



#### 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
DH-2000DT	117	28	2000	1-99	Yes	Yes	650*600*300	6000	Room temperature ~ 80
DH-3600DT	135	28	3600	1-99	Yes	Yes	750*600*300	8000	Room temperature ~ 80
DH-6000DT	273	28	6000	1-99	Yes	Yes	1200*650*350	10000	Room temperature ~ 80
DH-8000DT	410	28	8000	1-99	Yes	Yes	1800*650*350	12000	Room temperature ~ 80