Soniclean.®

Single product
Single focus
Single outcome.

Next generation cleaning technology

Soniclean is a multi-award-winning medical device company boasting over 30 years of ultrasonic technology research and development for the primary purpose of cleaning surgical instruments. Soniclean's commitment and focus is on user and patient safety, providing a machine and services with this intent.

Soniclean was established in 1993 by WahTong Lee and his beloved, now late, wife, Susan Lee — a Royal Adelaide Hospital (RAH) nurse educator turned entrepreneur. Susan's background in nursing was instrumental to the product's market entry. Designer, WahTong, having migrated to Australia as a piano teacher, attended what was known as the South Australian School of Art in Stanley Street North Adelaide, awarded "Top Student" by physicist and science TV personality, Professor Julius Sumner Miller and, where he was assigned and designed his first ultrasonic cleaning machine for his final year project. This lineage brings perspective to the design's unique development and value.

Pioneering Pulse Swept Power TM

"Innovation explores unexplored areas of value and usage."
Co-founder, WahTong Lee

In 1988, Soniclean's founding R&D company, Transtek Systems, was awarded a Government Industry Research and Development (GIRD) grant. This led to the development of ultrasonic technology now known as Pulse Swept Power™ replacingfixed standing waves ultrasonics for cleaning purposes. This approach is now accepted as best practice globally.

Soniclean's design philosophy of being friendly to the environment and integrating future proofing design decisions, benefits health care providers in over 50 countries. These machines are also used to facilitate scientific research outcomes, and widely used in food and beverage manufacturing, industrial, mining, space, defence and laboratory settings, where deep yet gentle precision cleaning is required.

According to WahTong, the essence of good design is minimal impact on the environment when a product is used, generating "best possible practice always.".

Minimal impact on the environment permeates beyond Soniclean's product design through a circular economy approach of servitisation helping ensure these values carry through the supply chain.

“We urge and support designers of medical devices and instruments to consider cleaning and reprocessing challenges when designing.”

CEO, Robyn S. Lee, GAICD

Soniclean's DNA in design and position in the medical device category recognises the challenges central sterilization services departments (CSSDs) are tasked with of helping ensure non-single use instruments are safe to re-use, while meeting the challenge of preventing degradation and preserving the functionality of expensive instruments.

A continuing generation and culture of commitment

Soniclean’s research & development team have been turning their focus towards the complex question of “how clean is clean?”, optimising performance to quantifiable repeatable cleaning results.

Eldest daughter and current CEO, Robyn Lee, GAICD, works with her father continuing Soniclean’s custodianship and commitment to user and patient safety contributing towards a better, safer world through design.

Soniclean website, products and services