

## I. Introduction

This machine is the most advanced and popular method to seal non-metallic bottles such as plastic and glass by induction heating. Induction heating sealing has no contact, fast sealing speed, good sealing performance of the product, and can prolong the shelf life and prevent counterfeiting. It has been widely used in medicine, chemical industry, food, beverage, grease, cosmetics and other industries and has become a necessary sealing equipment. Do not use this machine for inflammable and explosive products and places.

## II. Working Principle

This machine adopts the principle of electromagnetic induction heating. Through non-contact induction heating, the aluminum foil instantly heats up and melts the adhesive layer of the sealing film. After cooling, it is adhered and sealed with the bottle mouth to achieve the sealing purpose.

## III. Performance Characteristics

Integrated design, three-gear power, automatic memory, light weight and beautiful appearance.

Photoelectric working switch, unlimited number of times, no trouble with the service life of mechanical switch.

Special chip for induction heating has over-current, over-heat, under-voltage and over-voltage protection circuits.

## IV. Main Technical Parameters

- 4.1 Power supply: AC 220 V  $\pm$  20%, 50/60 Hz
- 4.2 Output Power: 600W ~ 1200W
- 4.3 Quiescent Current: < 0.1 A
- 4.4 Maximum Operating Current: < 6A
- 4.5 Sealing Speed: 10 ~ 30 bottles per minute
- 4.6 Seal Diameter (mm): 400A( $\Phi$ 20~ $\Phi$ 100); 400C( $\Phi$ 50~ $\Phi$ 160)
- 4.7 Outside Dimensions (mm): 400A (135  $\times$  135  $\times$  232); 400C (190  $\times$  190  $\times$  245)
- 4.8 Weight of the Whole Machine (Kg): 400A (0.75); 400B (0.9)
- 4.9 Production Standard: Q/WCH 03-2007

## V. Operation Instructions

5.1 When starting up, the machine displays the current gear position and sealing time (seconds).

5.2 Power regulation: cycle in gear 1, 2 and 3 according to the "P" power, and the maximum power in gear 1, 2 and 3 is 600W, 900W and 1200W respectively. It is suggested to use 3 gears to seal small diameter (400A is less than 40MM) with fast sealing speed. The sealing effect is good when the first gear is used to seal large caliber (400A is greater than 70MM).

5.3 Time adjustment: press the "▲" and "▼" keys to adjust the time, with the adjustment range of 0.1 ~ 4.9 seconds.

5.4 Trial sealing: Place the bottle with the sensing sealing film in the center of the sensing head and press the operation key. The countdown to the sealing time is counted down. When the timing stops and returns to the set value, the sealing is completed. There is a "didi" sound at the beginning and end. Check the sealing effect, such as local adhesion of the sealing, is that the sealing film does not cling to the bottle mouth; If the sealing film is wrinkled and blistered, and the bottle mouth dissolves, the sealing time is too long, please reduce the sealing time; If the seal is not firm, please increase the sealing time.

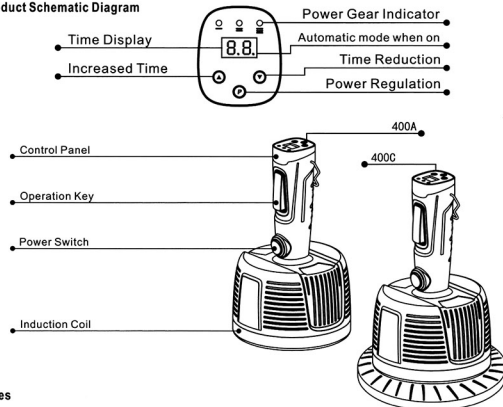
5.5 Batch sealing can be started after passing the trial sealing. The machine automatically saves the current power and time settings, and can seal directly after starting up again, but the sealing parameters should be readjusted when using different batches of bottles and sealing films.

5.6 Automatic sealing: if the sealing diameter is greater than 30mm, long press "P" to enter and exit the automatic mode

## VI. Fault Code

- C1: Undervoltage protection C2: Overvoltage protection  
C3: Overheat protection C4: Overcurrent protection  
C5: Main circuit fault (please repair by professional personnel)

## VII. Product Schematic Diagram



## VIII. Notes

8.1 This machine can only seal round bottle mouth, and cannot seal metal bottles and bottles with metal bottle caps.

8.2 The center of the sensing head should be the center of the sealed object to ensure the sealing quality.

8.3 The adhesive layer on the induction sealing film should be made of the same material as the sealed object, and glass (hot melt adhesive) film can also be used for sealing.

8.4 Non-professional personnel are not allowed to dismantle the machine without permission to prevent electric shock.

8.5 When the fault code is displayed, the secondary seal is invalid.