

# Glass Beads Sterilizer

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**Cat. No. BT1703, BT1704**

Thanks for choosing BT Lab Systems' Glass Beads Sterilizer. This operation manual describes the function and operation of the instrument. In order to use the instrument properly, please read this manual carefully.

### IMPORTANT SAFETY INFORMATION

- Use with clean, dry glass beads. The standard depth below the edge of stainless steel container should be about 2cm. Please don't use other fillers or let liquid come in contact with the container.
- Turn on the power switch and allow time to heat. Then the vessel temperature will reach the set temperature. When power is turned on it will keep the internal temperature.
- Don't touch the glass beads or sterilization container before they have cooled to avoid burns.
- Insert the equipment that needs to be sterilized into sterilized glass beads at least 10 seconds.
- Turn off the power switch and close the cover after operation is finished to prevent dust and foreign matter from entering the instrument.

### MAINTENANCE

- Sterilized glass beads must be cleaned at least once per week. Wait until the instrument has cooled completely when getting out the glass beads.
- Reuse after cleaning and drying. (Take the glass beads out and clean with mild detergent soap. After rinsing ,it can be dried)

### INTRODUCTION

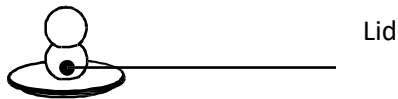
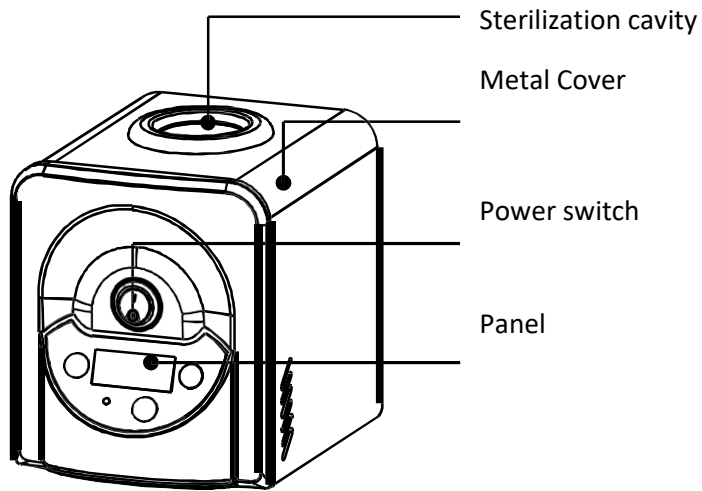
BT Lab Systems' Glass Beads Sterilizer uses heated glass beads for sterilizing small lab equipment items. The sterilizer has a compact design and effectively sterilizes small, solid, metal and glassware within ten seconds. When glass beads are heated to about 300 °C, it can effectively destroy bacteria and spores. The instrument is used for forceps, scissors, forceps, scalpels, needles, ring vaccination and inoculation needles. It is commonly used in research labs.

### TECHNICAL SPECIFICATIONS

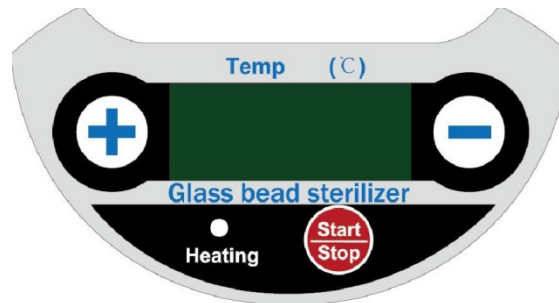
Catalog No.	<b>BT1703</b>	<b>BT1704</b>
Internal Dimension	Φ40mmx80mm	Φ40mmx150mm
Temperature Adjusting Range	100°C ~300°C	100°C ~300°C
Temperature Control Accuracy	≤±5°C	≤±5°C
Heating time(R.T. to 300°C)	≤25min	≤25min
Power	120W	300W
Net Weight	2.0kg	2.5kg
Dimension(DxWXH)mm	150X130X200mm	150X130X240mm

This section mainly describes the instrument's mechanical structure, the keyboard and functions of each key. Please learn this chapter well before the instrument is operated for the first time.

## OVERVIEW



### *Panel and display screen*



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To increase or decrease the setting value of temperature. Continuously pressing can increase or decrease quickly. Maximum setting temperature is 300 ° C.

**Start/Stop**

Start/Stop key. After speed and time are set, pressing this key will start or stop the procedure.

## OPERATION

1. When the instrument powers on, display screen will show “8”.
2. The instrument goes into the initial state.
3. After 2 seconds, temperature display window shows e.g. 260. This means the last set temperature is 260 ° C.
4. Press the + or - key to adjust the temperature value. Hold it and the value can be modified quickly.
5. During operation, press START/STOP key stop operation. Press it again, to restart operation.
6. When the instrument is heating and temperature is increasing, the indicator light is on. When it is up to set temperature, the indicator light flickers.

## TROUBLE SHOOTING

Issue	Possible Causes	Solution
No signal on the display when power is on	Power line not inserted	Insert the power line
	Broken Switch	Exchange the switch
	Switch off	Turn on the switch
	Contact BT Lab Systems	Contact BT Lab Systems
The actual and displayed speeds are different.	Contact BT Lab Systems	Contact BT Lab Systems.
Display “ERR speed out of control”	Contact BT Lab Systems	Contact BT Lab Systems
Key not working	Broken Key	Contact BT Lab Systems

## TECHNICAL SUPPORT

BT Lab Systems offers technical support for all of its products. If you have any questions about the product's use or, operation, please contact BT Lab Systems at the following:

E-Mail: [info@BTLabSystems.com](mailto:info@BTLabSystems.com)