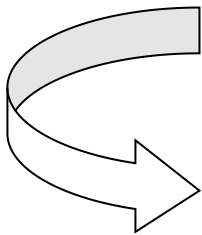

Automatic Clamping Gyroscopic Mixer



User Manual

1. PREFACE

This mixer represents the very latest high speed paint mixing technology. As a result, it is an technologically advanced and reliable mixer.

The purpose of this manual is to help end users in the use and general maintenance of this equipment. It states the way of use and maintenance of this equipment. To fully appreciate and protect your investment, you are suggested to read and fully understand this manual.

The mixers are offered with a **one-year limited warranty**, and a dedicated service organization. The maintenance operations as mentioned in this manual need to be carried out on a regular base.

Make sure read below warning before running the machine

Warning:

1. **Forbid to run the machine without putting can in it. Otherwise, it will damage the machine.**
2. **Avoid to operate the machine overload.**
3. **Never use a load with a weight over 35kg,**
4. **Don't switch off the machine with the can inside.**
5. **Do not place any damaged packaging in the machine. Running the machine with damaged packaging is at "user's" risk. Already damaged packaging may cause damage to your machine. During the maintenance respect the security rules and the procedure described in its Paragraph.**
6. **The machine is to be operated only by trained personnel. We shall not be liable for any damage or injury caused by non-compliance with the "user" and " safety" Regulations presented in this manual.**
7. **Before you put the paint can inside the machine, please check whether the paint can is distorted or leaking. If it's distorted or leaking, you shouldn't put it inside the machine.**
8. **If the paint can has a handle, make sure the handle is firm, otherwise, disconnect it.**
9. **Before mixing, please check whether the paint can be located at center place of the bottom plate. If it's not at the center place, adjust it to the center place.**
10. **Before starting the machine, please check whether there are objects that block the machine's rotating. If there are such objects, take them out of the machine before you start .**

2. TECHNICAL SPECIFICATIONS

Time of Mixing: 15 seconds ~9 mins 45 seconds

Size of Mixing can: 1~20L

Load of Mixing can: 1~35KG

Speed of Mixing can: Adjustable (Default big can speed is 90 r/min; default small can speed is 130 r/min)

Height of Mixing can: 95~410mm

Power Supply: 220V±10% 60HZ

Rated Power: 750W

3. TERMS OF WARRANTY

Limited Warranty: We offer a period of one year warranty for each equipment. Within guarantee period, we can help you judge the fault according to the failure phenomenon by E-mail. and send replacement part to you. If the fault has been caused by mis-use or abnormal conditions of operation, repairs will be billed at a normal cost in this case. An estimate will be submitted before repair work is started in case requested.

The user must keep the machine in a proper working condition. Broken parts and accessories must be replaced with original appropriate parts of the machine.

The manufacturer's warranty expires under below conditions:

Twelve months after date of invoicing;

In case of inexpert use;

In case of non-original spare parts are used;

In case of repairing/adaptation of the machine without written approval and/ or by unauthorized personnel;

In case of non-fulfillment of the maintenance, operation or other instructions reflected in this manual.

4. SAFETY SPECIFICATIONS

Safety requirements:

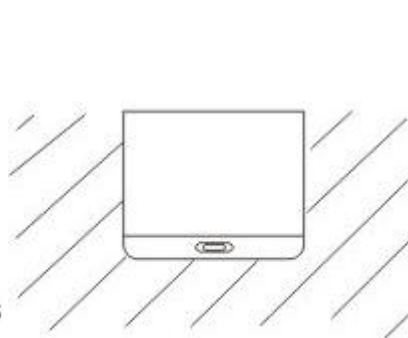
Since the mis-use and wrong operation might cause accidents, the equipment should be operated and maintained by trained personnels only. Here are the areas where accidents easily happen:

1. Operator area
2. Maintenance area

Since the mis-use might cause danger and accidents, the equipments can be used by well-trained persons only.

MAINTENANCE AREA

OPERATOR AREA



Power Supply:

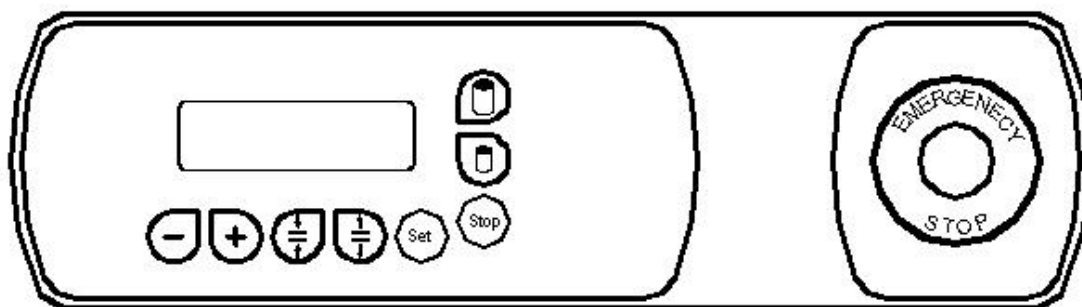
110-120 VOLTAGE: When the Shaker is connected to a voltage of 110-120 Volt, the source current must be more than 32A (with the leakage current being 30mA).

220-240 VOLTAGE: When the Mixer is connected to a voltage of 220-240 Volt, the source current must be more than 16A (with the leakage current being 30mA).

Safe use of the machine:


1. The installation and maintenance of the machine must be performed by a specialized technician.
2. Please properly secure the outside panel of the mixer to prevent any physical injuries.
3. Prior to any maintenance and inspection of the machine, disconnect the power cord from the outlet mains. Make sure that the machine cannot be started unexpectedly.
4. Do not leave any tools inside in the machine after maintenance.
5. Check that the environment where the machine is installed conforms to local regulations (a permit issued by local authority may be necessary) and avoid dangerous concentration of paint cans around the equipment. It's forbidden to stock inflammable materials or other materials inside the machine. It's forbidden to use free flames, incandescent objects or equipment that are able to create sparks in the local where the machine is installed.
6. It is recommended to install a ventilation system to guarantee that the concentration of dangerous vapours around all electrical components is less than 30%.
7. Take the paint can out from the machine at the end of the work. If you don't use the machine any more, cut off its power supply.
8. In the locations where the machine is installed, the prohibition symbols "No Smoking/ Burning" have to be placed at 5 meters from the machine. The equipment is constructed for the treatment of non-explosion materials. It is forbidden to use this machine with inflammable or explosion vapors.


5. INSTRUCTIONS FOR THE BUTTONS ON LCD DISPLAY



In the interface of mixing

Turn on the power switch, when the words " **prepared, mixing time *:** ** " occur on LCD display, means it is in the mixing interface, mixing time can be changed.

 : Press this button each time , 15 seconds will be increased. The maximum mixing time is 9 minutes and 45 seconds.

 : Pressing this button each time, 15 seconds will be decreased. The minimum mixing time is 15

seconds.



: Press this button without stopping, the upper and lower plate will move to the center part simultaneously to clamp the paint can. When releasing this button, clamping movement will stop.



: Press this button without stopping, the upper plate and lower plate will move to opposite ends simultaneously to release the paint can. When releasing this button, the two plates will stop moving.



: Press this button to mix with big can speed. **(Noted: the height of the can \geq 220mm will be identify as big can)**



: Press this button to mix with small can speed. **(Noted: the height of the can $<$ 220mm will be identify as big can)**



: After setting the mixing time, press this button to save. (next time you turn on the mixer, the saved mixing time will occur on LCD display)




1. During mixing, press this button to stop mixing. The clamping mechanic will move to its original place (the vertical position) automatically, and release the upper and lower plate.

2. When “ not stop at origin” occur on the LCD display, press this button, the clamping mechanics will move to its original place (the vertical position).

In the interface of setting parameter:



Turn on the power switch and pressing the button  in the same time until the LCD display “Big can speed (50-100) “ , you can enter into the interface of parameter setting **(Noted: need to press this button without stopping until the parameter setting interface occur on the LCD display)**



: this button is used to choose the last item which you want to set the parameter for.



: this button is used to choose the next item which you want to set the parameter for.



: this button is for increasing the number of the parameter or select the parameter value.



: this button is for decreasing the number of the parameter or select the parameter value.



: press this button to return back to the main interface.



: this button is used for saving the parameter. **(Noted: after finishing setting the parameter for one item, you need to press this button to save the data. The LCD will display “save successfully”)**

6. OPERATION INSTRUCTION

1. Turn on the power

Turn on the power supply, model no. "YJ-2A****" will show on the LCD display. Then communication will be checked automatically. If it's normal, "Communication ok" will show on the LCD display. If the clamping mechanics are not at its origins, the LCD will display "rotating to origin". Please wait a moment, the clamping mechanics will move to its origin automatically. After this is finished, "Prepared, mixing time xxxx" will show on the LCD display.


2. Put paint can on the plate

Pull out the lower plate, put paint can on it, move the paint can to the center place. Find something (such as elastic belt) to fix the handle of paint can, then push lower plate into the machine, when you heard "click", means the lower plate already back to the right place.

Caution: distorted paint can and leaking paint can are forbidden to use.

3. Choose mixing time

Mixing time can be changed by pressing "+" or "-". Press one time, 15 seconds will be increased or decreased. The minimum mixing time is 15 seconds, the maximum mixing time is 9 minutes and 45 seconds. If

you'd like to save the mixing time, press  button. The system will take it as the default mixing time after machine is restarted.

4. Start the machine to mix paint

Choose either big can button or small can button to mix paint for different sizes of can. Big can button is corresponding to relatively small speed of mixing paint, and small can button is for relatively big speed of mixing paint.

Noted : 1. The two speeds is adjustable . Big can speed rang is 50r/min-100r/min,default is 90r/min.

Small can speed rang is 50r/min-150r/min, default is 130r/min.

Noted: 2. During mixing , the door could not open.








5. Take out the paint can

Pull out the lower plate. Take out paint can. Remember to push the lower plate to its original position, close the door.

Noted : After finishing mixing. If you need to mix again, you need to open the door, then close it. Otherwise, it won't mix for the second time.

7. PARAMETER SETTING

There are totally four parameters can be set. They are: "Big can speed", "Small can speed", "Mixing mold", "select language".

1. **Enter the interface of parameter setting:** Turn on the power switched on, press the button "" without releasing until the interface "big can speed (50-100) " occurs, and then you can release the button.
2. **Select the parameters:** Press big can  or small can  to select the item of parameter which you want to set. It's a unidirectional cycle to view the parameters one by one.
3. **Adjust the parameters:** Press  or  to adjust the value.
4. **Save parameters:** After finishing adjusting the parameter of one page, press  to save and press  to return to main interface.

Attention: After setting parameter, need to turn off the machine and wait for a moment then turn on the machine if you want to mix a can.