



#### 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

By means of the transducer, the acoustic energy of the power ultrasonic source is converted into mechanical vibration, and the ultrasonic wave is radiated into the cleaning solution in the tank through the cleaning tank wall. Due to the radiation of the ultrasonic wave, the microbubbles in the liquid in the tank can rapidly grow and burst under the action of the sound wave. The high-intensity shear force generated by the burst acts on various types of samples, achieving cleaning, extraction, emulsification, accelerated dissolution, pulverization, dispersion and other effects.



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#### Ultra Cleaners | Product Introduction

Ultra Cleaners DH-1000DT utilizes the cavitation effect of ultrasonic waves in cleaning liquids to accelerate the dissolution and removal of dirt, grease, and other contaminants in the holes and blind holes of the cleaned vessels. In addition, the instrument is also suitable for the fields of effective ingredient extraction, extraction, dispersion, and removal of gas from the mobile phase. The instrument has the advantages of fast cleaning speed, good effect, no damage to the surface, and reduced labor intensity.

#### Product Features

- ◆ Power Failure Protection: Memory function for working parameters in case of power failure
- ◆ Digital Display Screen: Digital display for ultrasonic cleaning time setting and countdown display for working time
- ◆ Adjustable Time: Total working time setting of 1-99 minutes
- ◆ Heating function : Adjustable range from room temperature to 80°C
- ◆ High-Quality Material: The inner and outer shell of the instrument and the sound-reducing cover are made of high-quality stainless steel

#### Technical Parameters

Model	Capacity (L)	Frequency (KHz)	Ultrasonic Power (W)	Adjustable Time	Drainage	Mesh Basket	Tank (L.W.H)	Heating Power(W)	Temperature Adjustable (°C)
DH25-12DT	22.5	40	600	1-999	Yes	Yes	500*300*150	1000	Room temperature ~ 80
DH25-12DT	22.5	40	720	1-999	Yes	Yes	500*300*150	1000	Room temperature ~ 80
DH-800DT	30	40	840	1-999	Yes	Yes	600*300*200	1000	Room temperature ~ 80
DH-1000DT	54	40	1000	1-99	Yes	Yes	600*300*300	3000	Room temperature ~ 80
DH-1200DT	70	40	1200	1-99	Yes	Yes	600*400*300	4000	Room temperature ~ 80
DH-1500DT	90	28	1500	1-99	Yes	Yes	600*500*300	4000	Room temperature ~ 80
DH-1800DT	108	28	1800	1-99	Yes	Yes	600*600*300	4000	Room temperature ~ 80