

LGYF-1500A- I 、 II TYPE
MAGNETIC INDUCTION SEALER

(Read this manual carefully before using)

Operation manual

1. Brief introduction

The technology of heating sealing the aluminum plastic multiplex material by electromagnetic induction is the advanced and popular sealing technology of the world. The electromagnetic induction sealing machine manufactured of this principle is becoming the necessary equipment of medicine, pesticide, axunge, byproduct, health-care, cosmetic, chemistry and other trade requires high quality air sealing for plastic, glass and other non-metal bottle. To improve the level of the product, the sealing and quality-protection function, anti-pirate and anti-forgery.

Our company using the advanced international heating technology and imported original key electronic parts, and improved on the basis of many years experiences of manufacture, the developing and manufacturing LGYF-1500 type series electromagnetic induction sealing machine, is having great breakthrough on stability of the performance and working efficiency, and is becoming the popular induction sealing machine in the domestic market.

2. Principle

The machine is comply with the principle of metal object can brings grand bow wave to heat under the action of the high frequency electromagnetic field, making the aluminum foil hot and melt the binding under the aluminum foil then agglutinate to the mouse of the bottle, thus to accomplish the constant quick non-contact sealing operation.

3. Characters

★All the heating components of this machine is using the blast cooling compulsive cooling technique, greatly reduced the manufacture cost and the size of the machine; improve the stability of the equipment and reduce the using cost and repair cost; improve the working efficiency and reducing the price of the equipment, fulfill the design requirement of high quality and low price.

★The transporting belt of this machine will automatically stop the transportation function when failure occurs during operation, to avoid the product haven't heating sealing to mix with the product heating sealed, influence the fame of the product.

★The machine has visible input power supply voltage meter and electric current meter, in order to make timely adjust when the voltage and current can not reach the requirement, and to ensure the quality of the sealing.

★The transporting device of the machine has the function of the electric stepless speed regulating, can make speed adjust according to the change of the voltage and current, to accomplish the best sealing quality and speed ratio.

★The induction head of this machine can move up and down for 2 stages, is applicable to the sealing operation of the object with height range of 20~200mm.

★The machine also has the protect function and visible instruction function when the working current is too high and the temperature of the main components are too high, to prolong the usage period of the equipment.

4. Main technical parameters

4.1 Input power: AC220V±10%, 50/60Hz

4.2 Input current: <10A

4.3 Output power: static state <2A, dynamic state <7A

4.4 Working frequency: 75-85KHz

4.5 Output power: ≤1500W

4.6 Enclosure protection grade: IP21

4.7 Sealing diameter: Φ20mm~Φ50mm

4.8 Height of the bottle: 40~200mm

4.9 Sealing speed: 0-10m/s (electric stepless speed regulating)

(Note: the speed differs according to the size and material of the sealing object. Using the polythene bottle Φ31mm,height Φ38mm as the proof is 250p/s)

4.10 Bearing load of the transportation station: ≤20Kg

4.11 Size: 115cm×48cm×40cm

4.12 Weight of the whole machine: 38Kg

5. The installation of the equipment and caution:

5.1 Put the machine on the floor stably, connect the grounding cable (**Do not directly use three-inlet receptacle to connect the ground,other safe and reliable grounding wire should be connected, to ensure the safety of electricity usage**).Then connect the power supply.

5.2 The section of the power supply cable and the grounding cable should not small than 1.5mm², alternating automatic regulator should be installed when the voltage of the power supply is not stable (the input voltage is higher than 240v or less than 200v) to ensure the quality of the sealing and avoid damage of the

equipment.

5.3 The equipment should be used in the dry, clean, dustless, non-corrosive air and ventilated environment, and keep away from all kinds of heat sources.

Specially noted: long time used in the humid and serious corrosive environment will shorten the using period of the machine.

5.4 The machine is only applicable to the sealing operation of plastic, glass and paper vessel, **not applicable to metal and other electric vessel.**

5.5 The material of induction film should be the same with the material of the vessel sealed. The aluminum foil of induction film should choose rolling aluminum foil complex film with thickness of 0.015~0.05mm, should not choose the aluminum foil of vacuum plating technique. Otherwise the sealing intensity is not enough and the sealing is not firm.

6. Operation steps

6.1 Get through 220v power supply; turn on the switch, the power supply meter will display the current voltage, start the cooling device, 3 seconds later, the main circuit begins to work, push the induction switch to start sealing debugging operation.

Caution: continuously and quickly turn on and turn off the power switch is forbidden!! You have to wait at least 5 seconds after turning off the power (the index on current meter disappears) to restart it; otherwise the main circuit of the equipment will be ruined.

6.2 Adjust the clearance (2~5mm) between induction bottom and the upper level of the object sealed and the width to guiding guard bar (the center of the object sealed should focus on the center of the induction, otherwise part of the sealing is not firm), to let it pass.

6.3 According to the caliber of the object sealed, adjust the initial appropriate speed for sealing transportation. For example, the caliber is small, the spacing is small and the speed is slow, contrarily, the caliber is big, the spacing should be widened and the speed should be quickened.

6.4 Close the induction switch, put the aluminum foil induction film (the aluminum foil face to the mouth of the bottle, and the paper gasket face to the cover of the bottle) and the object with bottle screwed down on the transportation belt for trial sealing. Adjust the spacing and the transporting speed according to the requirements of 6.2 and 6.3. When the bottle is transported our form the other side of the transportation belt, open the cover of the bottle and

check the quality of the sealing, continuous operation can be carried out after the quality reach the requirement.

6.5 In order to keep the sealing in best working state, find out the best technology parameter and record it by sealing technology tests. To avoid the incautious change in normal manufacture should always check the surface of the sealed cover bottle by hand to see if there is heat after debugging. If there is no heat, should immediately stop the machine and examine it, find out the reason, to avoid the products haven't been induction heating sealed mix with the qualified products.

6.6 When the working current exceeds 5A, the passing current protection function of the machine will start and the transportation stop automatically. You should increase the spacing between induction head and the object sealed to reduce the working current, and then push the replacement switch before restart the induction switch. After readjust it can go on the sealing operation.

6.7 When the temperature of the main circuit of the equipment is too high, the overheat protection function will start and the equipment stop, after the temperature become normal, the equipment will start working again.

7. Maintenance

7.1 The machine is a mechatronics equipment, to avoid the early aging, damage of the equipment; the working environment should be dry and clean. And keep the machine away from high humid, high corrosive and high dusty environment.

7.2 The meter switch of the operation control panel should not enter water and other liquid to avoid damage and creepage. Do not be too hard when operation to prolong the using period.

7.3 Lubricant should be added in driving part frequently; there should be no stops and serious friction.

7.4 There is high voltage electricity in induction head and cabinet, the people haven't trained should not open the induction head and the cover of the cabinet to avoid the accident of shock of the electricity.

8. uarantee period

8.1 The guarantee period of this machine is one year. Within the guarantee period, the quality problem happens in despite of following the requirements of this manual, our company will be responsible for free repair and replacement of

the component and part until replace the new machine.

8.2 Ask our company and local distributor to open the guarantee card when purchasing the equipment.

9. Not belong to guarantee:

9.1 Has no guarantee certificate.

9.2 Remove the machine and repair privately.

9.3 Equipment failure, component or electron element damage for the operation opposite to this use manual.

9.4 Damaged for high or low electric power.

9.5 Exceed the guarantee period.

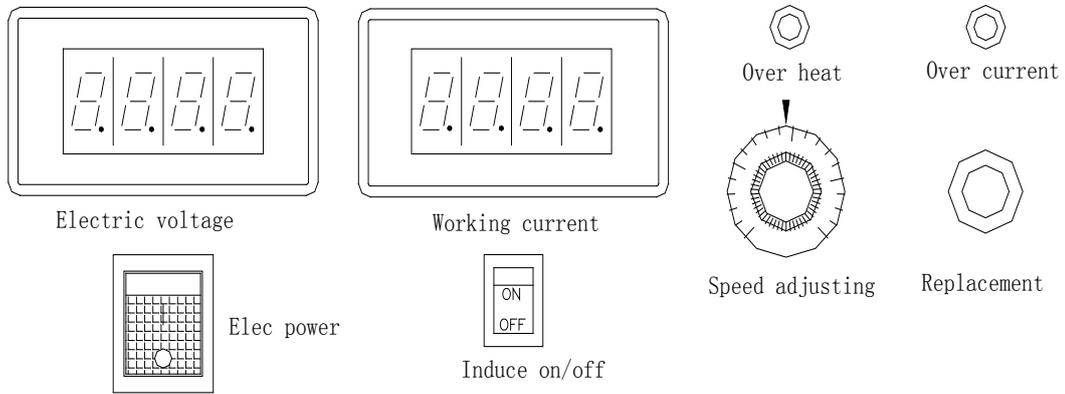
9.6 Damaged for human reason.

Our company will provide charge service for the above condition.

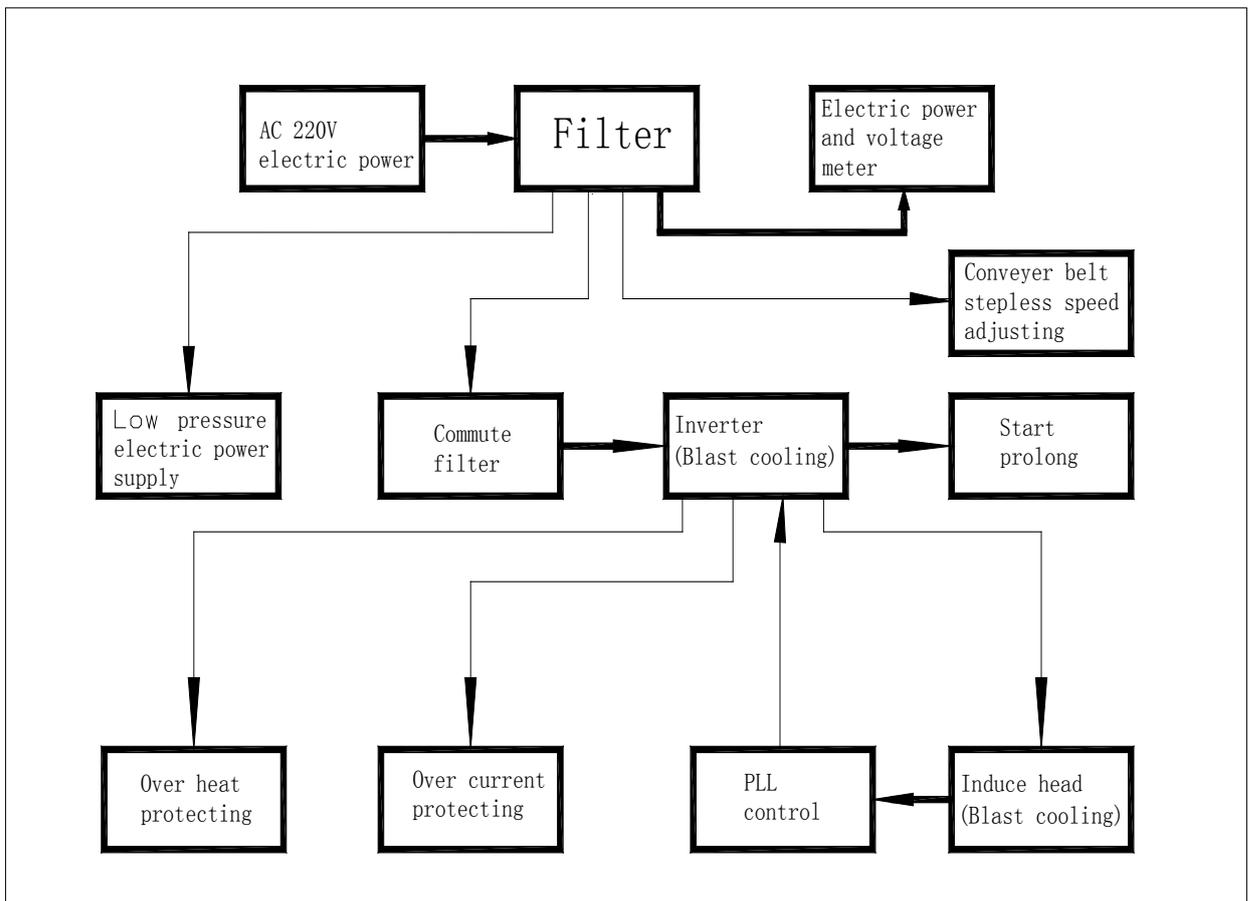
10. Packing list:

NO.	Name	Specification	Quality
1	Main frame	LGYF-1500A- I 、 II	1
2	Power wire		1
3	Fuse	10A	3
4	Socket screw wrench	4 " 、 6 " 、 8 "	1
5	Log screw	4 " (+)	1
6	Trail bottle	Φ40	20
7	Operating manual		1
8	Factory Eligible certificate		1
9	Guarantee card (3 Unite)		1
Remark: The above component is attached with machine, if need other accessories, please note in the booking contract.			
Packing lister:		Year	Month Date

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Attached diagram one、the diagram for panel



Attached diagram two、electric principle diagram