

## MULTIPLE ULTRASONIC CLEANER



### Application Fields

- Cleaning of consumables such as glassware, centrifuge tubes; degassing of liquid reagents; sample crushing, homogenization, dispersion
- Thorough cleaning and restoration of watches, precious metals and gems, chains and other jewelry
- Deep cleaning of precision bearings, fuel injectors, metal and plastic workpieces, removal of dust and grease
- Cleaning and disinfection of medical equipment such as surgical and dental instruments
- Removal of oil and dust from optical microscope lenses, camera lenses, and quartz precision glassware

### Working Principle

Through the transducer, the acoustic energy of the power ultrasonic source is converted into mechanical vibration, which is then radiated into the cleaning solution in the tank through the tank wall. Due to the radiation of ultrasonic waves, the microbubbles in the liquid in the tank can quickly grow and burst under the action of the sound waves. The high-intensity shear force generated during the bubble collapse acts on various types of samples, achieving the functions of cleaning, extraction, emulsification, accelerated dissolution, pulverization, dispersion, etc.



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### Multiple Ultrasonic Cleaner | Product Introduction

Multiple Ultrasonic cleaner DH25-12DTS has functions such as cleaning, dispersion extraction, nano preparation, chemical reaction, degassing, de-foaming, emulsification, mixing, etc. It breaks through the traditional cleaning form of a single-frequency machine. By converting between two frequencies of 25KHz and 40KHz, the cleaning object can complete the entire process from rough washing, cleaning, to rinsing in one machine.

### Product Features

- ◆ Power-off protection: Memory function for working parameters in case of power failure
- ◆ Digital display screen: Displays remaining time and actual temperature inside the tank
- ◆ Adjustable time: Total working time can be set between 1-999 minutes
- ◆ Heating function: Adjustable temperature range from room temperature to 80°C
- ◆ Adjustable power: Power can be adjusted between 40% to 100%
- ◆ Dual-frequency optional: Selectable frequency conversion between 25KHz and 40KHz (optional 60KHz and 80KHz)
- ◆ High-quality: materials The instrument's inner and outer casing and soundproof cover are made of high-quality stainless steel

### Technical Parameters

Model	Capacity (L)	Frequency (KHz)	Ultrasonic Power (W)	Power Adjustable(W)	Drainage	Mesh Basket	Tank Size (L.W.H)	Heating Power(W)	Temperature Adjustable (°C)
DH-3200DTS	6	25/40 or 60/80	180	40~100%	/	Yes	300*155*150	400	Room Temp~80
DH-5200DTS	10	25/40 or 60/80	240	40-100%	Yes	Yes	300*240*150	800	Room Temp~80
DH-5200DTS	10	25/40 or 60/80	360	40-100%	Yes	Yes	300*240*150	800	Room Temp~80
DH-4200DTS	14.4	25/40 or 60/80	480	40-100%	Yes	Yes	300*240*200	800	Room Temp~80
DH25-12DTS	22.5	25/40 or 60/80	600	40-100%	Yes	Yes	500*300*150	1000	Room Temp~80
DH25-12DTS	22.5	25/40 or 60/80	720	40-100%	Yes	Yes	500*300*150	1000	Room Temp~80
DH-800DTS	30	25/40 or 60/80	840	40~100%	Yes	Yes	600*300*200	1000	Room Temp~80