

# Honey Filling Machine HM-5X

## User Manual



### 1. Customer notice

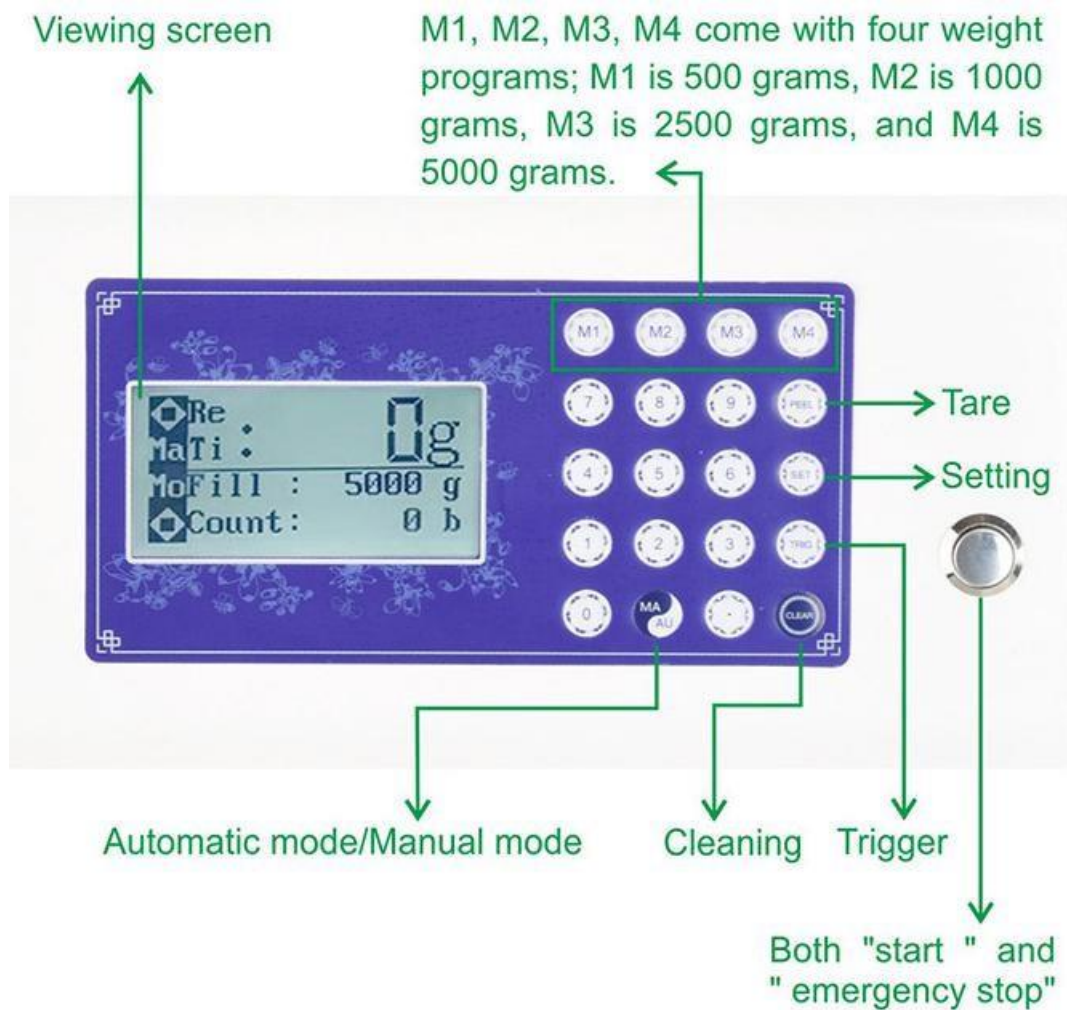
Dear customer, thank you for using the "HM-5X Honey Filling Machine". Please read this manual carefully before using it. Sorry that we can not be responsible for following failures like machine damage, can not be used, honey lost and so on which caused by ignoring the manual. Please correctly master the operation and daily maintenance of this filling machine to ensure effective, accurate and safe use. I believe it will bring convenience to you and your family and better serve you. Due to patent reasons, this product cannot be prevented without the authorization of our company. Once discovered, our company will pursue legal liabilities to related companies or individuals. Please keep the user manual in a safe place for future reference. If you encounter problems during operation, please contact our company. Thank you very much for your supporting.

### 2. Features of HM-5X filling machine

- 2.1 Adopt a new medical standard design: materials contacting with liquid meets food and medical standard;
- 2.2 The liquid transmission system adopts pure mechanical precision processing, which is durable and real materials.
- 2.3 Japanese DC motors, with low noise and high efficiency.
- 2.4 The surface of shell is spraying paint treatment, the same as automobile manufacturing industry.
- 2.5 Self-developed microcomputer control system can realize real-time upgrading for customers.
- 2.6 Suitable for filling all kinds of non-crystalline liquid honey below 43 Baume degrees and the ambient temperature is higher than 15°C.

- 2.7 Large filling weight range: suitable for various honey bottles (plastic, glass) from 100 to 5000 grams.
- 2.8. Suitable for various power sources: such as household electricity 220V, 110V, battery 12V, (110V needs to be customized).
- 2.9 The filling weight can be set at will: 100~5000 grams.
- 2.10. The machine comes with a permanent and daily counting function, you can check the filling times and total number of the equipment at any time. 2.11. Chinese and English display panels can be switched .
- 2.12. The equipment is portable (9KG) with 12V battery (self-provided), which can realize field operations. Example: 12V 20A battery can be used for 2 to 3 hours in summer and 1 hour in winter.
- 2.13. High filling efficiency: 360 bottles/hour for 500g bottles, 240 bottles/hour for 1000g bottles, the best accuracy is 1‰.

### 3. Control Panel Buttons Introduction



- 1.Weight shortcut keys:**M1** (500g)    **M2** (1000g)    **M3** (2500g)    **M4** (5000g).
- 2.Tare: Press "Tare" and the "real-time" weight reading of the filling machine will be zero.
- 3.Setting: After pressing the "setting" key, the number in the "filling" column of the display screen flashes. After inputting the number to be set, the cursor stops flashing, after pressing the "setting key", then the filling weight is set . The number on the filling bar is displayed as the set weight. ★**Note: Due to the different viscosity of honey, the system will not be able to accurately fill the set weight . It is recommended to do the "calibration" after filling several bottles. Firstly setting the weight less than than filling weight you required. For example: you require to fill 1000 grams, you can set 950 grams firstly, start filling. After the filling is completed, get another electronic scale to weigh the error, and then**

press the "set" Button to compensate the error value, which will make the weight of each next bottle more accurate. "Manual mode" and "Automatic mode" are the same as above!

4.Trigger: After pressing the "trigger" key, the number in the "trigger" column of the display screen will flash, enter the number 5~15 grams less than the empty bottle weight into the flashing cursor column, and the cursor will stop flashing when you press "trigger" At this time, the trigger value setting is completed.

★ Note: Due to the different sizes of honey bottles, if the trigger value is not set properly, the device will not start working! Setting range: for example: The empty bottle weight is 20 grams, the trigger value is set to 15 grams; the empty bottle weight is 50 grams, the trigger value is set to 40 grams;and the empty bottle weight is 240 grams. The trigger value is set to 225 grams. Do not set the trigger value to be too small or too large for the bottle weight, and the trigger value cannot be larger than the weight of the filled liquid.

#### 4.Cleaning

Press the "Cleaning" button, the direction is reversed and the honey in the pipeline is pumped back into the honey barrier.

★Note: After the anti-pumping of the honey is finished, please let the remaining honey in the tube flow clean in order to avoid waste. Then add a certain amount of clean water to the container (barrier, basin), put the liquid inlet into the container, and put the inlet into the container after removed from pump. After switching the "manual mode", press the start button to clean.

#### 5. Warning

5.1 Please do not pull the transparent acrylic tray when opening the package and taking the machine. The tray is connected to the weight sensor to avoid weight failure.

5.2. When choosing household power 220V, it must work under stable voltage. When choosing 12V power, first check the battery voltage 12V (current 20A or more than 20A).

5.3. Before preparing for filling , please check that the four corners of the machine must be on the same working surface (lay flat and stable) then the machine can work normally.

5.4. If there is liquid dripping on the transparent acrylic "tray" during the working process that need to be dealt with, please shutdown the power or in manual mode and then handle that.

5.5. During filling, prevent the suction pipe of the liquid inlet from sucking into the wall of the barrel or sundries to cause damage to the machine.

5.6. The equipment has been precisely adjusted and installed before leaving the factory. Do not remove any screws or parts if there is a problem.

5.7. When returning to the factory for maintenance, use the factory-specific packaging box for packaging, and place it in the correct position of the machine.



6.Automatic mode: Press the MA/AU button to switch to "automatic mode".

★Steps: After the machine has set the filling weight, just put the bottle on the tray, and the machine will sound a "drop" alarm. The system will tare the bottle automatically, the display will reset the weight at the same time. The machine will automatically start filling to the set weight value after "drip" alarm. The "real-time" weight is the net weight after filling completed. . After the bottle is taken from the tray, the machine will sound a "drop" alarm, and the real-time "weight" of the display will be cleared. Then put in the next empty bottle. Repeat the above operation.

★Note: After taking down the filled bottle, the machine will sound a "drop" alarm and then put on an empty bottle, otherwise the machine will not start.



7. Manual mode: Press the MA/AU button to switch to "manual mode".

★Note: "Manual mode" is mainly used when there is a certain amount of honey left in the bottle with unknown weight. For example: a bottle with 1000grams volume and bottle weight 26 grams. There is half bottle of honey of with unknown weight . At this time, click the "Set" button to set the weight to 1026 grams. Put this bottle on the tray and press start , then the machine will fill the bottle until to 1000 grams honey

8. Stainless steel key: both "start " and "emergency stop"



★Note: In "manual mode", it is the start key. When the machine is abnormal, it can be the emergency stop key.