



## ***Ultrasonics & the Foil Test***

### ***How do ultrasonics work?***

Ultrasound is energy in the form of a wave motion beyond the level of audible sound. Ultrasonic energy is transmitted to the solution in the tank by transducers underneath the machine. The cleaning takes place as the shock waves dislodge the soil from the surface of the contaminated articles placed in the water bath.

### ***Why the foil test?***

To ensure optimum cleaning and to demonstrate compliance with Australian standards, various performance tests are required. The “foil test” is one such test. A successful test will show an even distribution of small (pin prick size) holes, indicating that the unit is working effectively.

### ***The foil test & documentation***

Soniclean recommends you use home brand foil (that is approx. 0.025 thick) and suspend the foil in the bath for 10 seconds, see other side of this sheet for more detailed instructions. The foil test should be conducted and documented DAILY in the medical and dental industries. The form below provides you with an example of how to document the test. If the test does not pass you need to problem solve why not and report it to your manager so the unit can be serviced or repaired as required.

### ***Where can I find out more?***

You may also wish to refer to the relevant Australian Standards for your industry eg. AS 2773.1, AS2773.2, AS4815, AS4187, the operating instructions you received with your Soniclean unit and the Soniclean website: [www.soniclean.com.au](http://www.soniclean.com.au).

*Sample form:*

<b>Validation</b>					
<b>Clinic</b> .....		<b>Model</b> .....			
<b>Serial Number</b> .....					
<b>Detergent Name</b> .....			<b>Dosage used</b> ..... mls		
Date	Fill & add Detergent	De-gas cycle	Foil test positive/negative	Signature	Comments