



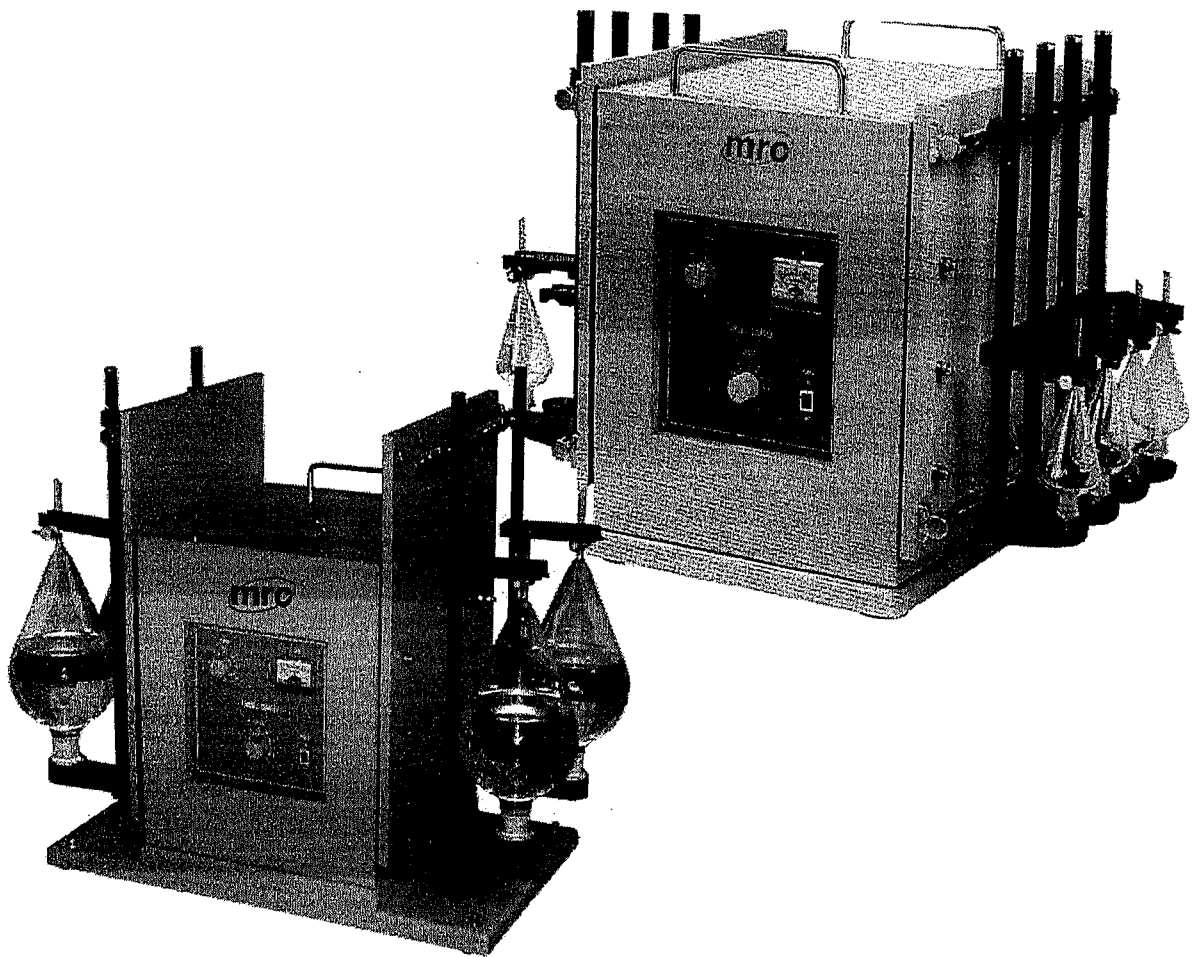
# INSTRUCTION MANUAL



Laboratory Equipment Pty Ltd

Laboratory Equipment Pty Ltd  
email: [sales@labec.com.au](mailto:sales@labec.com.au)  
Ph: 02 9560 2811 • Fax: 02 9560 6131  
[www.labec.com.au](http://www.labec.com.au)

**Operation Manual for**  
**FUNNEL SHAKER**  
**VD-12 / VD-12-2S**

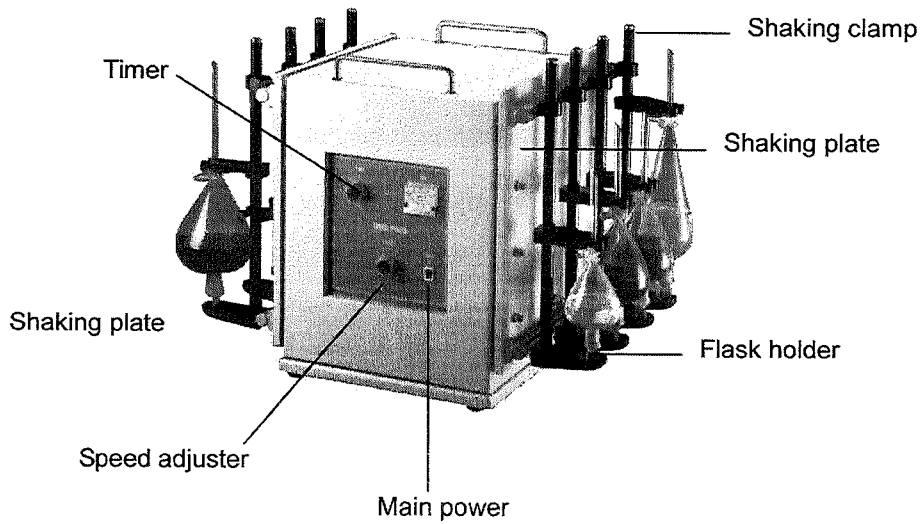


**PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATION**

---

PLEASE READ CAREFULLY BEFORE USE. THANK YOU.

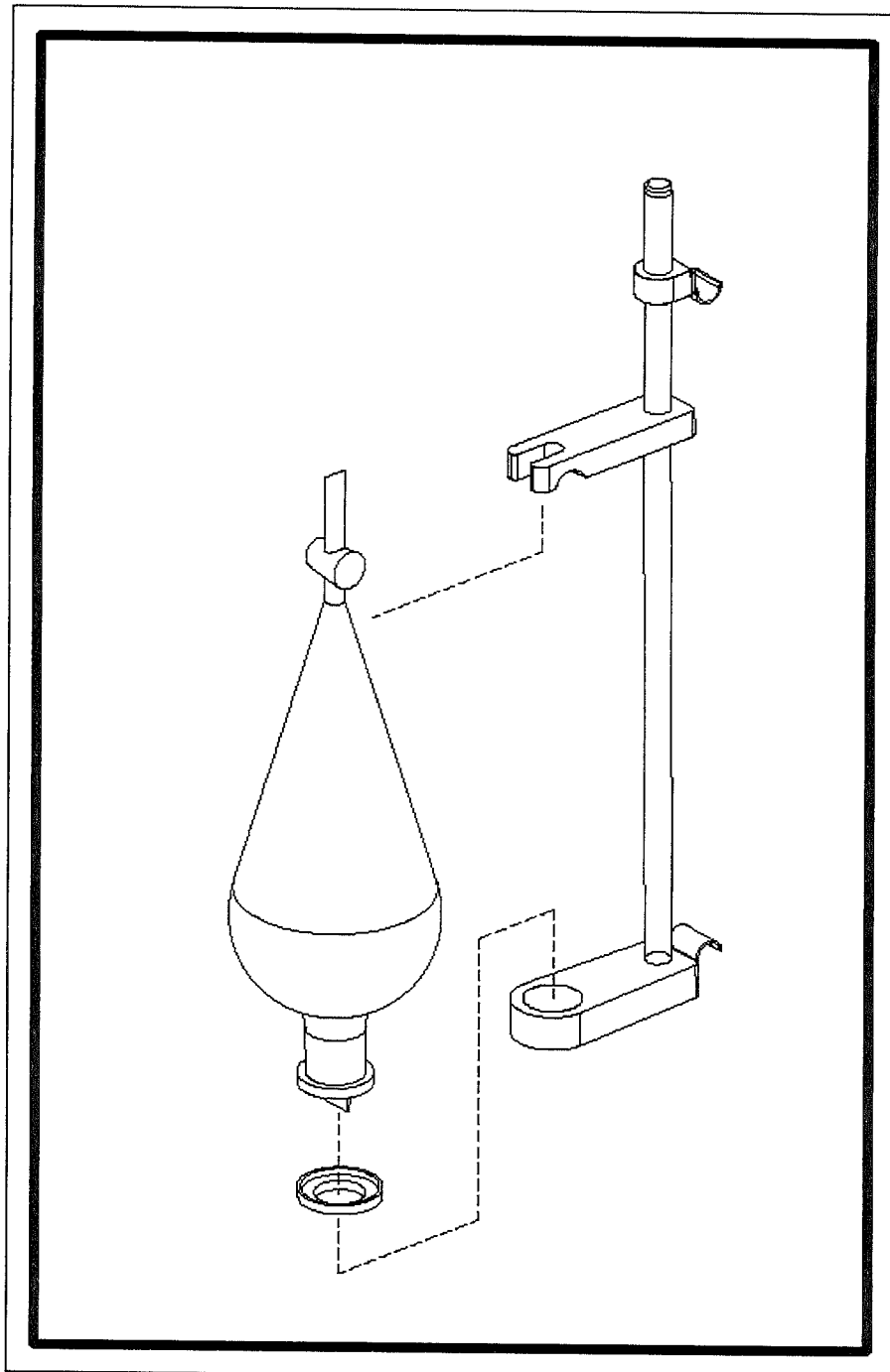
**(□) STRUCTURE**



**(□) SPECIFICATIONS**

Model	VD-12 (1L)	VD-12-2S (1L& 2L)
Power	AC 110 / 220V, 50 / 60 HZ	
Motor	DC 250W	
Shaking type	Vertical	
Speed	0~350 rpm	* 0~300 rpm
Stroke	40 mm	
Timer	0~60 min.	
Control	Stepless speed adjustable system	
Size	430 x 710 x 710 mm	430 x 710 x 730 mm
Weight (kg)	65	81
Flask holder (ml x pcs)	100 x 12	100 x 12
	200 x 12	200 x 12
	300 x 8	300 x 8
	500 x 8	500 x 8
	1000 x 6	1000 x 6

- (□) THE INSTRUCTIONAL DRAWING FOR HELPING TO  
PUT ON / TAKE OFF THE ACCESSORIES OF VD-12-2S.



## **(□) OPERATION PROCEDURE**

1. Turn the speed adjuster "OFF", and put plug into the socket.
2. Fix the shaking clamp on the shaking holder, also fix the pile in the hole/little disk if model is VD-12-2S. (The little movable disk is for a better fixing purpose)
3. Spring clamps for fixing the flask easily.
4. Open the main power "ON", turn the timer, and set the prepared shaking time.
5. Turn the speed adjuster, it will start shaking. See the tachometer for speed reference.

## **(□) ATTENTION**

1. This machine must be placed on a stable, wide and dry place.
2. Please don't touch the shaking parts during shaking.
3. Please put on/take off the flasks lightly and carefully.

## **(□) INSPECTION**

When the machine is out of order, please refer the followings to check up.

1. The carbon brushes on two sides of the motor are out of using or in bad contact.  
(Replace a new carbon brush set if the carbon brushes are run out.)
2. The fuse burns out or not.
3. The timer and speed adjuster work normally or not.

If all the mentioned points are not the reason for causing the machine to be out of order, please send it back to the agent for examination & maintenance.

(VI) CIRCUIT DIAGRAM

