

Instructions for Use of the Multi-tube Vortex Mixer

Model Number: 3D43T — 3000



Content

- 1. Product introduction**
- 2. Guide to operation**
- 3. Replacement foam rack**
- 4. Packing list**

Product presentation

1. Product Introduction

The 3D43-3000 multi tube vortex mixer uses a DC brushless motor and can mix up to 28 samples at a time. One test tube rack can simultaneously handle the mixing of samples of different test tube specifications such as 2ml, 5ml, 10ml, 15ml, and 50ml. The test tubes can be directly inserted into the test tube rack, making the experimental operation more convenient and simple.

- Colorful touch screen for more intuitive operation.
- Constant speed mode, impact mode, and processing for different samples.
- DC brushless motor with better speed accuracy, rotational stability, and noise control.
- Different fixed sponges can be installed with different test tubes, and can handle up to 28 samples at a time.

2. Performance parameters

- Display: 4.3 inch touch screen
- Working modes: average mode, impact mode
- Motor: Brushless motor
- Maximum power: 120W
- Speed range: 300-3000rpm
- Rotation diameter: 3mm (horizontal rotation)
- Maximum load: 4.5Kg
- External dimensions: 310 * 450 * 200mm
- Net weight: 19Kg
- Working environment: 0-40 °C
- Power supply: AC100-240V 50-60Hz

3. Instruction

3.1 Mode selection



- Average mode: The mixer rotates at a fixed speed and uniform speed (see 3.2 for details)
- Impact mode: achieve better mixing effect through high-speed forward and reverse rotation (see 3.3 for details)

3.2 Average mode



- You can adjust the speed by pressing the up and down buttons, and directly press the speed to input it through the keyboard.
- Set the total time (HH: MM) using the same method as before.
- Start button, run according to the set value.
- Press and hold the 'jog' button to start, release and stop
- Home button, return to mode selection (see 3.1 for details)

3.3 Impact Mode (Select Document)



- Speed adjustment, fine adjustment up and down, or direct input.
- Forward turning time (Sec)
- Flip time (Sec)
- Timing time (HH: MM), total working time setting
- Start button, press the set parameters to run forward and backward.
- Press and hold the 'jog' button to start, release and stop
- Home button, return to mode selection (see 3.1 for details)

Replaceable foam rack

Module number	Module Description	Tube number	Module Size
STV-B01	5ml to 50ml tube rack is applicable	20	260X180X45
STV-B02	5ml to 25ml tube rack is applicable	28	260X180X45

Packing List

No.	Item	Model	Unit	Quantity	Confirm	Remark
1	Main engine		Set	1		
2	Power line		Pc	1		
3	Replacement foam rack		Pc	1		
4	Instructions		Pc	1		
5	Fuse		Pc	1		
6	Certificate		Pc	1		