

MES 5/10 Litre Ultrasonic Cleaner



Chamber size: 5ltr-24cm length×14cm width×15cm height
External dimensions: 32.5cm L × 17.5cm W × 26.5cm H

Chamber size: 10ltr-30.5cm lgth×24.5cm wdth×15cm hght
External dimensions: 39.5cm L × 28cm W × 29.7cm H

12 month warranty

The ultrasonic cleaner has been widely accepted for use in hospitals, medical surgeries, schools, scientific research institutions and manufacturing industry.

It introduces advanced technology to deep clean the surface of deep / blind holes and convex instruments with high efficiency precision.

The Unit is used for the cleaning of medical, surgical and dental instruments.

It is made of stainless steel which prevents eroding and is easily cleaned.

It has heating function and double frequency function.

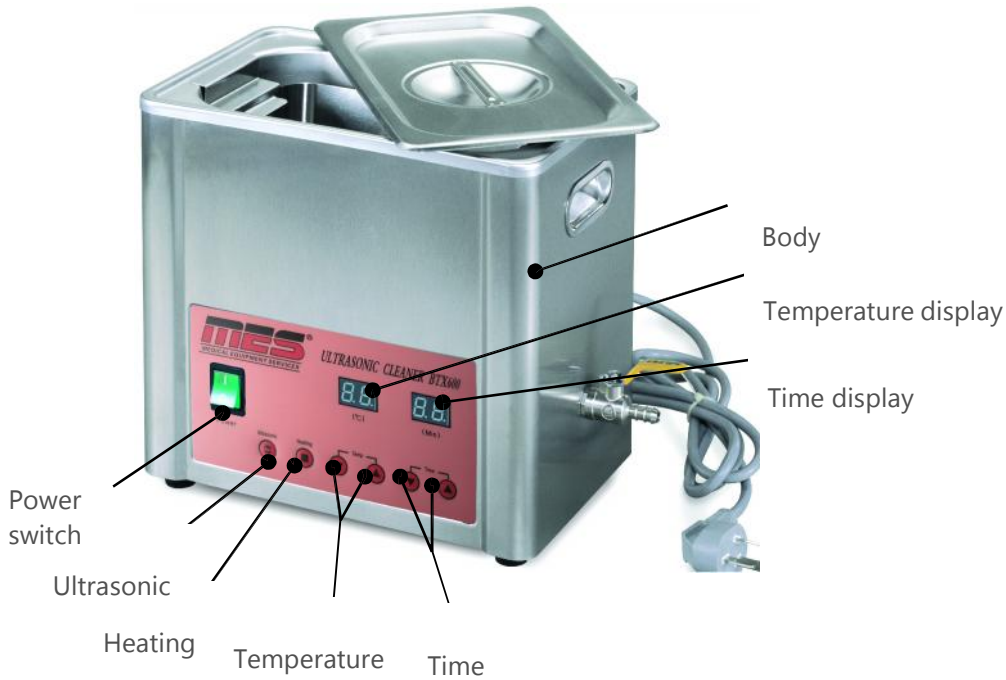
Comes complete with hard basket, water tube & power lead.

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OPERATIONS MANUAL

1. Structure

The structure of the ultrasonic cleaner is shown below



Graph 1

2. Basis

Ultra audio frequency electric signals are generated by an ultrasonic wave generator and then shift to mechanical vibration at the same frequency by the piezoelectric reversed change effect of the transducer and then are made radiation congested in the cleaning solutions in forms of ultrasonic longitudinal waves, which are transmitted alternately in the negative and positive pressure areas. This action creates thousands of small bubbles which explode during the cycle. The bubbles are generated in the negative pressure area and close up quickly in the positive pressure area to explode to make high pressure impact on the surface and inside any slots or holes to remove any deposits attached. This cleaning effect peels off the dirt quickly by "Cavitations" effect, which is unique to this ultrasonic cleaner.

3. Main Technical Indicators

1. Power voltage and frequency: AC240V/50Hz, AC110V/60Hz
2. Fuse: F2A, AC250V
3. Ultrasonic Cleaner's basic size as below

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Type	Cleaning Tank Dimensions (mm) (L×W×H)	Frequency (KHz)	Ultrasonic Power (W)	Water Release	Cover	Heating power (W)	Time Setting (Min)	Heating (°C)
BTX600	240×140×150	40	100	Yes	Yes	75	1-99	20-80
BTX600-1	500×140×100	40	200	Yes	Yes	120	1-99	20-80
		Double Frequency				NIL		NIL
BTX600-2	300×240×150	40	200	Yes	Yes	120	1-99	20-80
		Double Frequency				NIL		NIL

4. Operation Method

1. Check that the power plug is earthed and power cord of Ultrasonic Cleaner is correct.
2. Add cleaning liquid to the cleaning tank. The liquid level should not be lower than ½ of the height of the cleaning tank and should not be higher than the maximum mark of the tank when cleaning. Cleaning liquid should be added according to the cleaning requirements to improve the cleaning effectiveness. The cleaning liquid will not corrode the inner tank or the body of the machine.
3. Connect the power plug of the ultrasonic cleaner to a three-pin socket with protective earthing.
4. Turn on the power (I for connect and O for disconnect).
5. Set the cleaning temperature (HEATING) by pressing the arrow according 6.
6. Put the items to be cleaned into the net basket and put the basket into the cleaning tank. For heavy materials, the materials can be hung in the cleaning liquid to strengthen the cleaning effectiveness and improve the cleaning quality.
7. Set the cleaning time (Timer) according to the begriming status. (Normally 3 to 30 min. the time can be extended for materials hard to clean).
8. Then press START/STOP. If the liquid surface is making reticulation waves with vibration sounds, the cleaner is in the cleaning process.
9. Take out the items cleaned together with the net basket after the cleaning cycle has completed. Then rinse the materials.
10. Discharge the cleaning liquids and wipe the machine body clean.

5. Safety Precautions

1. Please read the operation manual carefully before use.
2. Ensure that the power source is correctly earthed.
3. Do not operate near uncovered flames.
4. Ensure any volatile liquids are covered.
5. Do not operate above 80 degrees centigrade. Generally clean at normal and mid-temperature
6. Always ensure there is cleaning solution in the tank before switching on the machine.

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6.Maintenance

This a valuable piece of equipment and should be maintained as such.

Thorough inspection should be done periodically by experienced personnel.

1. Inspect external connections and body for looseness, overheating or leaks.
2. Clean any dust from around the cooling fan and guard.
3. If the vibration generator is loose or the power cord is burnt contact your supplier.

7.Contents

Name	Quantity	Remarks
Ultrasonic cleaner	1pc	
Manual	1pc	
Warranty card	1pc	
Mesh basket	1pc	
Plastic hose	1pc	
Power cord	1pc	