for optional trays and adapters. See page 16 for optional equipment.

With the optional tray, Model 1101 has the capacity to clean up to eight da Vinci robotic instruments per cycle.
Model 1100

The Model 1100 is a competitively priced surgical instrument cleaning system with the capability of processing 12 lumen instruments, plus many noncannulated instruments combined in a 10-minute cleaning cycle.

The Model 1100 is the easiest and most versatile tabletop system. The touchscreen display provides the operator with an easy-to-use menu, allowing both cannulated and nonlumen instruments to be cleaned simultaneously.

This system fits perfectly in any sterile processing department workflow, as it automatically fills to the appropriate level, has an auto-rinse function, and automatically drains.

Model 1100 Automatic Tabletop System

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

See page 16 for optional equipment
## Trays and Adapters

### Triton Series Trays

<table>
<thead>
<tr>
<th>Tray Type</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triton Lumen</td>
<td>Standard lumen tray with 12 dedicated ports</td>
<td>10.5&quot; x 32.5&quot; x 3.75&quot;</td>
</tr>
<tr>
<td>Hospital/Mesh</td>
<td>This wire mesh hospital tray is compatible with either Triton system</td>
<td>21&quot; x 9.75&quot; x 3.75&quot;</td>
</tr>
<tr>
<td>Triton S/Si</td>
<td>Optional da Vinci® S, Si, and Single-Site tray with 10 dedicated ports</td>
<td>10.5&quot; x 32.5&quot; x 3.75&quot;</td>
</tr>
<tr>
<td></td>
<td>Set of 10 adapters included</td>
<td></td>
</tr>
<tr>
<td>Triton Xi</td>
<td>Optional da Vinci Xi tray with 10 dedicated ports</td>
<td>10.5&quot; x 32.5&quot; x 3.75&quot;</td>
</tr>
<tr>
<td></td>
<td>Set of 10 adapters included</td>
<td></td>
</tr>
</tbody>
</table>

### Model 1150 & 1522

<table>
<thead>
<tr>
<th>Tray Type</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1150 &amp; 1522 Lumen</td>
<td>Standard lumen tray with 12 dedicated ports</td>
<td>24&quot; x 10.75&quot; x 3.75&quot;</td>
</tr>
<tr>
<td>Hospital/Mesh</td>
<td>Compatible with hospital trays (not included)</td>
<td>21&quot; x 9.75&quot; x 3.75&quot;</td>
</tr>
<tr>
<td>1150 &amp; 1522 S/Si</td>
<td>Optional da Vinci S, Si, and Single-Site tray with 8 dedicated ports</td>
<td>24&quot; x 10.75&quot; x 8.75&quot;</td>
</tr>
<tr>
<td></td>
<td>Set of 8 adapters included</td>
<td></td>
</tr>
</tbody>
</table>

**Robotic Arm Cleaning System (RACS)**

We offer RACS trays to clean robotic instruments for nearly every ultrasonic cleaner we make. With custom color-coordinated adapters and these specialized trays, our Triton 36 and 72 machines can process every robotic instrument; and Models 1150, 1522, and 1101 can process S, Si, and Single-Site robotic instruments.
## Trays and Adapters

<table>
<thead>
<tr>
<th>Model 1101 &amp; 1100</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1101 Lumen</strong></td>
<td>Standard lumen tray with 12 dedicated ports&lt;br&gt;29&quot;x10.75&quot;x4&quot;</td>
</tr>
</tbody>
</table>
| **1101 S/Si**     | Optional da Vinci® S, Si, and Single-Site tray with 8 dedicated ports<br>29"x10.75"x4"
|                   | Set of 8 adapters included |
| **1100 Lumen**    | Standard lumen tray with 12 dedicated ports<br>24"x10.75"x3.75" |
| **Hospital/Mesh** | Compatible with hospital trays (not included)<br>21"x9.75"x3.75" |

## Adapter Kits

<table>
<thead>
<tr>
<th>Kit Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lumen Adapter Kit</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Robotics Adapter Kit</strong></td>
<td>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.</td>
</tr>
</tbody>
</table>

## Quality Statement

**Ultra Clean Systems, Inc.** is a leader in sterile processing. We provide healthcare facilities with the highest performing ultrasonic cleaning systems, detergents, and related products that enhance patient safety, increase productivity, and save valuable time and money.

Through continuous monitoring and improving our quality management system, our goal is to further advance the field of sterile processing with better, more efficient products that make difficult jobs easier, while keeping the focus on patient care. Our commitment to quality is reflected in the ISO 9001 quality management and ISO 13485 medical devices standards to which we adhere.

We have established a culture that supports our employees and encourages them to learn, grow, and succeed so they can provide our customers with the best quality, service, and value in the industry.
Wire Mesh Trays

Ultra Clean Systems is proud to offer a comprehensive range of all-purpose, general-use stainless steel trays and specialty accessories that are compatible with our ultrasonic cleaning machines, as well as those from other manufacturers. Our line of mesh trays can also be used in washer-disinfectors.

These premium stainless steel wire mesh trays feature easy-to-secure slide-and-lock lids (sold separately). These trays will seamlessly fit into any processing department and can be used in various applications. You can use them in sophisticated ultrasonic cleaning machines, tabletop workstations, or rinsing sinks.

- Our smooth mesh/perforated design provides users with a safe and easy-to-use tray with no burrs, which prevents damage to wraps or technicians.
- Transport your instruments through the washing and sterilization process.
- Made from high-grade, polished 304 nonmagnetic stainless steel.
- DIN compliant.
- Trays are stackable.
- Safety edges help prevent injury and damage to instruments.
- Easy slide-and-seal tray tops allow for quick loading and unloading while keeping instruments secure during cleaning.
- 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.

Each lid is equipped with slide-and-seal locks, ensuring that trays and instruments are secure during cleaning.

Trays have retractable handles on each side for easy lifting. The handles can stay raised for quick lifting, or they can sit flush with a lid when attached.

We have tray options to accommodate all size and configuration needs. Contact our sales department toll free at 877-935-6624 for sizing options and pricing.
A number of organizations responsible for setting industry standards have moved closer to establishing new guidelines for testing, validating, verifying, and documenting the cleaning process. The Association for the Advancement of Medical Instrumentation’s (AAMI) current recommendations call for weekly, preferably daily, verifications of cleaning processes.

Ultra Clean Systems proudly offers UCS-Verify Process Verification Software, available with 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 exports this valuable data directly to a USB drive for an easy and secure transfer. Data can be easily exported into Excel® for complete reporting and analysis.

UCS-Verify provides a safe and easy way to record your machine process data for better management of your ultrasonic cleaning cycles and staff productivity.

**Accuracy and Productivity**

- Facilitate accuracy and electronically document ultrasonic cleaning cycle data
- Benchmark individual and team productivity
- Reduce the risk of ultrasonic cleaning errors
- UCS-Verify delivers total traceability, so you always have a documented record of whether the correct procedures have been followed
- Maintain an overview of the most important machine data, such as cycle phases, temperature, and concentration of detergent

Order UCS-Verify as an add-on to your Ultra Clean Systems’ ultrasonic cleaning system.

Export data from UCS-Verify, bring it into Excel, and output it to a chart, graph, or table.
Optional Equipment

**Backsplashes**
Space is at a premium, and we have the solution. When you purchase a Model 1150 or Model 1522, be sure to order the optional backsplash with integrated tray holders. The backsplash for Model 1150 holds two trays, and the backsplash for Model 1522 holds four trays.

Our backsplashes will help keep your work area clutter-free and create extra storage, without increasing your cleaner’s footprint. Backsplashes may be ordered separately and added to a Model 1150 or 1522 that’s already in your sterile processing department (SPD).

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**Cart**
Ideal for any SPD, this rugged cart is the perfect platform for our tabletop ultrasonic cleaners. It has copious space below for holding detergent, two large shelves, and toe-lock wheels. Cart dimensions may vary to accommodate your specific needs.

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**Side Cabinet**
Our side cabinet is a welcome addition to any sterile processing department. The three spacious shelves allow you to keep materials handy and out of the way. It features heavy-duty wheels and mounting holes to secure it to a wall.
Wash-Checks®

To help you monitor how effectively your department is cleaning instruments, we offer Wash-Checks U. Wash-Checks U measure the effectiveness of your ultrasonic cleaning system.

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 dissolved.

Features and Benefits

• 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 tray washed is recommended)
• Designed for easy retention in permanent records
• All monitors show Lot Number and Expiration Date (18-month shelf life)

Causes of Failure

Common causes of wash process failures include:

• Overloading
• Instrument shadowing
• Inadequate detergent dosing
• Improper detergent dosing
• Poor water quality

To use Wash-Checks U, simply slide a strip into the holder and either attach it to the side or place it directly in the tray. Use one Wash-Checks U per tray to monitor the effectiveness of your cleaner.

Phone: 877-935-6624
Detergent

Sanizyme Triple Enzymatic Detergent
Sanizyme is a proprietary blend of enzymes that removes organic matter safely and effectively from your valuable surgical instruments. This special low-foaming, pH-neutral formula is ideal for ultrasonic cleaners, washers, and other automated equipment. The fast-acting power of Sanizyme will remove blood, protein, and myriad bioburden, making it the most effective solution for your processing needs. Recommended use 1 oz per gallon of water.

Ultra Clean Systems proudly offers Sanizyme Triple Enzymatic Detergent in a variety of sizes to meet your cleaning needs. Choose from 30-gallon, 15-gallon, 5-gallon, 2.5-gallon, and our popular 1-gallon sizes.

Now available in 1-gallon size

Hand pumps for 1-gallon size are also available.
Specifications

Triton\textsuperscript{72}
(From pages 4–5)
- Tap, reverse osmosis, and deionized water compatible
- 208-volt wall receptacle
- 34”W x 54”D x 63”H (carriage up)
- 30-gallon capacity per basin (x2 basins)
- 80-lb total weight capacity

Triton\textsuperscript{36}
(From pages 6–7)
- Tap, reverse osmosis, and deionized water compatible
- 208-volt wall receptacle
- 24”W x 49”D x 63”H (carriage up)
- 30-gallon basin capacity
- 40-lb total weight capacity

Model 1150
(From page 8)
- Tap, reverse osmosis, and deionized water compatible
- 208-volt wall receptacle
- 30”W x 27.5”D x 40”H (lid open)
- 12.3-gallon basin capacity
- 25-lb total weight capacity

Model 1101
(From page 10)
- Tap, reverse osmosis, and deionized water compatible
- 120-volt wall receptacle
- 34”W x 26.25”D x 18.5”H (lid open)
- 8.6-gallon basin capacity
- 25-lb total weight capacity

Model 1522
(From page 9)
- Tap, reverse osmosis, and deionized water compatible
- 208-volt wall receptacle
- 60”W x 27.5”D x 42”H (lid open)
- 12.3-gallon capacity per basin (x2 basins)
- 50-lb total weight capacity

Model 1100
(From page 11)
- 120-volt wall receptacle
- 30”W x 18”D x 18”H (lid open)
- 5.75-gallon basin capacity
- 12.5-lb total weight capacity

ISO Standards
The quality of our products and service is reflected in the ISO 13485 medical devices standards to which we adhere.

Mission Statement
Ultra Clean Systems, Inc. was born out of a need to provide healthcare facilities with better, more reliable ultrasonic cleaners for their sterile processing departments. Since then, we have been leading the industry with efficient designs that provide the most throughput available, while enhancing patient safety. Through constant research and innovation, we aim to continually improve sterile processing and remain an ethical leader, and your partner, in the industry.
• We are Certified Central Service Vendor Partners that understand your cleaning needs

• Clean Better, Clean Smarter

Contact us today

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