

# The Company

Martin Walter is under Crest Group of company and at Crest Ultrasonics everything revolves around Ultrasonic. This highly developed concept is based upon the latest finding from collaboration with our customers and above all the continuously changing demands of the environment.

# The Technology

When ultrasonic energy at frequencies over 20 kHz is introduced into a liquid medium, zones develop in the liquid with high pressure and low pressure phases.

In the low pressure phase, microscopically small steam bubbles occur which collapse in the adjoining high pressure phase (they implode). This physical effect is known as steam cavitation. The implosions generate very high pressures which literally blast the dirt from the surface of the articles undergoing cleaning.

In addition, micro-currents form which wash the dirt away. The combination of cavitation and micro-currents achieves a particularly intensive cleaning effect which is difficult or even impossible to achieve by other methods.

# Common features for all Powersonic® Table Tops

## Type D / D-HF Digital seven Segment Display showing the following:

- **Chosen Operating time** when unit is standby mode.
- **Remaining operating time** when unit is operating.  
Operating time adjustable in steps of 1 min. up to 99 min. Also continuous operating mode is selectable.
- **Chosen Liquid temperature** when unit is in standby mode.
- **Current Liquid temperature** when unit is operating.  
The liquid temperature is adjustable in steps of 1 degree up to 80 degrees. Heaters protected against overheating.
- **Chosen Ultrasonic Power** - Ultrasonic power adjustable between 10% power and 100% power. Constant ultrasonic power independent of liquid level, liquid temperature and load. Double wave Ultrasonic for perfect cleaning results.
- **Degas Mode** for degassing the liquid.
- **Power cord** with males plug for Europe (EU / PL) plug for CH, DK, UK on request. Apply to models P100 - P3000.
- **Heating and tank** are made of stainless steel ON 10 / 10 EN 631.
  - Unit have special heat isolation and are also noise protected.
  - Model 3 to 0 have an ultrasonic frequency of 40 kHz.
  - Model D / HF has an ultrasonic frequency of 132 kHz.
  - Main voltage: 230 v 50 / 60 Hz single phase.
  - Warranty: 12 months from delivery date.



**Note:**  
**Type D / HF**  
Special model with ultrasonic frequency option: 132 kHz.