

## PROFESSIONAL ULTRASOUND SYSTEM for LABORATORIES



### LabT1

### Ultrasonic cleaning for professional applications.

The perfect tool that optimizes the cleaning process:

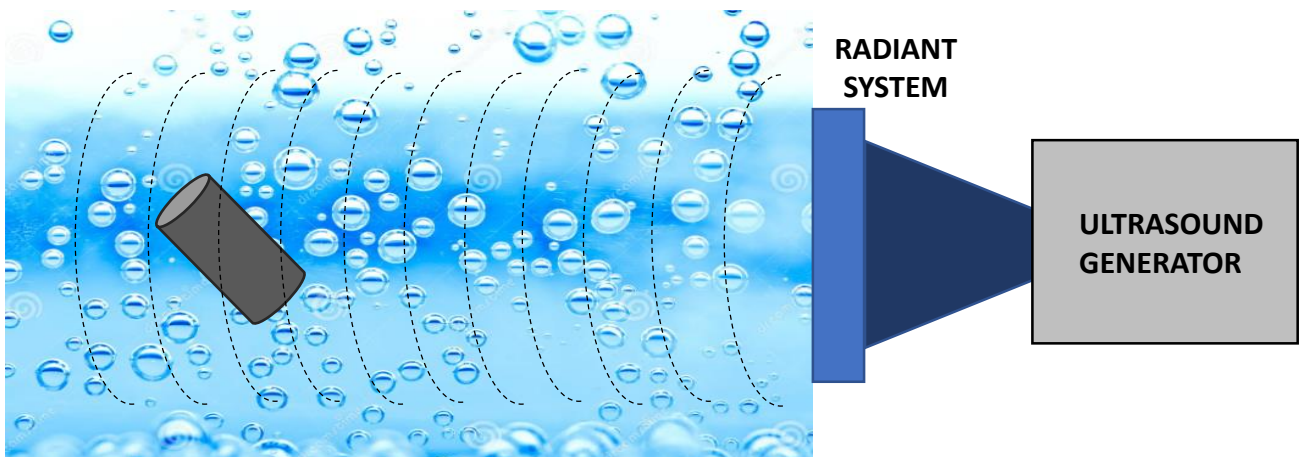
- High efficiency
- Reduced processing time
- Minimal electrical consumption
- Environmental sustainability

**Ultrasonic cleaning is the most advanced, efficient and environmentally friendly cleaning technique.**

An ultrasonic cavitation of adequate power that propagates within a fluid is the only way to meet the most demanding washing and cleaning requirements for an infinite number of objects made from different materials (professional, industrial, medical, scientific sectors).

The parts are immersed in the cleaning liquid inside an ultrasonic reactor (the tank where the washing takes place). The size of the tank-reactor depends on the dimensions of the objects to be treated.

The ultrasonic power of piezoelectric transducers that convert electrical energy (with appropriate power and frequency) into vibrational mechanical energy: millions of microscopic vacuum bubbles are generated that implode due to the pressure changes produced by the ultrasounds, quickly and efficiently removing all dirt particles, even the most resistant ones.



### NEW in the field of professional ultrasonic cleaning devices:

- Use of a single generator for various types of reactors (capacity from 1 to 10 liters):  
**The most efficient modular system in its category!**
- Ultrasound reaction trays optimized for the best treatment of immersed parts.

## LabT1: modular and flexible system, suitable for every need

### Ultrasound Generator:

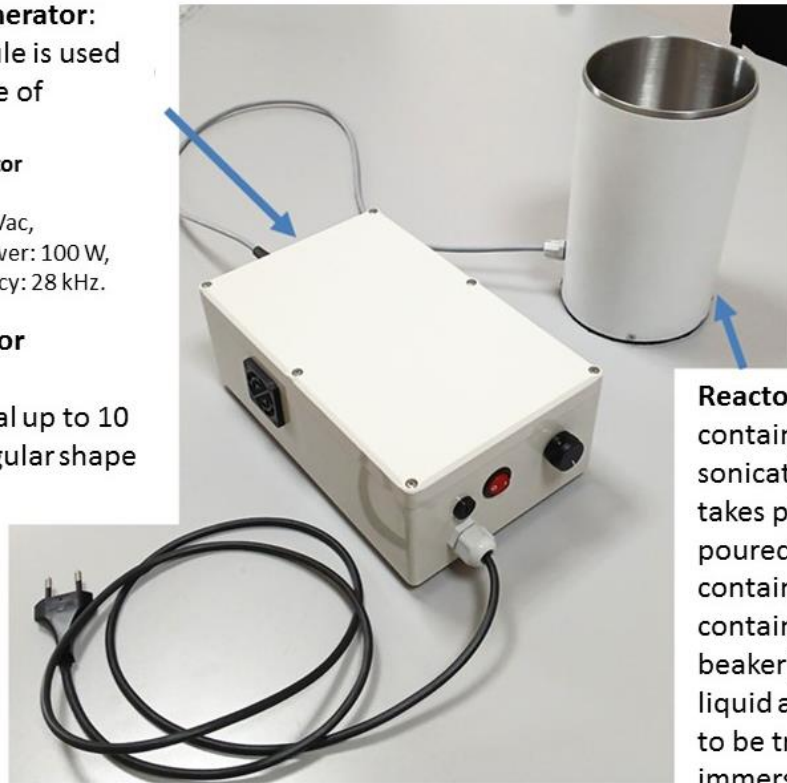
the same module is used for a wide range of reactors.

### Ultrasound generator characteristics:

Power Supply: 230 Vac,  
Max ultrasound power: 100 W,  
Ultrasound frequency: 28 kHz.

### Available reactor capacity:

1 liter cylindrical up to 10 litres in rectangular shape



Cylindrical reactor capacity: 1 liter

**Reactor:** it is the container where the sonication treatment takes place: water is poured into the container and a glass container (laboratory beaker) containing the liquid and the material to be treated is immersed.

## LabT1: most efficient and flexible ultrasonic system on the market!

- Use a single generator for various types of reactors (capacity from 1 to 10 liters): **high efficiency and flexibility!**
- Powerful ultrasonic reaction trays, optimized for the best treatment of immersed parts.
- Possibility to continuously vary the intensity of the treatment, from 20% to 100% of the maximum available power: **gentle and vigorous when needed!**
- Perfect for cleaning small objects quickly, with minimal water/detergent and energy consumption.

**Our laboratories are available for technical tests:  
contact us to arrange a demonstration.**

### THE ULTRASOUND LABORATORY

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