



***Systems
Catalog***



Any capacity, any budget – we have the **Ultrasonic Cleaner** for you!
Cleaner • Faster • Better



Titanium Rod Transducer Technology - TRT



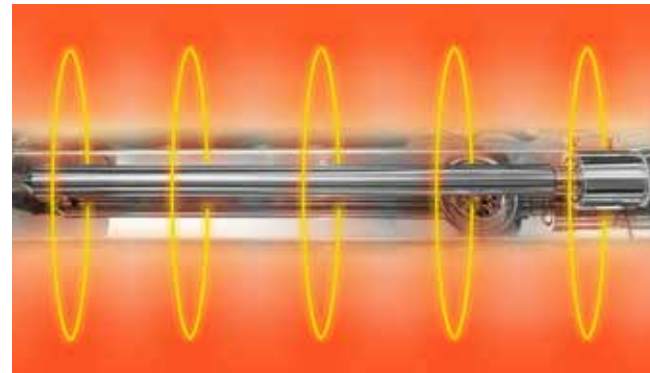
TRT Technology

Ultra Clean Systems continues to raise the standard in the world of ultrasonic instrument cleaning by offering TRT (Titanium Rod Transducer) Technology. This industry leading technology is ideal for cleaning complex instruments including those used in laparoscopic, orthopedic, ophthalmic and robotic surgeries.



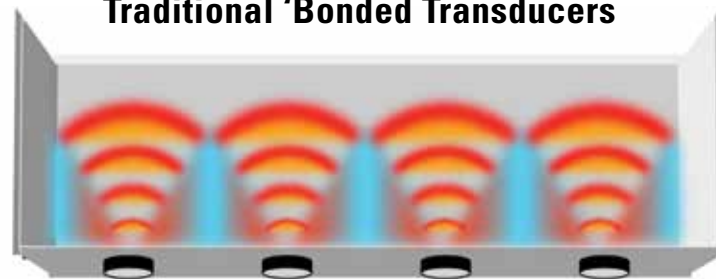
TRT (Titanium Rod Transducer)

Energy radiates in all directions eliminating cold spots.



Titanium Rod Transducer showing energy radiating in all directions with no 'cold spots'.

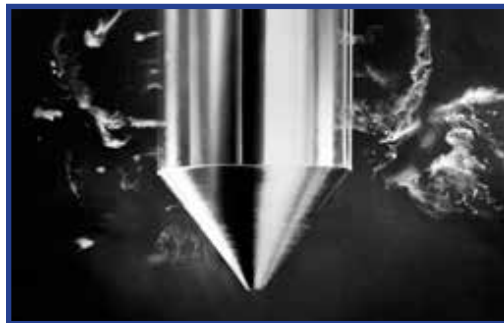
Traditional 'Bonded Transducers



'Cold spots' are depicted in blue (between energy fields)

TRT Features

- 13 minute wash cycle versus 30-45 minutes with bonded transducers
- Longer machine life
- Less maintenance reducing down time
- TRT Technology creates more cleaning power, reduces wash cycle time and helps eliminate bottle necks within the department



{The science of cleaning.}
The *art* of perfection.

The image above show the TRT producing high cavitation energy output.

UCS-Verify Process Verification Software

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**, verification of cleaning processes.

Ultra Clean Systems, Inc. is proud to offer **UCS-VERIFY - Process Verification Software**



UCS-VERIFY records a variety of useful data such as the time of cycle, water temperature, the ultrasonics, irrigation, enzymes present, and the operator I.D.

UCS-VERIFY then exports this valuable data directly to a **USB drive** for an easy and secure transfer.

The data can be easily exported into **Excel® compatible** formats 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.

Don't be without this valuable software!

It is important to document the critical cleaning steps. Specific documentation on use of the equipment which includes information about the operator, when the cleaning was carried out, concentration of detergent and length/type of cycle should be available.

Order **UCS-VERIFY** as an add-on to your Ultra Clean Systems Ultrasonic Cleaner today!

Triton Series Automatic Ultrasonic Cleaning Systems



TRITON⁷²

**Independently Tested and
Validated to Clean Robotic Instruments**

TRITON³⁶

Designed to keep up with the hectic schedule of today's Central Sterile Departments Ultra Clean Systems proudly offers the Triton Series. The Triton 36 can process two complete sets of Xi series robotics in 13 minutes. This complete system is user friendly with automatic lifts with slide & lock baskets.

This cleaning system is unparalleled in the industry!

Triton 36 Automatic Single Basin

- 13 Minute was cycle
- Industry exclusive TRT (Titanium Rod Transducer)
- Ultraviolet Water Deactivator
- Automatic Load Tray Elevator
- Slide and Lock Baskets: Simple and efficient tray loading
- 36 dedicated ports for cannulated instruments with 3 baskets
- 20 Robotic instruments per cycle
- 40 pounds total weight capacity
- Dual purpose: Can be used with hospital baskets
- Easy-to-use 7 inch touch-screen with programmable timer
- Fully automatic degas, wash, rinse and air purge completely eliminates waiting time for degassing
- Tap, RO or DI water compatible
- 208-Volt wall receptacle
- 24"W x 54"D x 63"H (lid open)
- 13.3 Gallon Basin Capacity



For large processing demands, our Triton 72 rises to the top with productivity. The Triton 72 can process 4 complete sets of Xi series robotics in 13 minutes. This complete system is user friendly with a 10 inch touchscreen and includes automatic lifts with slide & lock baskets. The Triton Series ultrasonic cleaning systems have more **cavitation cleaning** power than any machine available.

Triton 72 Automatic Double Basin

- 13 Minute was cycle
- Industry exclusive TRT (Titanium Rod Transducer)
- UV Water Deactivator
- Automatic Load Tray Elevator
- Slide and Lock Baskets: Simple and efficient tray loading
- 72 dedicated ports for cannulated instruments with 6 baskets
- 40 Robotic instruments per cycle
- 80 pounds total weight capacity
- Dual purpose: Can be used with hospital baskets
- Easy-to-use 10 inch touch-screen with programmable timer
- Fully automatic degas, wash, rinse and air purge completely eliminates waiting time for degassing
- Accepts hospital baskets
- Tap, RO or DI water compatible
- 208-Volt wall receptacle
- 34"W x 54"D x 63"H (lid open)
- 13.3 Gallon Basin Capacity (x2 Basins)



Inset shows Xi adaptor being inserted into an Xi robotic instrument.



Basket shown with full set of Xi instruments including stapler.



TRITON SERIES

Baskets for every robotic series

Every Triton basket can process up to 10 robotic or cannulated instruments. With our custom adaptors, and **Robotic Arm Cleaning Systems** baskets (RACS), every robotic instrument can be processed.



Inset shows Si and Single-Site adaptors being inserted into their associated instruments.

Basket shown with full set of Si instruments.



Automatic Floor Models



Independently Tested and
Validated to Clean Robotic Instruments



MODEL 1522

MODEL 1150

Model 1150

Our popular Ultrasonic Cleaning System, the Model 1150 delivers superior cleaning power in a compact design ideally suited for most Central Sterile Departments. The Model 1150 accommodates two cannulated/standard instrument baskets or one Floor Model RACS* basket. Regular hospital baskets or trays may be used.



Model 1150

Model 1150 Automatic Single Basin

- 24 dedicated irrigation ports
- TRT Technology – Titanium Rod Transducer delivers superior cavitation with shorter cycle times
- 13 minute ultrasonic cleaning cycle
- 25 lbs. instrument weight capacity
- Capacity for 8 Robotic instruments per cycle
- Accepts regular hospital baskets or trays
- Can be used as a regular ultrasonic (without irrigation)
- 30"W x 27.5" D x 40" H (Lid Open)
- 12.3 Gallon Basin Capacity

Model 1522

For Central Sterile Departments that have a large volume of case loads, we offer our 1522. With twice the capacity of the Model 1150 and the ability to operate both basins independently of one another, this system offers greater efficiency and versatility to your department. This Ultrasonic Cleaning System can be configured with or without irrigation in either basin.



Model 1522

*Shown with optional backslash
and mobile side cabinet.*

Model 1522 Automatic Double Basin

- 48 dedicated irrigation ports
- TRT Technology – Titanium Rod Transducer delivers superior cavitation with shorter cycle times
- 13 minute ultrasonic cleaning cycle
- 50 lbs. instrument weight capacity
- Capacity for 16 Robotic instruments per cycle
- Accepts regular hospital trays
- Can be used as a regular ultrasonic (without irrigation)
- 60"W x 27.5" D x 42" H (Lid Open)
- 12.3 Gallon Basin Capacity (x2 Basins)

Floor Model Cleaning Systems

*Our **Robotic Arm Cleaning Systems** basket (RACS), and custom adaptors will process all Si and Single Site Robotics.

Inset shows Si and Single-Site adaptors being inserted into their associated instruments.

Image is of a RACS basket with Si Robotic instruments.

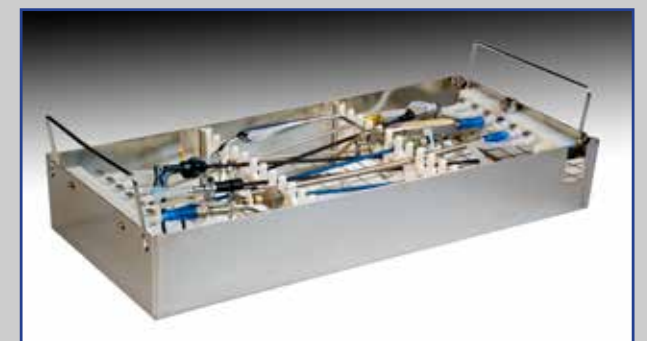


Image is of a Standard Basket for processing lumen and non-lumen instruments.

Automatic Tabletop Systems



MODEL 1101



Independently Tested and Validated to Clean Robotic Instruments

Model 1101

The Model 1101 is a versatile table/countertop solution for Central Sterile Managers looking for a fast and efficient way to process complex surgical instruments. The extra-wide ultrasonic 8.6 gallon capacity basin is ideal for longer bariatric and robotic instruments.

The Model 1101 includes a cannulated basket with 12 dedicated ports and can also be used with your regular hospital baskets/trays.



Model 1101

Model 1101 Automatic Table/Countertop System

- 12 dedicated irrigation ports
- Capacity for 8 Robotic instruments per cycle
- TRT Technology – Titanium Rod Transducer delivers superior cavitation in shorter cycle times
- 13 minute ultrasonic cleaning cycle
- 25 lbs. instrument weight capacity
- Accepts regular hospital trays
- Can be used as a regular ultrasonic (without irrigation)
- Ideal for longer bariatric and robotic instruments
- 34"W x 26.25" D x 18.5" H (Lid Open)
- 8.6 Gallon Basin Capacity



MODEL 1100

Model 1100

The Model 1100 is a competitively priced surgical Instrument cleaning system with the capability of processing 12 cannulated instruments plus many non-cannulated instruments combined in a 10 minute cleaning cycle.

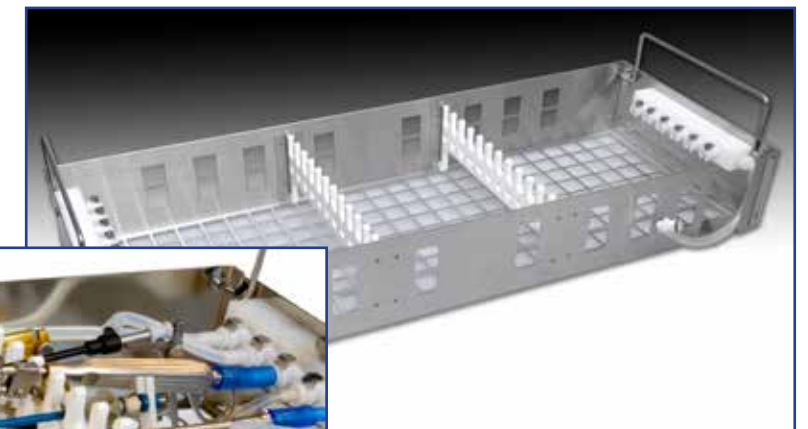
The Model 1100 is the easiest and most versatile tabletop system. The touch screen display provides the operator with an easy to use menu allowing both cannulated and non-cannulated instruments to be cleaned simultaneously. This system will fit perfectly in any SPD workflow as the system automatically fills to the appropriate level, has an auto rinse function and automatically drains.



Model 1100

Model 1100 Automatic Table/Countertop System

- 12 dedicated irrigation ports
- 10 minute ultrasonic cleaning cycle
- 12.5 lbs. Instrument weight capacity Auto-Fill
- Auto-Drain
- Accepts regular hospital trays
- Bonded Transducers
- Can be used as a regular ultrasonic (without irrigation)
- 30"W x 18" D x 18" H (Lid Open)
- 5.75 Gallon Basin Capacity



ProReveal Fluorescent Protein Detection System

ProReveal is a highly sensitive fluorescence-based, protein detection test for checking the presence of residual protein on surgical instruments after going through a washer disinfectant process. The test delivers objective, visual *and* measurable results, removing any doubt as to whether a decontaminated instrument is safe for reuse.

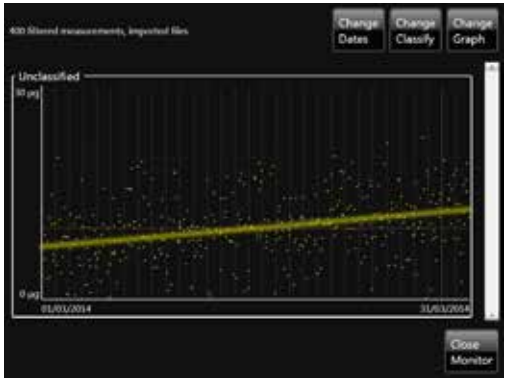
What it does
ProReveal uses a combination of a non-toxic spray *and* fluorescent digital imaging to deliver a comprehensive, highly sensitive visual record of where and how much protein remains after cleaning. This is performed in a matter of minutes.

How it works
Once an instrument is sprayed, the instrument is placed into the tray and using a simple interface, an image of the instrument is displayed showing where and how much protein is present. A 3D representation can also be displayed showing the concentration of protein in any given location.

And why it works so well
The whole process takes less than 5 minutes, is incredibly simple and non-toxic. Critical for such an important safety procedure, you get simple, objective, automatic pass or fail confirmation as well as a fully calibrated report on the level of proteins present.



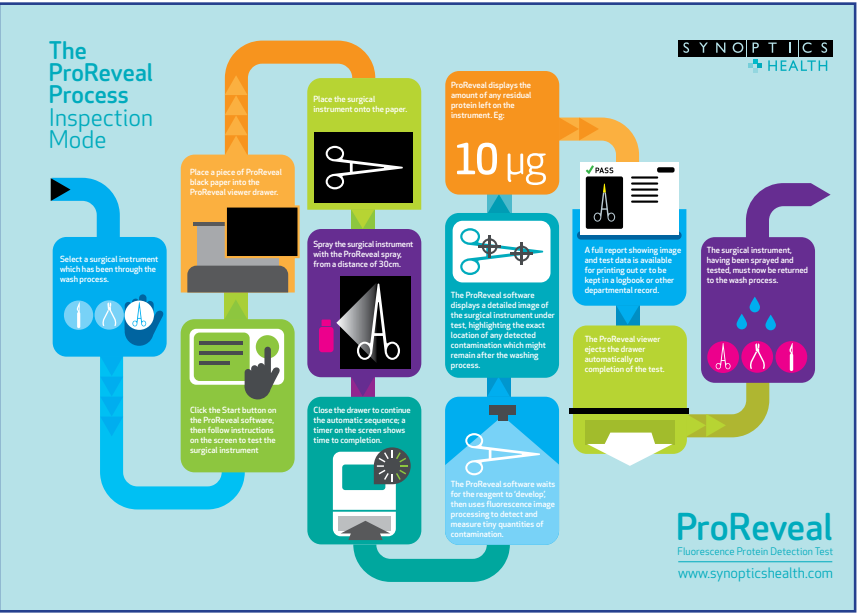
The ProReveal Plot Function



This graph shows a scatter plot over the period of one month for a typical washing machine during which 400 ProReveal protein tests were done. The yellow trend line shows a gradual increase in the level of residual protein being found and hence points to the need for some attention or optimization to the washer process.

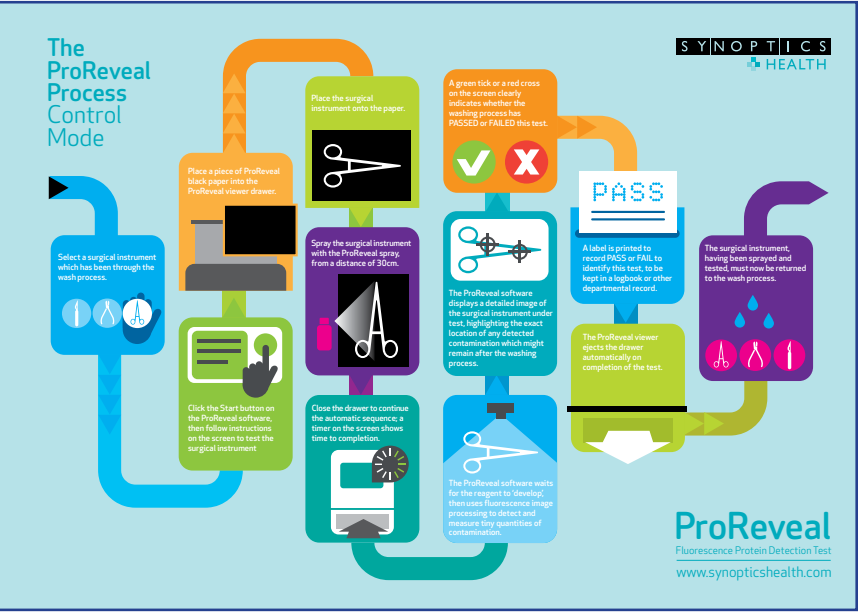
ProReveal Features and Benefits

- Rapid result in under 5 minutes
- Provides a quantitative measurement over the whole of the instrument
- A visual indication as to the location of any residual protein
- Can detect less than 50ng of residual protein
- Follows the CPFF-01-01 guidelines for fluorescence-based protein detection methods
- 3D representation of the instrument shows where protein is present and how much
- Patented viewer and reagent spray
- Diagnostic tools using a wide range of process inputs to monitor performance
- Visual trend graphs to plot performance criteria



Inspection Mode

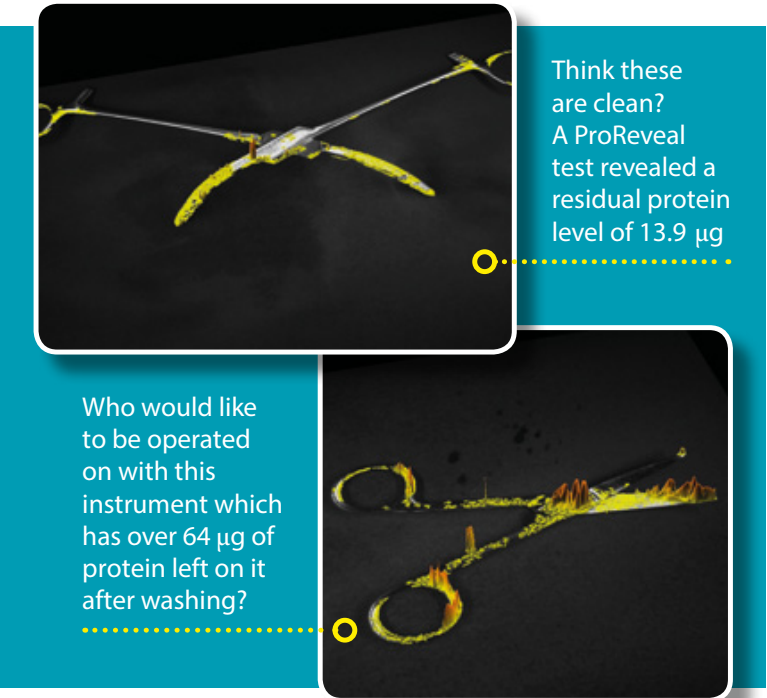
In **Inspection Mode**, ProReveal will simply show the user exactly where any residual protein has been left on an instrument after washing and will render a highly accurate measurement of residual protein.



Control Mode

Where a facility has already decided on a level of residual protein that is acceptable after washing, then the **Control Mode** can be used.

This acceptable value is entered into the ProReveal system with each test concluding with either a **Pass or Fail** result.



Think these are clean?
A ProReveal test revealed a residual protein level of 13.9 µg

Who would like to be operated on with this instrument which has over 64 µg of protein left on it after washing?

Your Sole Source in Instrument Cleaning

Ultra Clean System's extensive product offering isn't just for cleaning systems.

We offer a comprehensive line of support products that make any Sterile Processing Department more efficient and perform: Cleaner - Faster - Better.

We Also Offer



- Detergents
- Brushes
- Transport Gel
- Spray Lubricant
- Adhesive Remover
- Padlock Security Tags
- Tip Protectors
- Instrument Identification Tracking
- Test Monitors



The Ultimate in Instrument Cleaning

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