



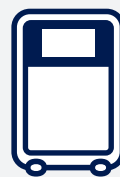
Delivering consistent protection across every high-level disinfection (HLD) cycle



trophon® – Protection by design



- Nanosonic's trophon® technology helps protect patients by delivering **automated and consistent high-level disinfection (HLD) of ultrasound probes with every cycle.**
- For semi-critical and critical endocavitary and surface probes, the fully-enclosed trophon technology[#]:
 - Uses high-frequency ultrasonic vibrations to generate a sonically-activated, hydrogen peroxide (H_2O_2) mist that kills bacteria, mycobacteria, fungi, viruses and spores
 - Accesses all surfaces of the probe, including the body and handle, ensuring all crevices and imperfections are high-level disinfected
 - Produces only water and oxygen as the environmentally-friendly by-products of the HLD cycle.



**trophon technology
delivers protection
for patients, staff and
the environment**

**Due to greater reliability and reproducibility,
most global guidelines now recommend automated
methods over manual disinfection**

[#]The trophon family includes the trophon EPR and trophon2 devices which share the same core technology of sonically-activated hydrogen peroxide.

trophon2 – Streamlines workflow efficiencies

trophon2 devices allow an integrated point-of-care workflow



As a fully-enclosed compact system, trophon2 devices make reprocessing in the patient environment possible.

- Can be placed in patient examination rooms with no special ventilation requirements
- Reduces the risk of exposure to hazardous chemicals, fumes and spills often associated with wipes and soaks
- Only gloves required for PPE
- Minimal hands-on time required.



Frees up your time for enhanced patient workflow ✓

trophon2 devices are configurable and easy to use

New features and settings with the trophon2 device enhance the workflow even further:

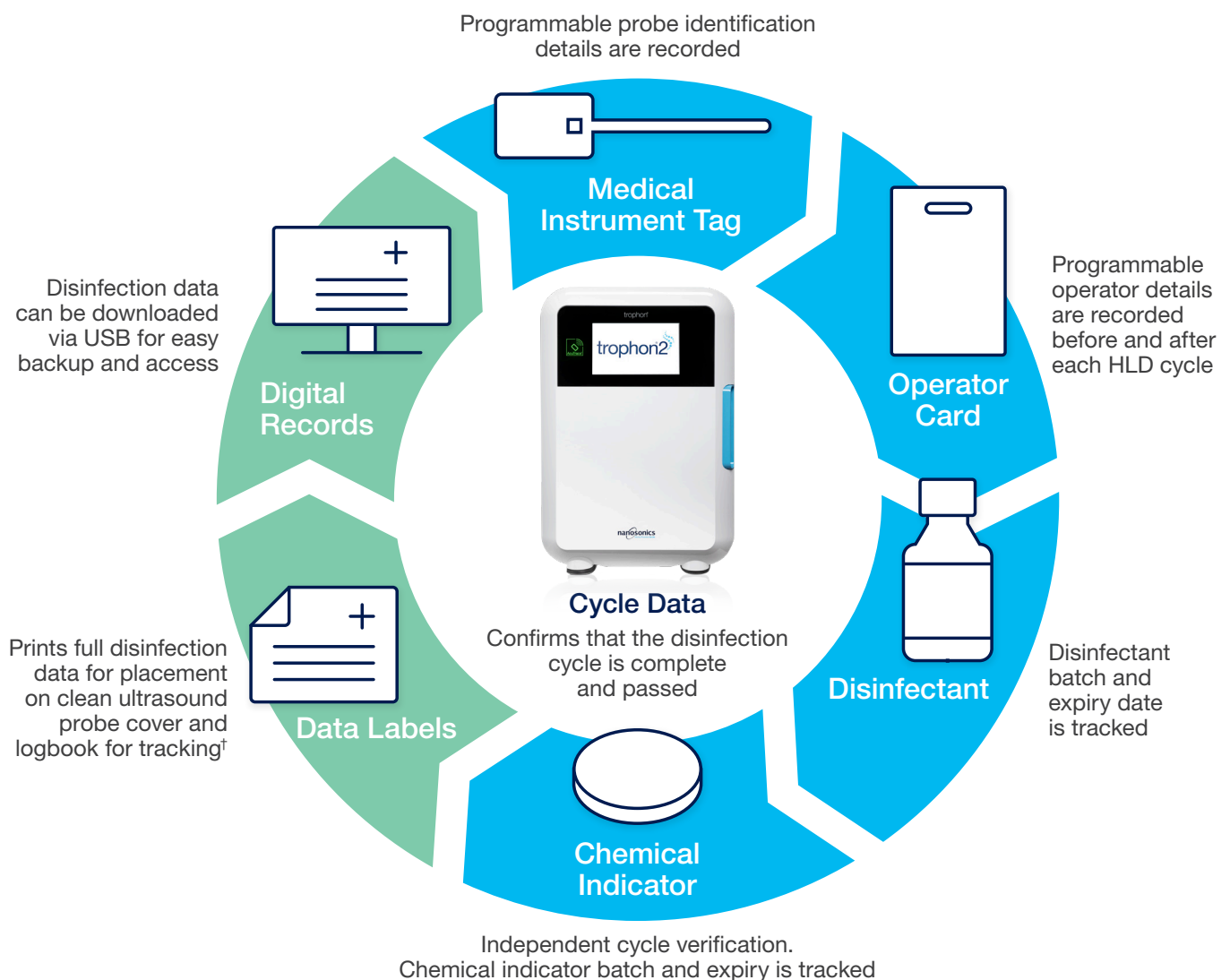
- **Daily warm-up:** Adjustable “wake up” times so it’s ready to start when your day begins
- **Sleep timer:** Enters power saving mode when not in use. Adjust in hourly increments or option to turn off
- **Purge now or defer:** Purge can be deferred to later in the day when disinfectant has reached 30-day expiry in the device
- **Large touch screen interface:** First time setup wizard and settings menu access.

trophon2 – Delivers demonstrated compliance



trophon2 devices automatically demonstrate compliance with AcuTrace® technology

- Accrediting agencies look for traceability processes that are compliant with evidence-based guidelines.
- trophon2 with AcuTrace technology delivers digital traceability across the reprocessing workflow:
 - Digital audit-ready records reduce the need for manual records, saving time and preventing human error
 - Records probe, operator, consumables and cycle data
 - Demonstrates user-compliance in accordance with requirements in the UK Department of Health and Social Care, Health Technical Memorandums.^{5,6}



†When used in conjunction with the trophon printer.

trophon – Protection by design

Setting the standard for the broadest microbial efficacy

- ✓ The only automated ultrasound probe high-level disinfection (HLD) technology to meet mandatory microbial efficacy requirements for both FDA-clearance and CE-marking.
- ✓ Meets criteria for bactericidal, mycobactericidal, fungicidal, virucidal and sporicidal disinfection efficacy as per EN and ASTM Standards and AOAC Official methods¹
- ✓ Tested against an extensive range of infectious pathogens, including those that cause STIs, such as chlamydia, gonorrhoea, herpes, HIV, hepatitis A, B and C, HPV as well as *Clostridium difficile* spores and drug-resistant bacteria (MRSA and VRE).^{2,3}



FDA: Food and Drug Administration. CE-marking: Manufacturers' declaration that the product meets EU standards for health, safety, and environmental protection. EN: European Standards. ASTM: American Society for Testing and Materials. AOAC: Association of Official Analytical Chemists. STIs: Sexually Transmitted Infections. HIV: Human Immunodeficiency Virus. HPV: Human Papillomavirus. MRSA: Methicillin-Resistant *Staphylococcus aureus*. VRE: Vancomycin-Resistant *Enterococci*.

Ultrasound manufacturers' reprocessing solution of choice

- The trophon Probe Compatibility program is conducted in partnership with ultrasound probe manufacturers⁴
- All probes listed as compatible have been approved by the manufacturer for use with trophon
- Over 1,300 probes compatible across 26 manufacturers
 - New features on trophon2 devices:
 - Universal cable clamp compatible with a wider range of cable diameters
 - Integrated Probe Positioner (IPP).



trophon2 – The Global Standard of Care in ultrasound probe reprocessing



DEMONSTRATED COMPLIANCE ACROSS THE WORKFLOW

- Automated and consistent HLD
- AcuTrace RFID technology

EFFICIENT WORKFLOW INTEGRATION

- Point-of-care HLD
- Minimal “hands-on” reprocessing time
- Environmentally friendly by-products

CUSTOMISED CONFIGURATION

- Adjustable wake-up/sleep timers
- Purge now or defer feature

ENHANCED USABILITY

- Touch screen interface
- Setup wizard and settings menu

BROADEST MICROBIAL EFFICACY*

- Meets mandatory requirements
- Extensively tested against clinically relevant species

EXTENSIVE PROBE COMPATIBILITY PROGRAM

- Compatible with over 1,300 probes
- Approved by probe manufacturers

*Broadest efficacy spectrum as compared to ultrasound probe disinfection with UVC and ClO₂ wipe systems.

Everyday, approximately 106,000 patients worldwide are protected from the risk of cross-contamination because the ultrasound probe has been high-level disinfected with trophon. This equates to around 26 million patients annually.[†]

[†]As at December 2023.

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Protection by design

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Infection Prevention. For Life.