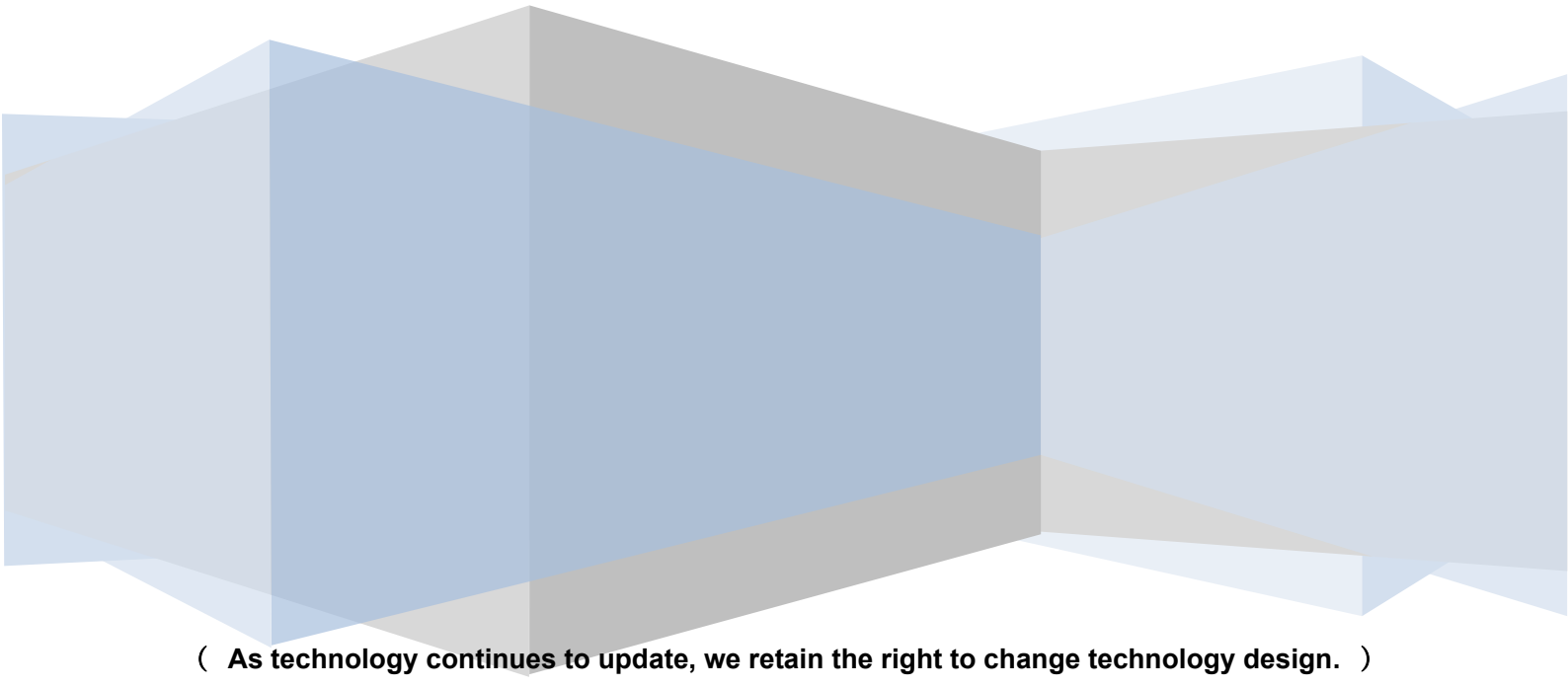
Operation Manual

VH-30 Mixer



（ As technology continues to update, we retain the right to change technology design. ）

1. Main Structure Features

This machine adopts labor feeding and enclosed flapper valve for discharging. It will not produce powder dust, and it also will not produce mechanical compression and strong friction during mixing. So the material particles can remain intact.

The mixing barrel is made of stainless steel, which won't pollute the material. Besides, this machine has timing device, which can control the mixing time of materials.

2. Main Technical Parameters

Model	VH-30
Volume	30L
Best charging quantity	12L
Max. charging quantity	18L
Dia. Of barrel	Φ256mm
Dia. Of feeding port	Φ133mm
Dia. Of discharging port	Φ76mm
Rotary speed of barrel	1-28r/min(frequency converter)
Power	220V 0.75kw

3. Working Principles

The reducing mechanism drives the barrel rotary, and the length of two barrels is different, which will produce asymmetry. And then the machine take advantage of this asymmetry for mixing materials. When the machine is running, materials from the decomposition to the combination, as potential energy differences, which will produce lateral force to promote the horizontal exchange of materials; and materials from the combination to the decomposition, as materials plane differences, which will produce lateral force to promote the horizontal exchange of materials again. The barrels rotary one cycle, which will make 25% of materials flow from one barrel to the other one; at the same time the materials will also produce radial flow, and then the materials can horizontally and radially decompose, alternating combination, so that the materials can mix evenly.

4. Operation and Maintenance

4.1. Connect the power first, setting the required mixing time, then turn on the switch, the machine begin running.

4.2. After the mixing, if you found that the position of discharging port is not the best position, you should turn off the power first, and adjust the position of discharging port.

4.3. Before you use the machine, you should check the appliance, if it is normal; and check the covers of mixing barrels, if the covers are tightly closed.

4.4. User should clean the machine after the finish of work, especially the barrels, prevent the residual materials.

4.5. Note that the reducer should be added enough lubricating oil(generally use the 30 # machine oil), and the transmission should be added grease lubricant.

4.6. Users should maintain the machine once each half of year, change the lubricating oil of reducer, check if the appliance is aging, the appliance should be replaced if it is aging.

4.7. After you have been using the machine for one year or more, you should make a big maintenance, check the gab between each parts, and appropriately adjust them, so that the machine can keep in good condition.

5. Electrical Schematic Diagram

