

## **Nanosonics Company and Technology**

### **The Company**

Nanosonics (ASX:NAN) is a leading medical technology company headquartered in Sydney, Australia, with North American operations based in Indianapolis. The company was founded in 2001 and listed on the Australian Securities Exchange in 2007.

Nanosonics is one of Australia's largest medical technology companies and a recognized leader in its sector of the global infection control market. The Company's mission is to improve the safety of patients, clinics, their staff and the environment by transforming the way infection prevention practices are understood and conducted, and introduce innovative technology that deliver improved standards of care.

Nanosonics develops infection prevention solutions including the trophon® EPR system, which was the first major innovation in high level disinfection (HLD) for ultrasound probes in over 20 years. The Company has now launched its second generation system, the trophon2, offering the latest innovation in ultrasound probe HLD and functionality to further advance ultrasound probe decontamination.

Nanosonics employs over 225 people in Australia, Canada, France, Germany and the United States. The Company has a highly experienced team of professionals committed to providing HLD solutions for ultrasound probe use and it has developed a deep understanding of customers' needs in infection prevention.

Nanosonics has an active R&D program currently working on the development of a range of new innovations for infection prevention

### **trophon technology**

Nanosonics' trophon® technology offers a state-of-the-art solution for reducing the risks of cross contamination between patients and reducing the spread of Healthcare Acquired Infections (HAIs).

trophon technology protects patients: The automated trophon generates a sonically activated, supercharged hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) mist that kills drug-resistant bacteria, fungi and viruses. trophon efficacy goes further and the technology is proven to eliminate an extended range of clinically infectious pathogens that other HLD products do not. This includes sexually transmitted infections (STIs), drug resistant bacteria and Clostridium difficile spores.\* In fact, trophon was the first HLD system in the world proven to kill native, infectious, high-risk Human Papillomaviruses (HPV).<sup>1</sup>

trophon technology protects the environment: trophon is also an environmentally friendly solution for HLD. After disinfection, residual hydrogen peroxide is broken down primarily into water and oxygen. The water can be simply disposed of by pouring down a sink. The disinfectant cartridges are recyclable and the system has than 70% recyclable components.

trophon technology protects staff: The trophon is a sealed system which helps prevent exposure to hazardous chemicals, fumes and spills. This also means it can be used at the point of care where ultrasound is performed, which greatly enhances workflows.

The trophon technology is tested for compatibility with over 1,000 different probes across all major ultrasound companies.

In addition to all the trophon technology benefits, the new trophon2 features AcuTrace technology to simplify the creation of accurate digital records to increase audit-readiness. The system can also be upgraded to AcuTrace PLUS, enabling integration into hospital information systems and patient electronic medical records.

More information may be found at: [www.nanosonics.us](http://www.nanosonics.us).

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\*Nanosonics internal testing data

1. Ryndock E, Robison R, Meyers C. Susceptibility of HPV16 and 18 to high level disinfectants indicated for semi-critical ultrasound probes. J Med Virol. 2016;88(6):1076-80.