

## **Semi-Auto Peristaltic pump Weighing Filling Machine**



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## 1. Security Notice

- (1) Be sure to use the ground wire to prevent electric shock;
- (2) Be sure to ensure that the voltage is not overloaded;
- (3) Electric box and the wire part need to be operated under the guidance of electricians;
- (4) Rotation parts need special attention to prevent crushing.

## 2. Operating Circumstance

Please do not use in the following environments:

- (1) Where the temperature changes violently;
- (2) Where the humidity is too high to produce dew;
- (3) Where the vibration or impact is strong;
- (4) Dusty place;
- (5) Places with water, oil chemicals splashed;
- (6) Places with explosive, inflammable and dangerous goods.
- (7) The machine should be placed in a clean and dry place, kept tidy and free from moisture. The ambient temperature should generally not exceed 40°C. All kinds of foreign matter should be strictly prevented from splashing into the motor.

## 3. Manufacture's Authority

- (1) Our company reserves the following rights:  
The organization parts, electronic control components and software changes to upgrade, including the components used in the specifications and brands to maintain the advanced technology products, but not committed to the previous delivery of products for free changes.

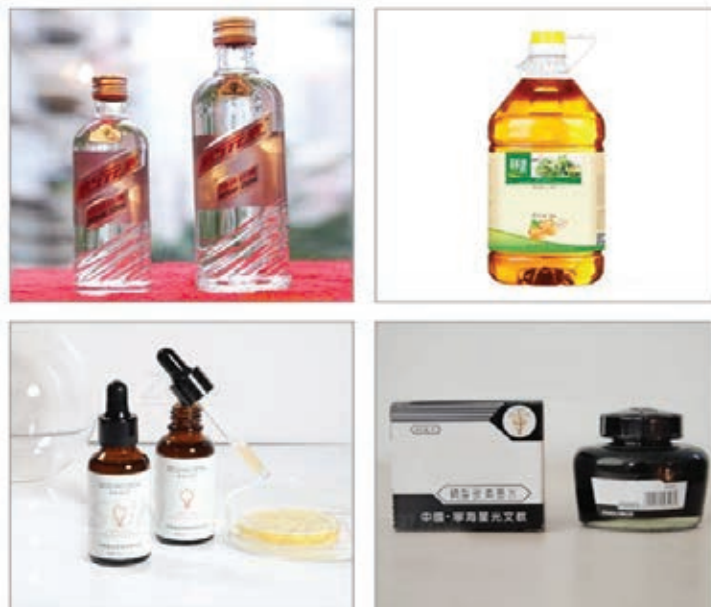
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We have the authority to ensure the integrity of the equipment, the lack of guidance of the manufacturers technician under the circumstances, shall not be unauthorized mechanical structure of the equipment or electrical components to be modified, such as damage caused by the provisions of the damage by the modified party.

- (3) On the basis of the equipment, increase other features, I provide the Secretary for the configuration of technical guidance, but not responsible for supporting the equipment.
- (4) We have the intellectual property rights of this equipment and this operation manual. In case of plagiarism, legal liability shall be borne.

## 5. Product Introduction

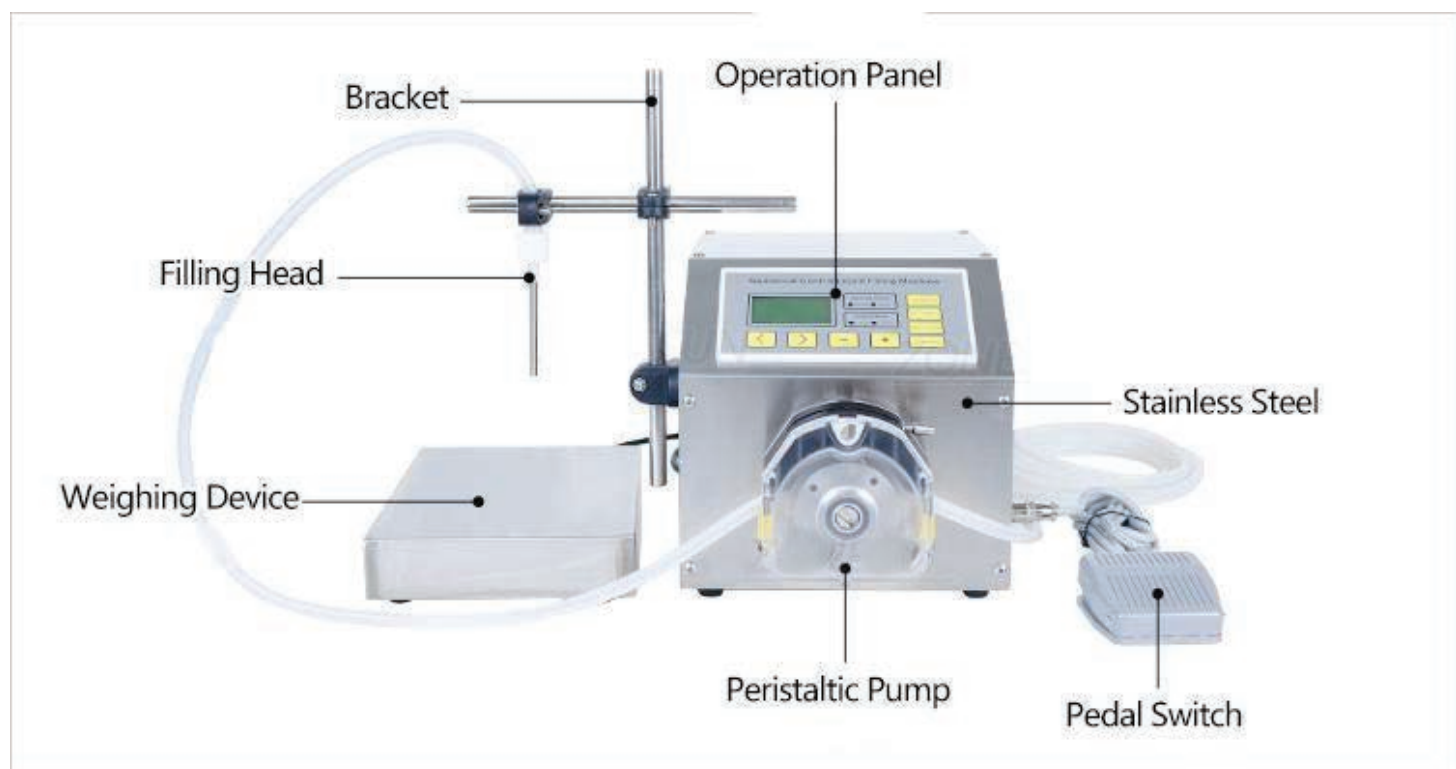
This semi-automatic weighing filling machine is suitable for liquid that is without particles, such as milk, essential oil, edible oil, ink, etc. With peristaltic pump, the liquid will not pass through the pump, ensuring the cleanliness. Operator can set the filling weight on the panel directly. Easy to operate. The machine can be widely used in medicine, daily chemical, cosmetic, catering industries.



## 6. Machine Parameters

	Model	ZS-PP531W
	Voltage	220V/110V 100W
	Max Flow Rate	6L/min
	Filling Range	30ml-6L
	Weighing Range	30g-10kg
	Repetitive Error	± 1g
	Filling Nozzle Diameter	6mm/8mm
	Hose Diameter	6.4mm(ID)/
	Hose Length	2m(inlet) /1m(outlet)
	Liquid Temperature	150
	Max Suction Function	4m
	Memory Function out of power	available
	Machine Weight	7.5kg
	Machine Size	218mm*272mm*203mm(L*W*H)
	Package Weight	8kg
	Package Size	400*370*270mm

## 7. Product Structure

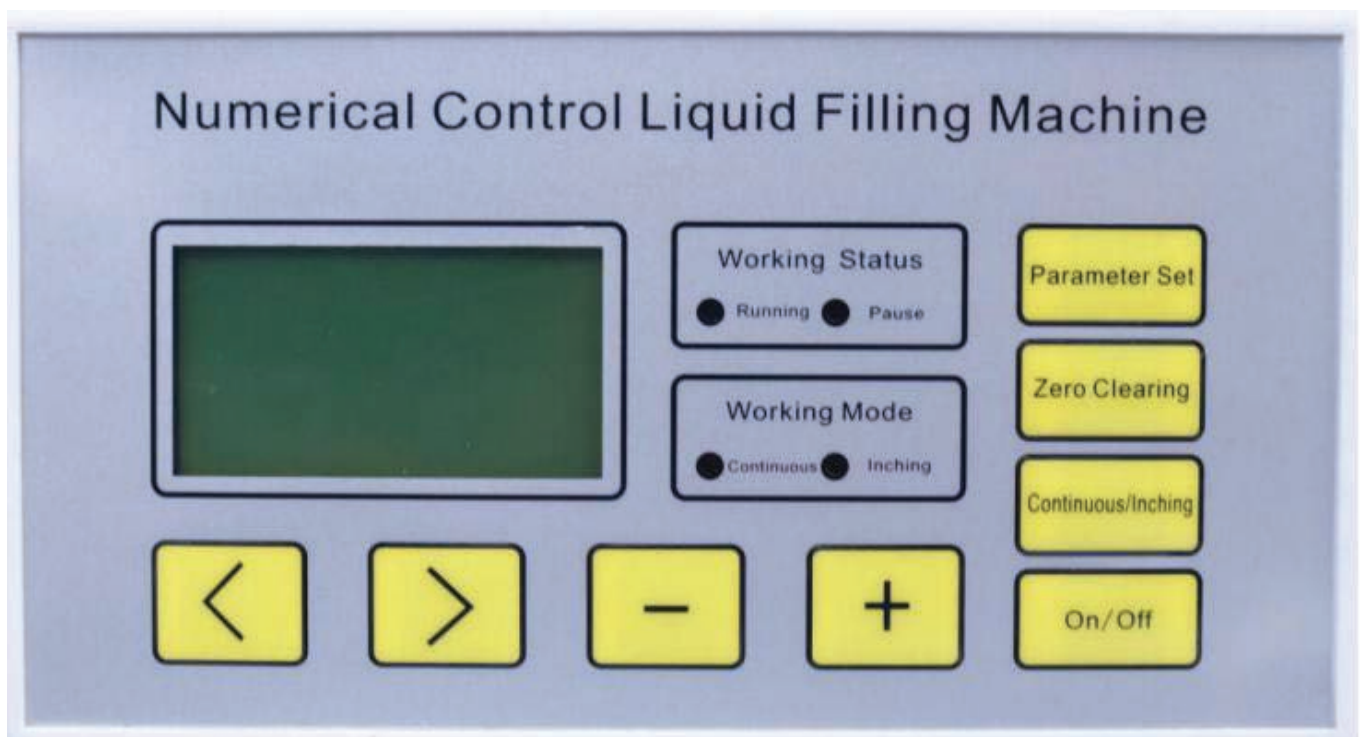


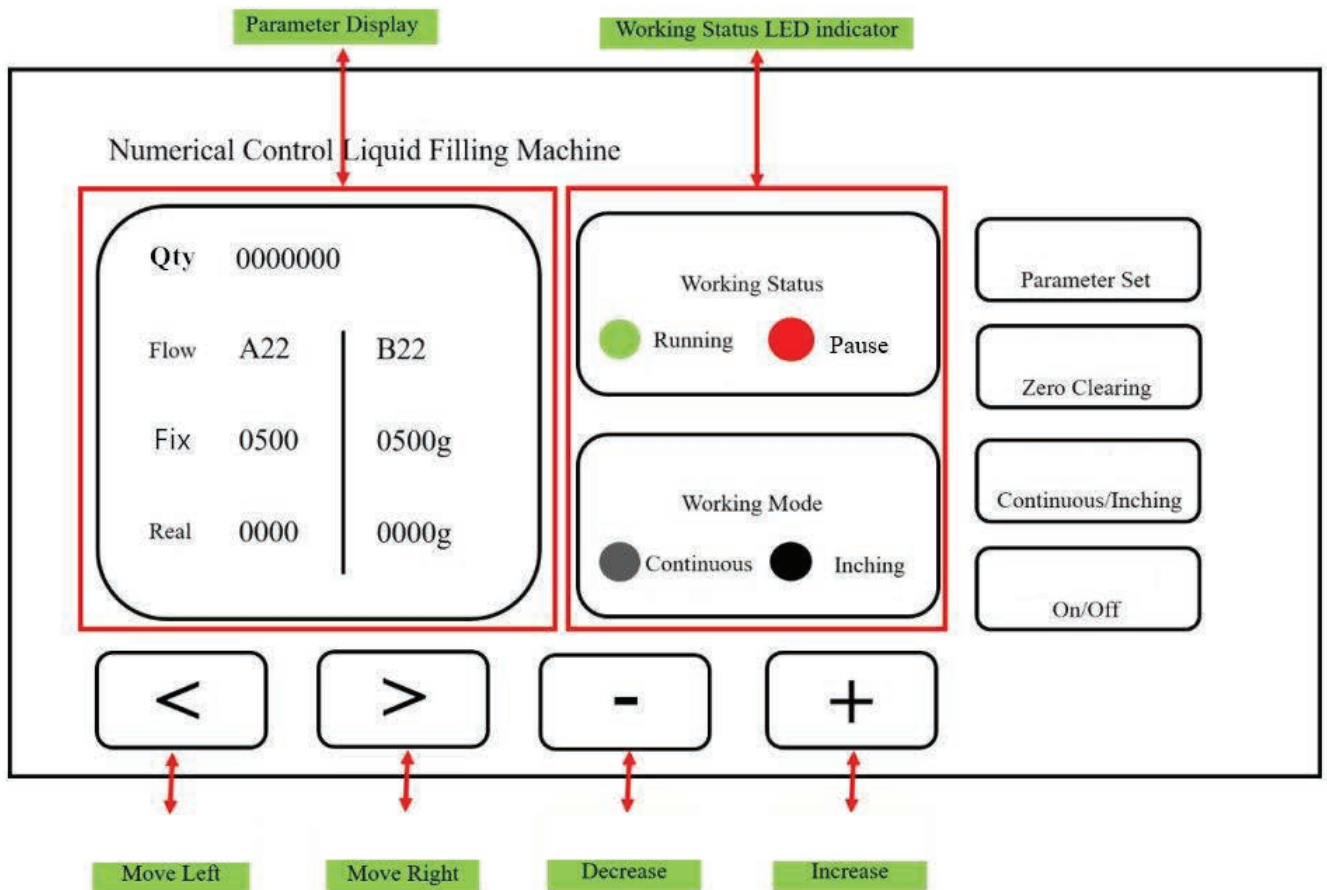
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## 8. Performance Characteristics

- Equipped with microcomputer-controlled chips with precise control and easy operation
- Digital display, precise and free from parallax
- Touch panels, comfortable hand touch and good sensitivity
- Data saving function in the chips which is convenient and reliable
- The whole body is made of stainless steel.

## 9. Operation Panel Description





Picture1

**Qty** : Filling times

**Flow**: Flow rate of the filling liquid

**Fix**: Set the filling weight

**Real**: The weight detected by the electronic scale in real time

**Working Status**: Display the working status in real time as “Running” or “Pause”

**Working Mode**: Display the working mode in real time as “Continuous” or “Inching”

**Parameter Set**: Ensure that the machine is in “Pause” state, press the "Parameter Set" button, a flashing cursor appears on the LCD screen, the flashing position is the currently adjustable parameter, including filling weight, flow rate, auto peel, ect.

**Zero Clearing**: Press once to reset the tare weight, while press and hold for 3 seconds to reset the counter

**Continuous/Inching**: ①**Continuous mode**: Press the "On/Off" button to switch to the running state. After the bottles are placed on the electronic scale, the machine will start filling, and it will stop



automatically when the set weight is reached. ②**Inching mode:** press the "On/Off" button to switch to the running state, you can press the pedal to fill, or press the "Continuous /Inching" button to fill

**On/Off:** “Running/Pause” and “Continuous/Inching” mode switching, press "On" enters the setting state, "Off" means exit.

< >: Move cursor to the left and right when setting the parameter.

- +: Press "-" or "+" to adjust the parameter data

**Auto peel:** "Yes" means no tare weight filling, "No" means tare weight filling.

**Flow rate:** 01-99, the larger the value, the faster the flow rate. The left is the channel A, and the right is the channel B, which are set separately

**Pedal:** "Independent" means two pedals control the corresponding pump separately, "Together" means control two pumps with one pedal switch at the same time

**Weight A/B:** "YES" will enable electronic scale A/B, and "NO" will disable electronic scale A/B.

There will be a certain error in the first filling, and the program will automatically adjust the error according to the last error value at the second start.

**Trigger value:** If the weight of the bottle is greater than the trigger value, when you put the bottle on it, the machine will start filling

**Calibration of electronic scale:** Keep pressing the >key, enter the weight calibration A, press the zero clearing, and use the 1000g is the reference weight, put it on electronic sale, press the parameter set key to save it, and then use same way to correct the B electronic scale.

## 10. Notice

- (1) The user shall select a suitable machine according to the product.
- (2) Please check its accuracy before use, otherwise the company will not be responsible for the loss.
- (3) The machine contains a precise electronic scale. It is forbidden to be used overweight products.
- (4) The height of the filling head is adjustable. Generally, it should be about 10 mm between the filling head and the bottle mouth.
- (5) When in use, please keep the machine level and stable to avoid vibrations or impacts, otherwise the machine would be damaged.



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- (6) The gear pump is lubricated with cooking oil for the new machines. Users may rest assured it is safe to use the machine.
  - (7) When the machine is first used or has not been used for a long time. It may not be able to suck the water because the pump is full of air. You need to add some water manually from the intake pipe to the pump to exhaust the air, and then start the machine.
  - (8) Regularly clean the inside of the pump and replace the hose if necessary.
  - (9) It is better to clean the machine after use, which can prolong the service life of the pump.
  - (10) When the machine is not in use, please empty the liquid and store it in a cool and dry place.