



High Speed Homogenizer

LB-10HSH

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1. Safety Measures

- 1) Never operate the homogenizer without medium submerging the dispersing tool at a suitable level.
- 2) Make sure hair, cloth strips, or similar items do not trap the rotor of the dispersing tool.
- 3) Don't knock at any part of the dispersing tool which may cause damage, or out-of-shape to it.
- 4) Only staff who have been trained accordingly, know the appliance, and are authorized to carry out work in this field should use this appliance.

2. Introduction

High speed Homogenizer LB-10HSH is a portable and handheld unit integrated with thermistor for speed adjustment. Photoelectric sensor measure works speed. Digital screen displays the working speed. Its extruded shapes make it suitable for different working environments.

3. Features

1. Thermistor adjusts high speed
2. Photoelectric sensor
3. Minimum processing capacity : 0.2 ml
4. Advanced electronic circuits
5. Digital display for speed monitoring
6. Working stand (optional)

4. Specifications

Model No.	LB-10HSH
Speed	8000 rpm ~ 30000 rpm
Minimum Capacity	0.2 ml
Maximum capacity	120 ml
Power	160 W
Speed mode	Stepless speed
Voltage	220 V
	50 / 60 Hz
Weight	1 Kg

5. Applications

User to pre-treatment micro-samples. Used for liquid mixing, emulsion and homogenization dispersion of solid powder in a liquid. Crushing and homogenization animal tissue.

6. Operations

The installation of this machine is very easy. Just screw the dispersing tool in a clockwise direction onto the motor (Fig.01)



Fig.01

6.1 Cleaning the Machine

After each operation, the dispersing tool must be washed and cleaned in time for the next use.

- For materials to wash away easily, put the right amount of detergent into the container and run the tool for 5 minutes after that wash it with fresh water and dry it with a soft cloth.
- For materials washing is difficult, it is suggested to wash it with solvent but not dip the tool in the solvent with strong corrosivity for too long time.
- For bioscience, pharmaceuticals, food, and beverage applications where high sanitation demand is required, the dispersing tool should be dismantled and cleaned carefully.
- After wash cleaning, the dispersing tool should be dried before it is packed, otherwise the water may enter the bearing and cause rust and damage (**Fig.02**).

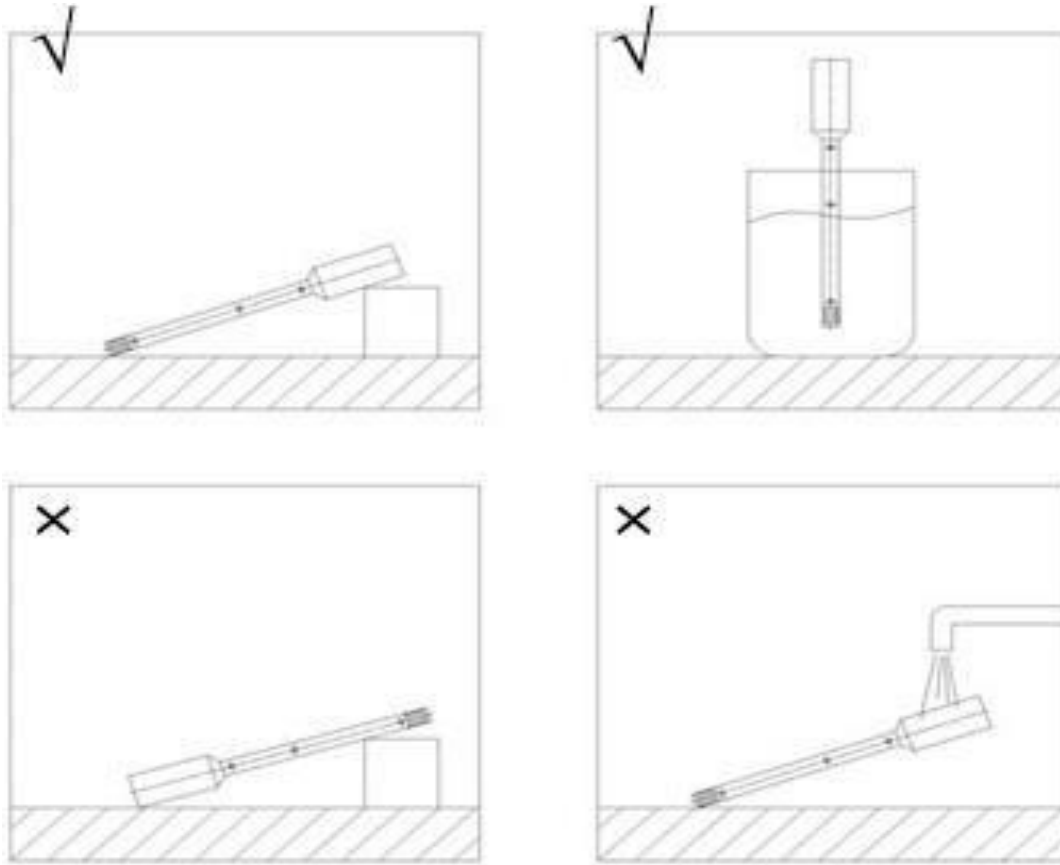


Fig. 02

6.2 Disassembly and Assembly of the Dispersing

- All the operations concerning disassembly and assembly should be carried out by professional engineers.
- Refer to **(Fig.03)** to do the disassembly and assembly

1) Disassembly

- Rotate the Fixed Screw in an anti-clockwise direction to remove it.
- Pull out the Main Shaft.
- The disassembly is finished.

2) Assembly

The assembly steps are just in reverse order of the disassembly.

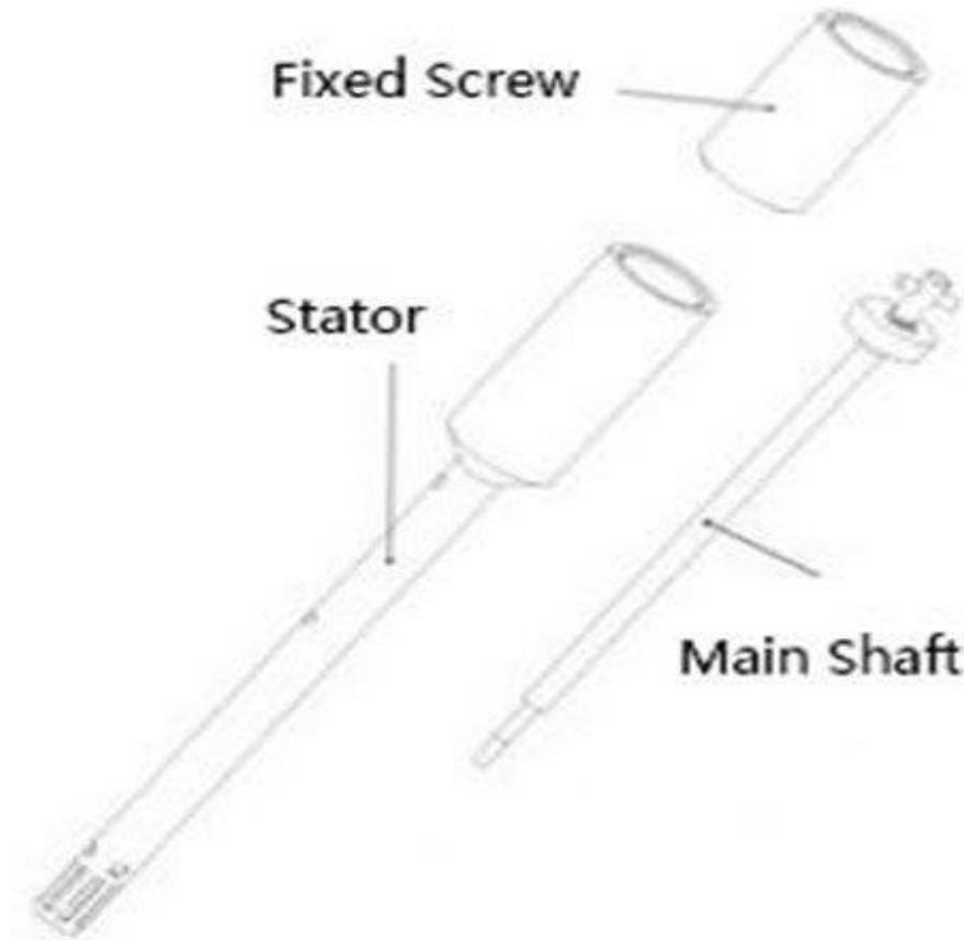


Fig. 03



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