

# LS2182A



Zhejiang LENS Intelligent Technology Co., Ltd.

V1.0

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# COMPANY PROFILE

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## LENSH IS OPEN

Zhejiang LENSH Intelligent Technology Co., Ltd. is located in Ningbo, Zhejiang province, mainly engaged in the research and development of automatic sewing equipment, production, based on the forefront of intelligent sewing technology, is committed to becoming a benchmark enterprise of intelligent sewing equipment research and application.

The company is currently in the production of equipment LS5011 intelligent rope head knot machine, LS6021 rope threading machine, LS7031 intelligent access control machine, LS7041 sewing pressure two in one, LS7051 intelligent thread machine, LS8121 washing machine, LS2181 intelligent dispensing machine, etc., the company's product design covers the "integration of two" concept. The company has a strong management and technical research and development team, adhering to the "innovation, high efficiency, saving people, intelligent" business philosophy to step forward.

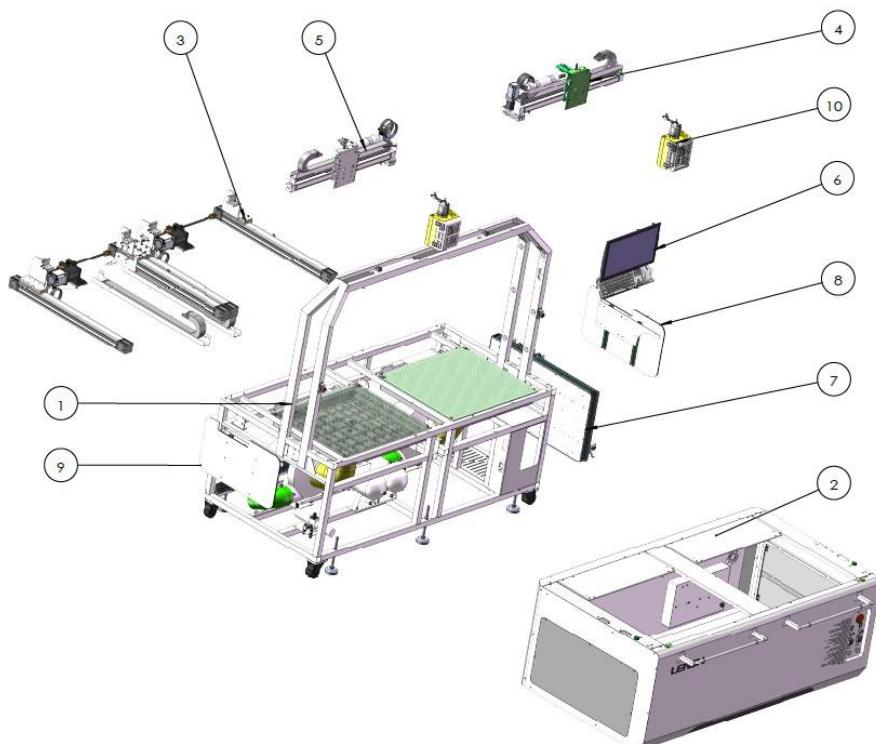
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## 1. Specification

1	Model	LS2182A
2	Size	2350*1070*1850
3	Weight	470KG
4	Nominal voltage	220V/50-60HZ
5	Power	4KW
6	Temperature	0°C~40°C
7	Humidness	25 % ~65 %
8	Noise	<72dB % %
9	Pressure	0.5-0.6Mpa

## 2. Assembly drawing



序号	物料编码	物料名称	数量
10	02.069.0010	喷胶组件	2
9	02.069.0009	左托板组件	1
8	02.069.0008	右托板组件	1
7	02.069.0007	电控组件	1
6	02.069.0006	触控组件	1
5	02.069.0005	右工位X轴组件	1
4	02.069.0004	左工位X轴组件	1
3	02.069.0003	Y轴运动组件	1
2	02.069.0002	外观组件	1
1	02.069.0001	机架组件	1

### 3. Operation instruction

#### (1) Startup precautions

Startup	
1	Before starting the machine, please check that there is no foreign matter around the machine, on the table, and in the electric control box to ensure that other irrelevant things have no impact on the opening and operation of the equipment
2	Before starting, ensure that the air supply is smooth and the air pressure of the air supply equipment is stable.
3	Before starting up, ensure that the power supply voltage meets the requirements of the product
4	Check whether the ultrasonic wave is normal before starting
Precautions for interface operations	
1	Personnel who have not been trained in the operation of the product are not allowed to operate the touch screen at will.
2	If you find that the touch screen keys are not working, there are light points or other abnormal conditions, please contact the company in time to solve the after-sales.
Debugging precautions	
1	Personnel who have not been trained in the operation of the product are not allowed to debug at will.
2	During the debugging process, please handle gently and pay attention to the damage of mechanical parts.
3	When commissioning the product, you are advised to operate it alone to avoid personal accidents caused by misoperation.
4	When debugging this product, be sure to follow the debugging instructions.

#### (2) Startup procedure

##### 1. Determine the fabric style

Determine the fabric style. Lay the fabric on the glass as shown in the picture below



## 2. Air on

Note: Before opening the air source, please check that the gas pipe is connected properly, and then slowly open the knob. If leakage is found, turn off the air source immediately and notify the maintenance personnel.



Press the compressed air switch [2] from left to right to turn on the air source, and then turn the black knob on the upper end of the pressure reducing valve [1] clockwise to adjust the air pressure to 0.4MPa.

## 3. Power-on

First of all, insert the main power plug into the socket, and then tap the red switch (such as the left picture ①) to turn on the power.

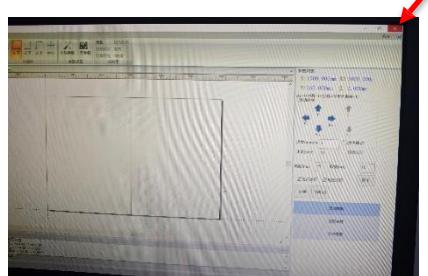


图①

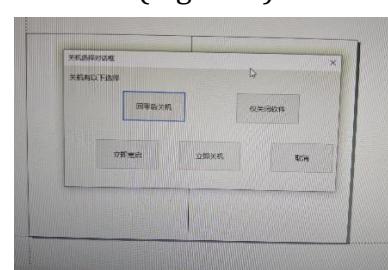
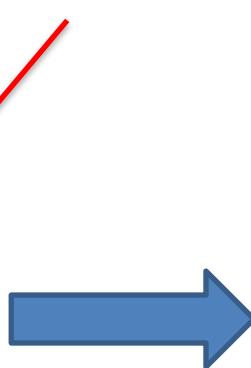
shutdown reboot init halt:

一、 When the machine stops, tap the red switch (as shown in Figure 1 on the left

二、 Second, use the mouse to move to the working interface (Figure 2), then click to select shutdown (Figure 3)



图②

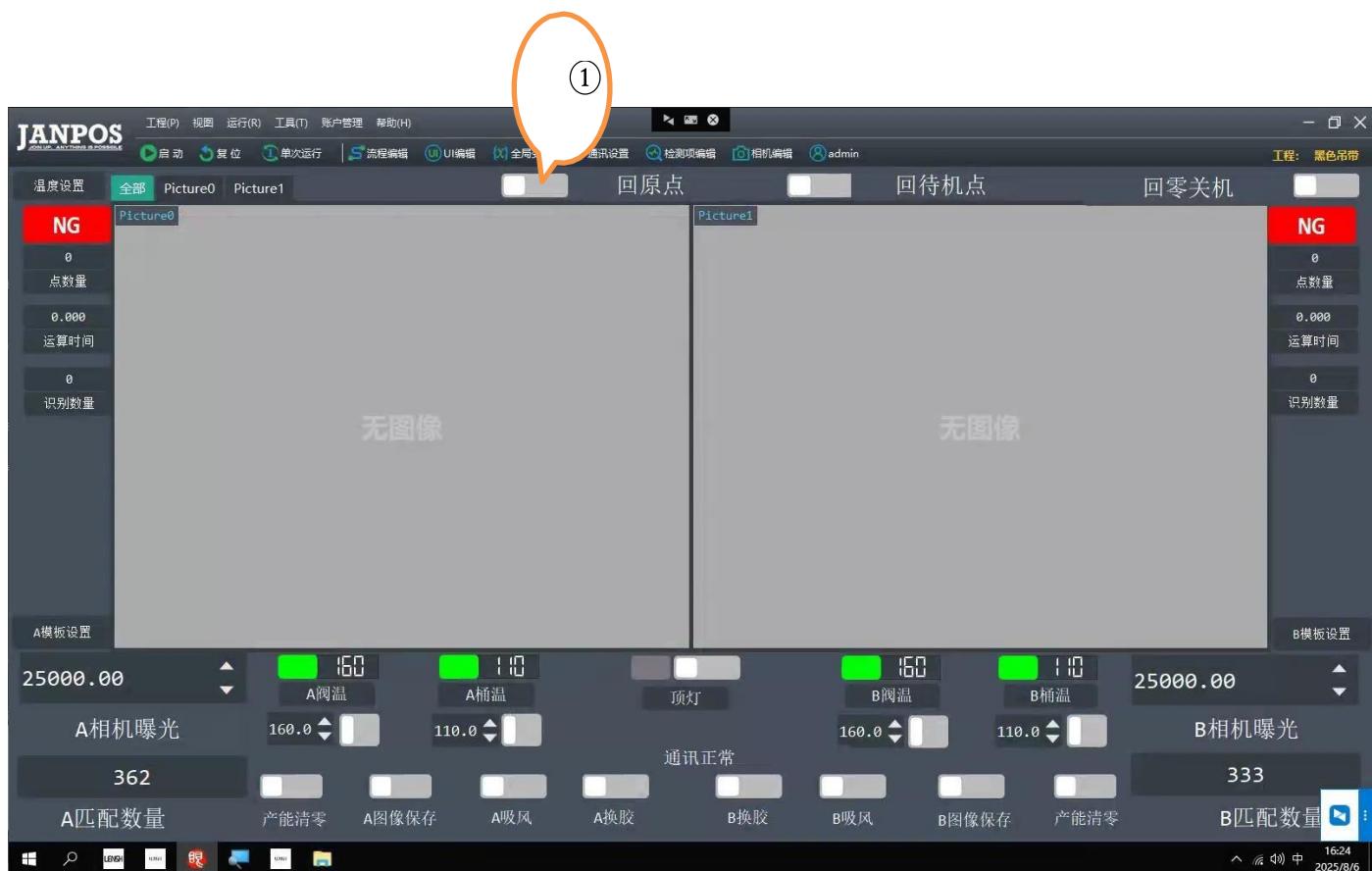


图③

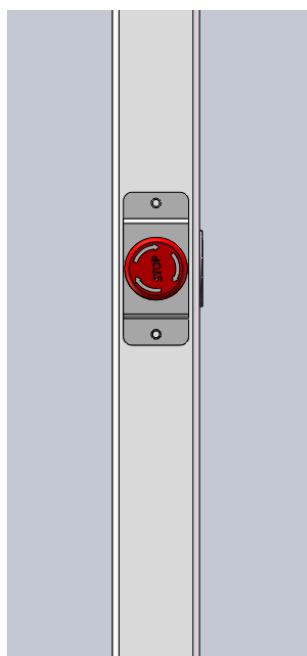
## 4. Touch screen operation

### (1) Software Settings

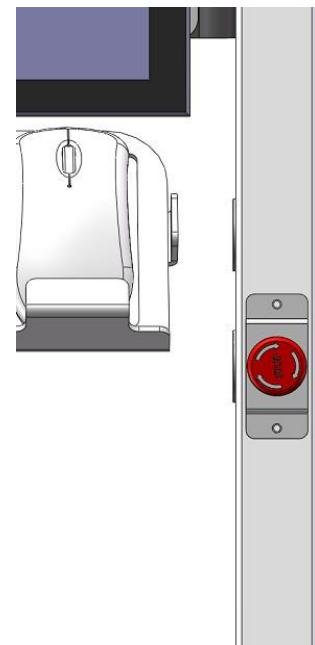
Step 1: After starting up, wait for the screen interface to pop up, click back to the origin (①), and then press the start button of station A and B on the table (②), the camera will automatically take a photo to identify the corresponding fabric, and the program will automatically control the ultrasonic point



**(2) scram button**

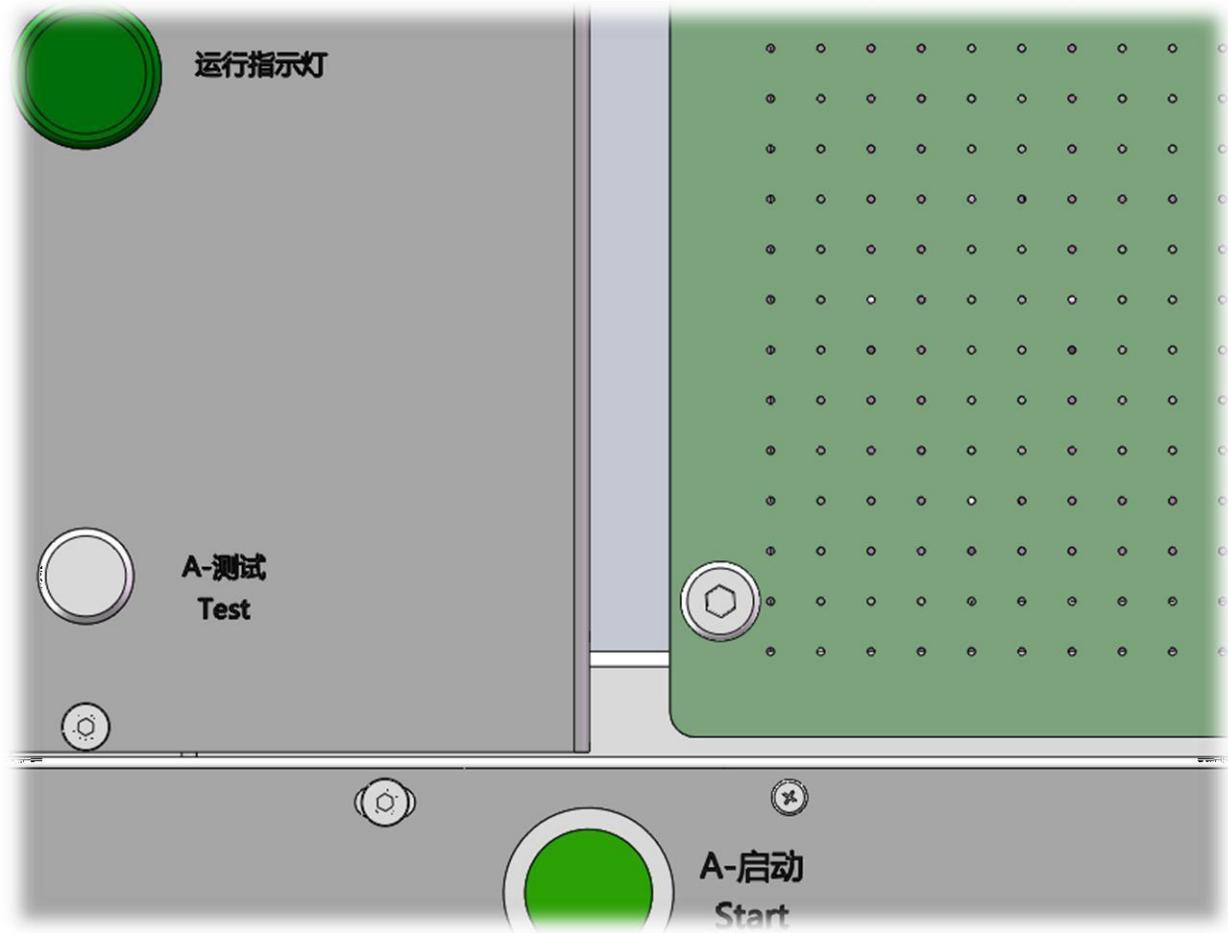


Right emergency stop button



Left (computer side)  
emergency stop button

## (3) Spray valve test interface



During the debugging process, the dispensing parameters can be observed through

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**(4) DCABE****(1) Test dispensing**

Click the manual test button to check if the dispensing is normal. It is considered OK if the dispensing spacing is uniform and firm, with no phenomena such as glue detachment or glue connection (as shown in the above figure)

(2) Lay the cutting pieces



Lay the cut piece flat on the glass plate, do not appear wrinkles and other uneven phenomenon, press the start button, the computer appears OK, the machine will process; If NG occurs, you need to rearrange the cut until OK.

(3) Equipment dispensing



Note: Observe whether the glued cut pieces are uniform and firm. Phenomena such as glue deviation and missing glue are not allowed. If such phenomena occur, the pieces shall be regarded as waste products, and relevant parameters need to be adjusted in time.

## (4) Receive materials



Material receiving pallet

Feeding rod

1. Stack the glued cut pieces neatly on the material receiving pallet.
2. The unglued cut pieces can be hung on the material feeding rod.

## 5. Matters needing attention

- (1)  Do not open the maintenance cover plate of the machine in normal operation, so as to avoid causing personal accidents;
- (2) Non-trained personnel shall not operate the equipment
- (3)  To prevent damage to the electrical components of the machine, please stop working and unplug the power head to ensure safety;
- (4) Do not press the hand control button during operation to avoid scratching the palm if the wire expands too fast;
- (5) When put down the maintenance cover, please pay attention to support with the hand, so as not to hurt the fingers or destroy the paint;
- (6) Please read this manual carefully before the specific operation
- (7)  In order to prevent leakage accident, please be sure to ground ground;

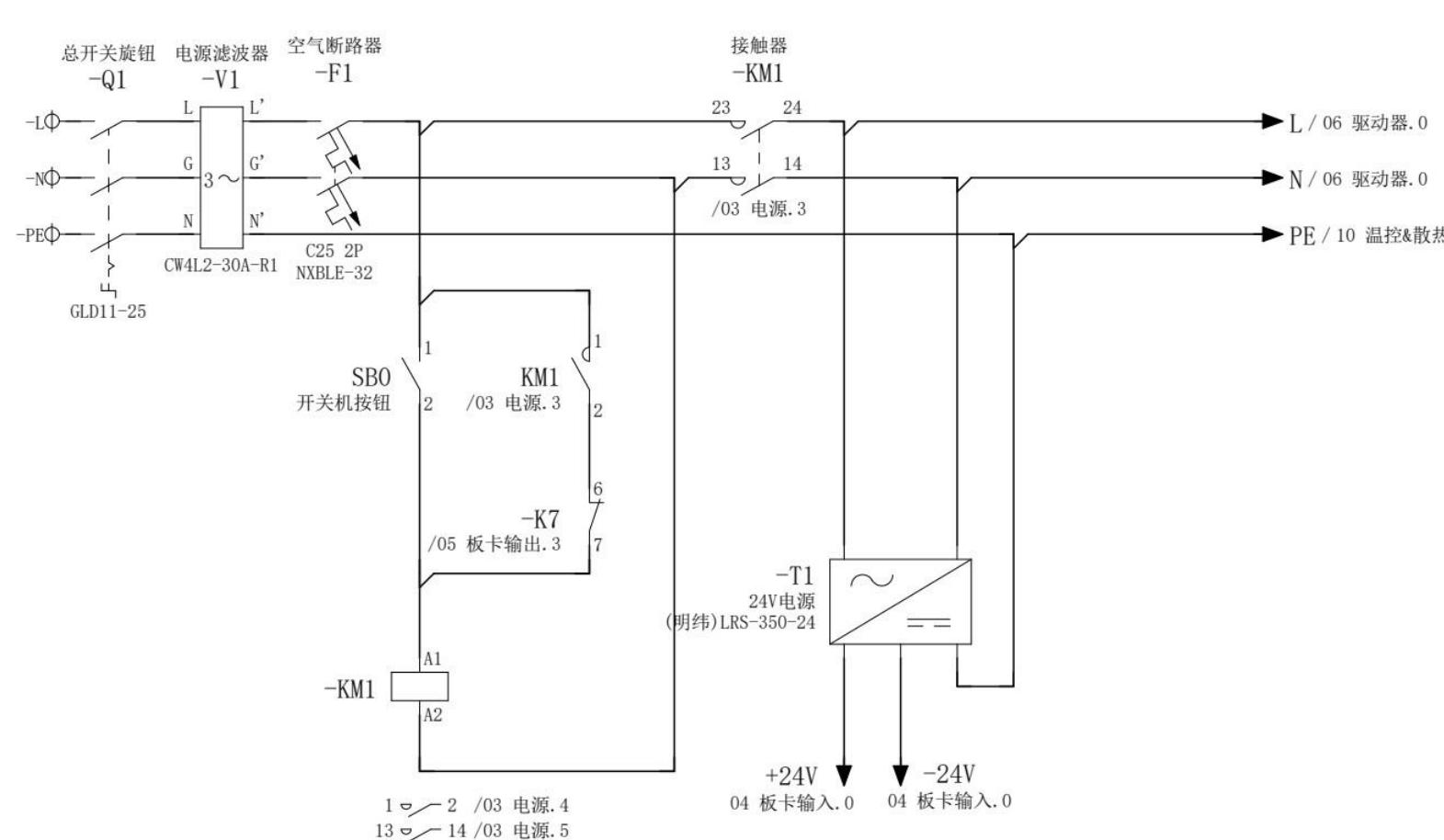


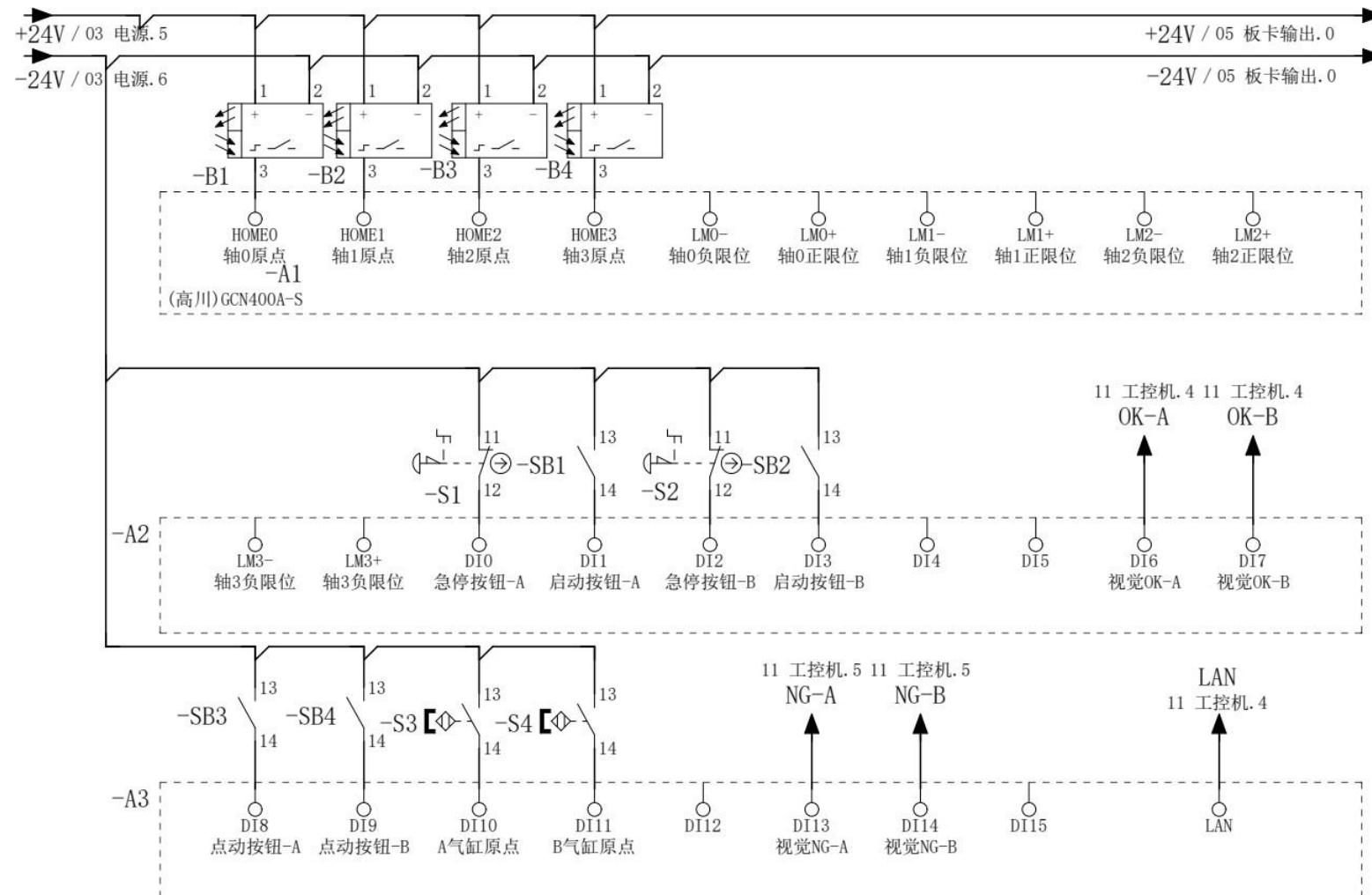
- (8) To prevent electric shock accident, do not open the electric control box for any operation;
- (9) In order to prevent personal accidents caused by mechanical operation, the equipment will be automatically stopped when the maintenance cover plate is opened
- (10) Please refuel the gas-liquid separator [1] regularly, usually the refueling period is 3 months. The operation of opening the air-liquid separator is to rotate the oil tank clockwise down while holding the

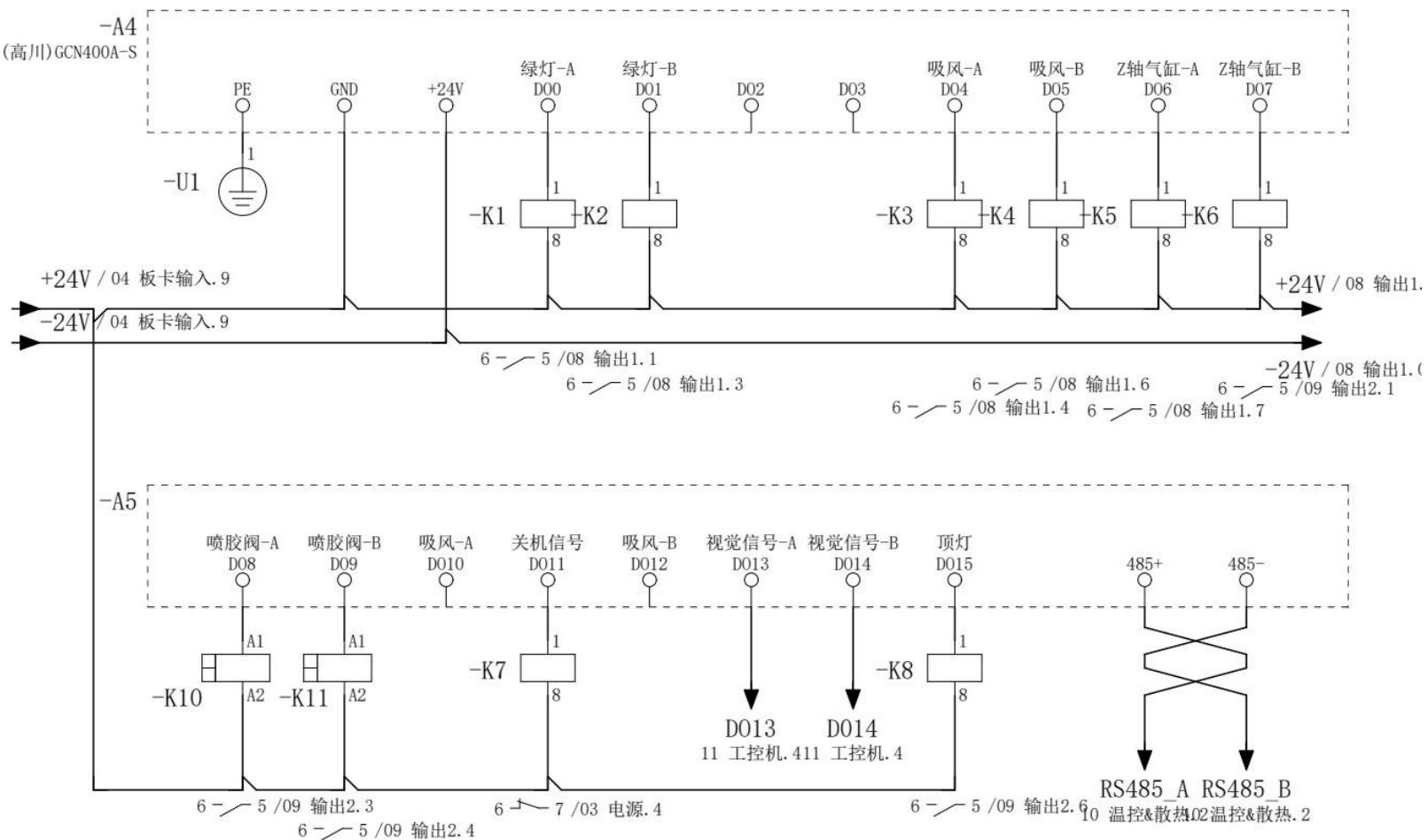


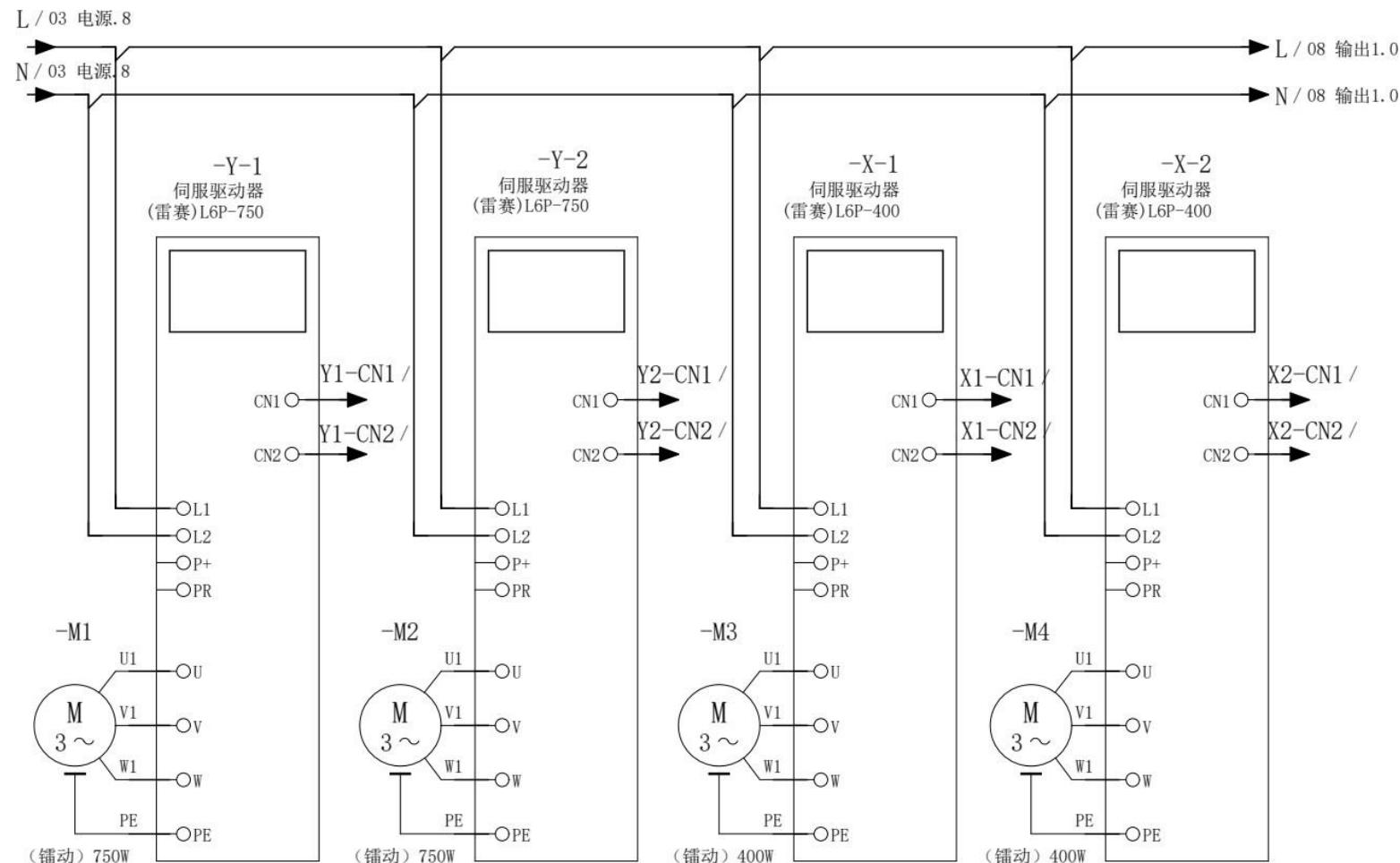
Note: the oil must use cylinder special oil, can not use sewing machine oil.

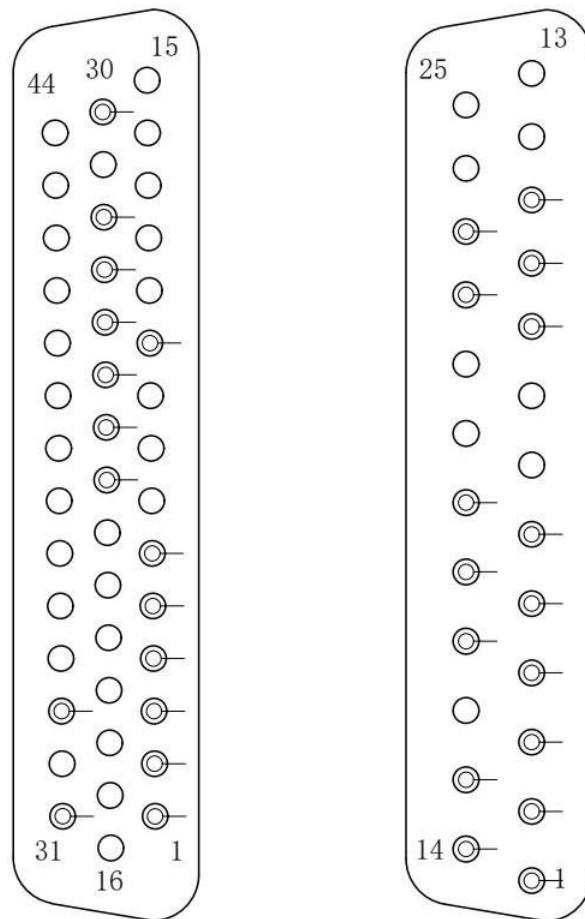
## 6. Circuit diagram



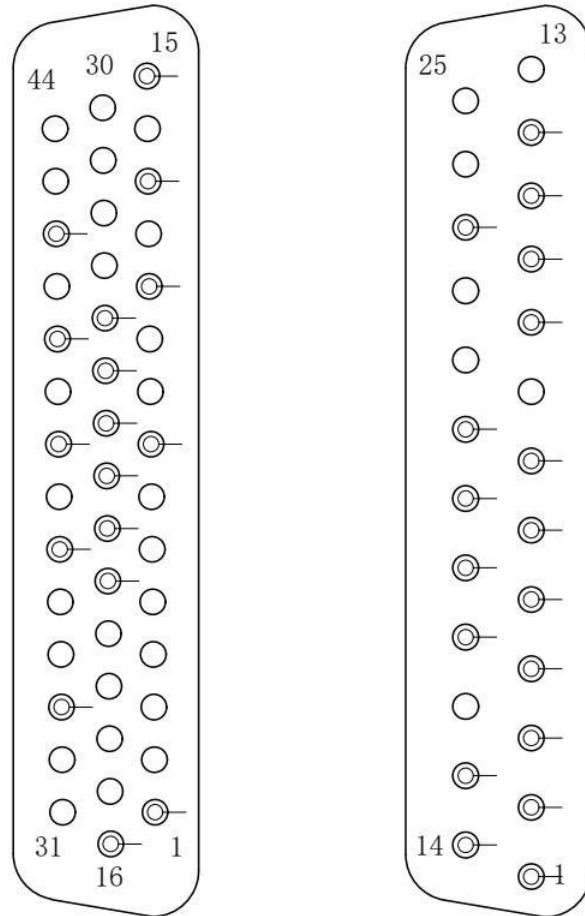




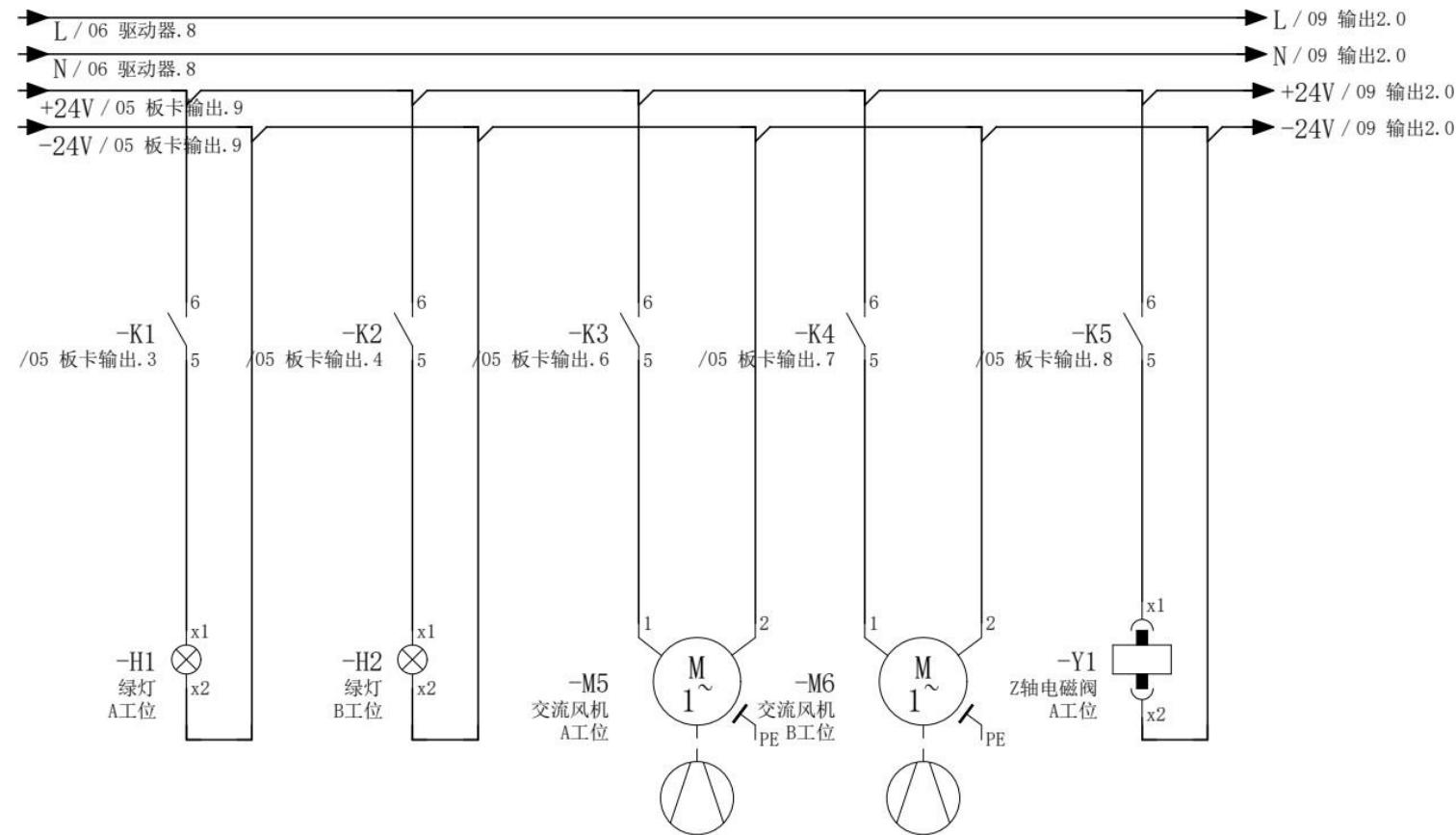


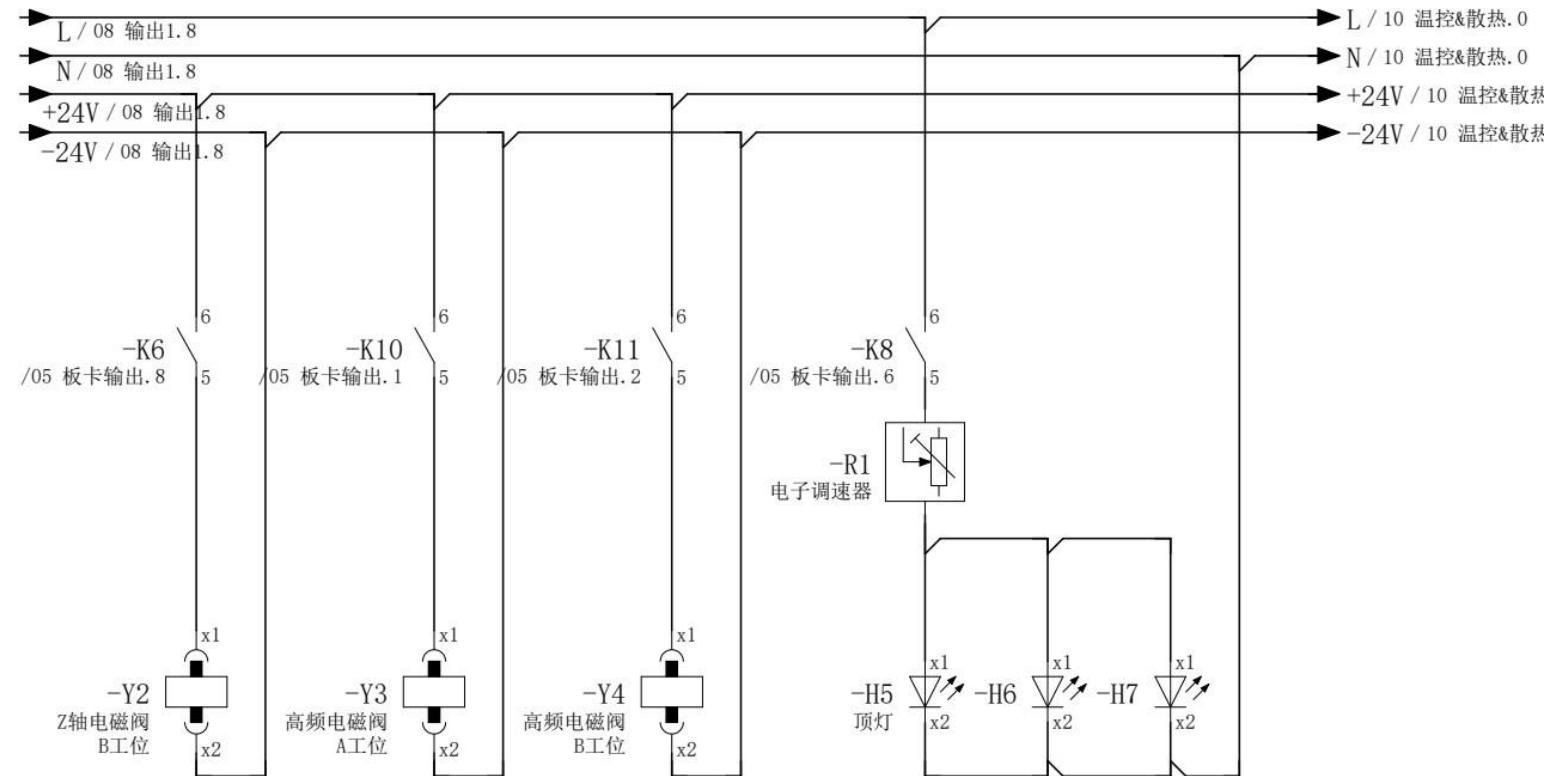


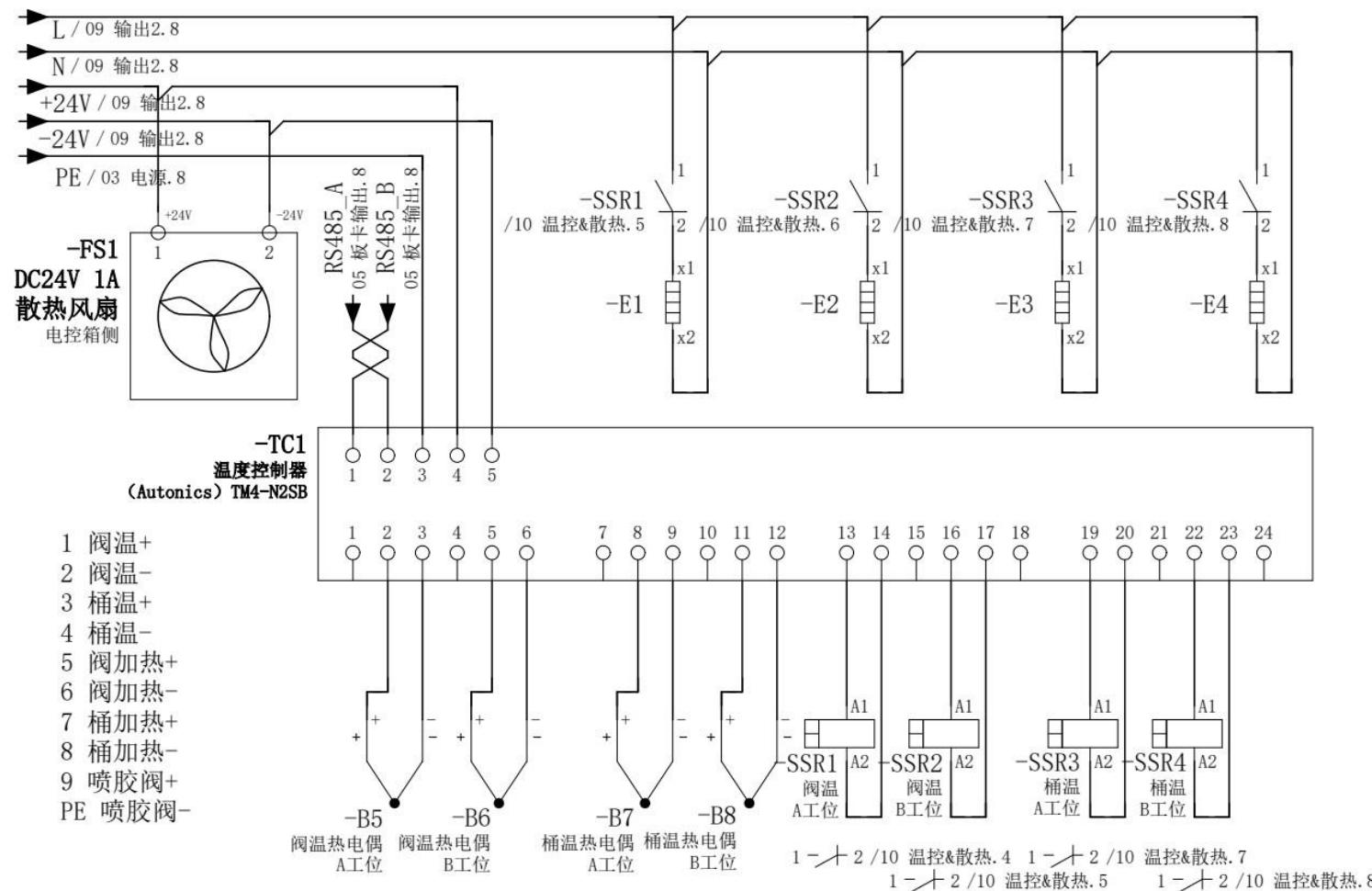
雷赛L7系列接线定义			
驱动器线号	名称	板卡线号	定义
1	COM+	14	公共端
2	DI1	3	使能
3	PUL+	23	5V脉冲+
4	PUL-	11	5V脉冲-
5	DIR+	9	5V方向+
6	DIR-	22	5V方向-
7	DI2		输入2
8	DI3		输入3
9	DI4		输入4
10	DI5	15	报警清除
11	DI6		输入6
12	DI7		输入7
13	DI8		输入8
14	DI9		输入9
15	NC		
16	PUL+24		24V脉冲+
17	DIR+24		24V脉冲-
18	DO5+		输出5+
19	DO5-		输出5-
20	DO6-		输出6-
21	DO6+		输出6+
22	NC		
23	A+	4	编码器A相+
24	A-	17	编码器A相-
25	B+	5	编码器B相+
26	B-	18	编码器B相-
27	Z+	6	编码器Z相+
28	Z-	19	编码器Z相-
29	OCZ		编码器地
30	GND	10	编码器分频地
31	COM-	1	公共端
32	DO1		输出1
33	DO2	2	输出2
34	DO3		输出3

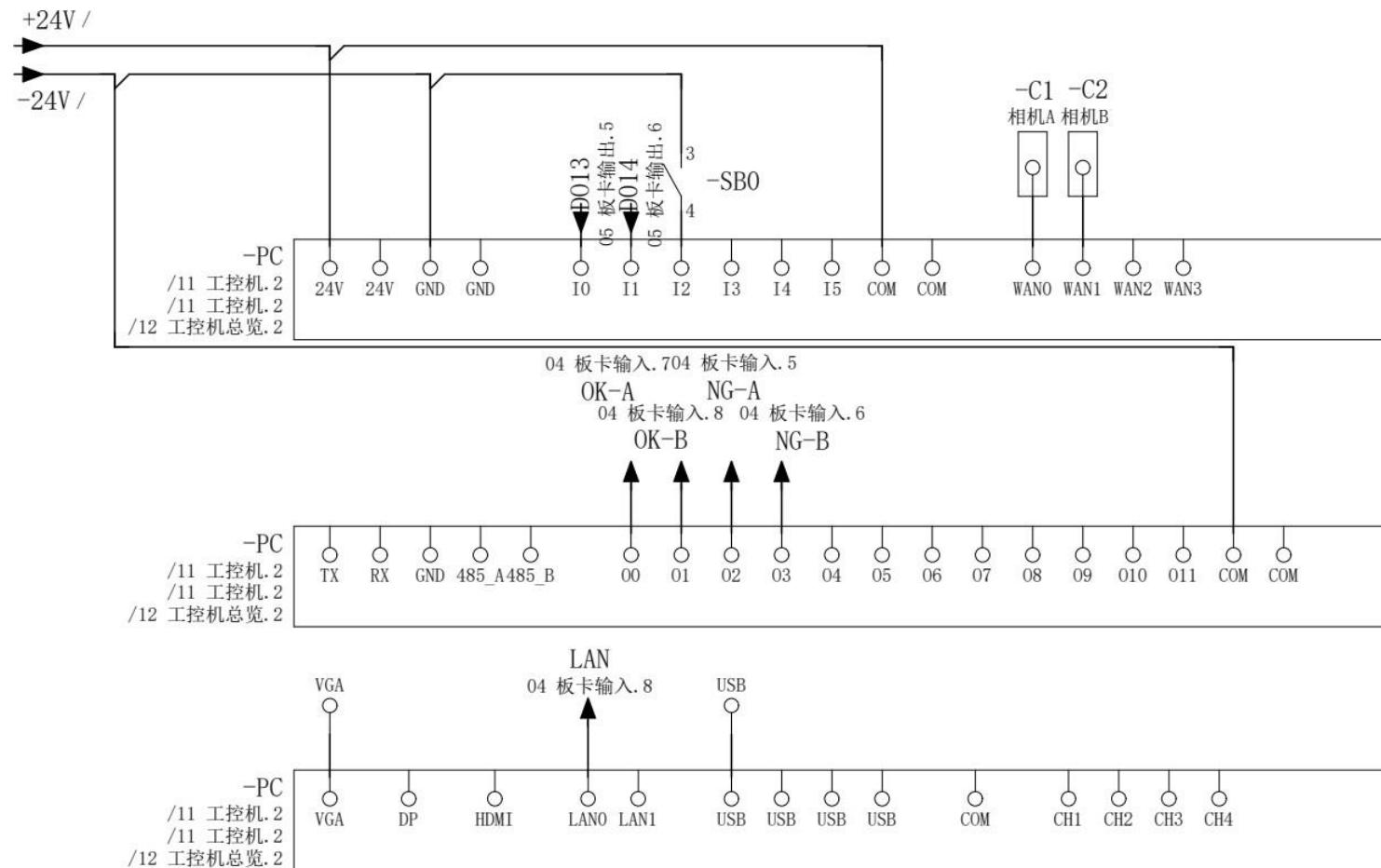


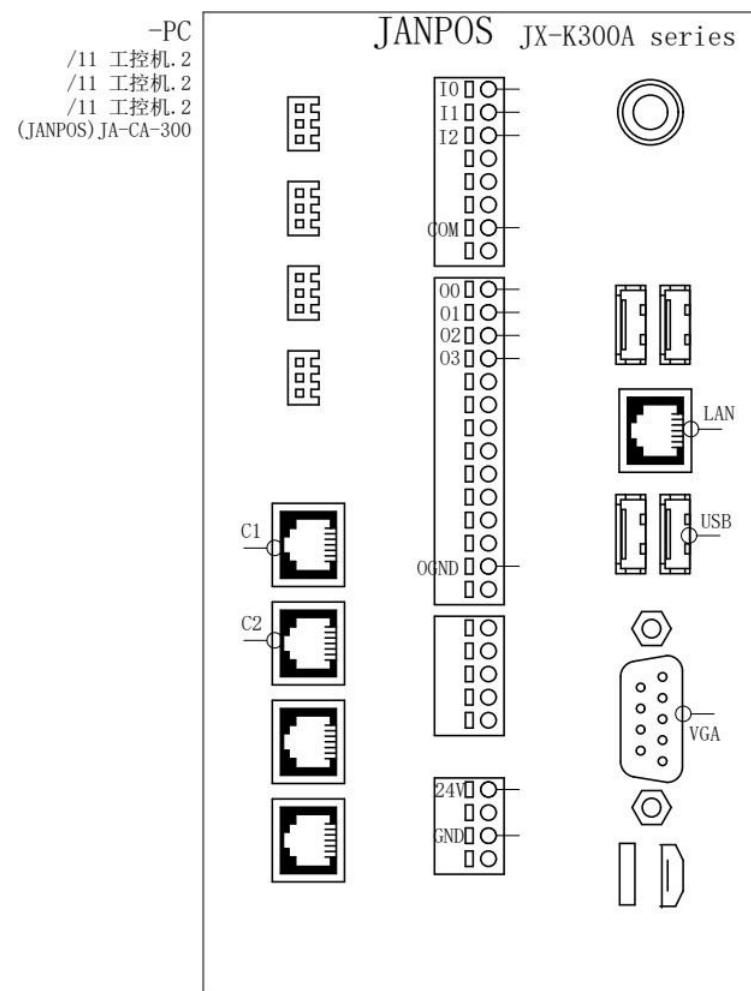
雷赛L6P系列接线定义 驱动器线号名称	是否需要	板卡线号	定义	备注
1 DO4+	√	2 ALARM+		
2 DO3-		BRK-OFF-		
3 DO3+		BRK-OFF+		
4 DO2-		INP1-		
5 DO2+		INP1+		
6 DO1-		SRDY-		
7 DO1+		SRDY+		
8 DI4-	√	15 A- CLR		
9 D11		POT		
10 DI2		NOT		
11 COM+	√	14 DI公共端		
12 DI7				
13 Z+	√	6 编码器Z相		
14 COM-		内部24V电源		
15 +5V	√	7 5V电源负极		
16 GND	√	20 5V电源正极		
17 +24V		内部24V电源		
18				
19				
20				
21 A+	√	4 编码器A相		
22 A-	√	17 编码器A相		
23 B+	√	18 编码器B相		
24 Z-	√	19 编码器Z相		
25 B+	√	5 编码器B相		
26 DO4-	√	1 ALARM-		
27 DO5-		HOME-OK-		
28 DO5+		HOME-OK+		
29 GND		10 Z相信号地		
30 DI8		HOME-Switch		
31				
32 DI6				
33 DI5	√	3 SRV-ON		
34 DI3		INH		
35 PULLHI		24V输入公共端		
36 HPULSE-	√	9 高速脉冲输入		
37 SIGN+		低速方向输入		
38 HPULSE+	√	12 高速脉冲输入		
39 SIGN-		低速方向输入		
40 HSIGN-	√	23 高速方向输入		
41 PULSE+		低速脉冲输入		
42 HSIGN+	√	11 高速方向输入		
43 PULSE-		低速脉冲输入		



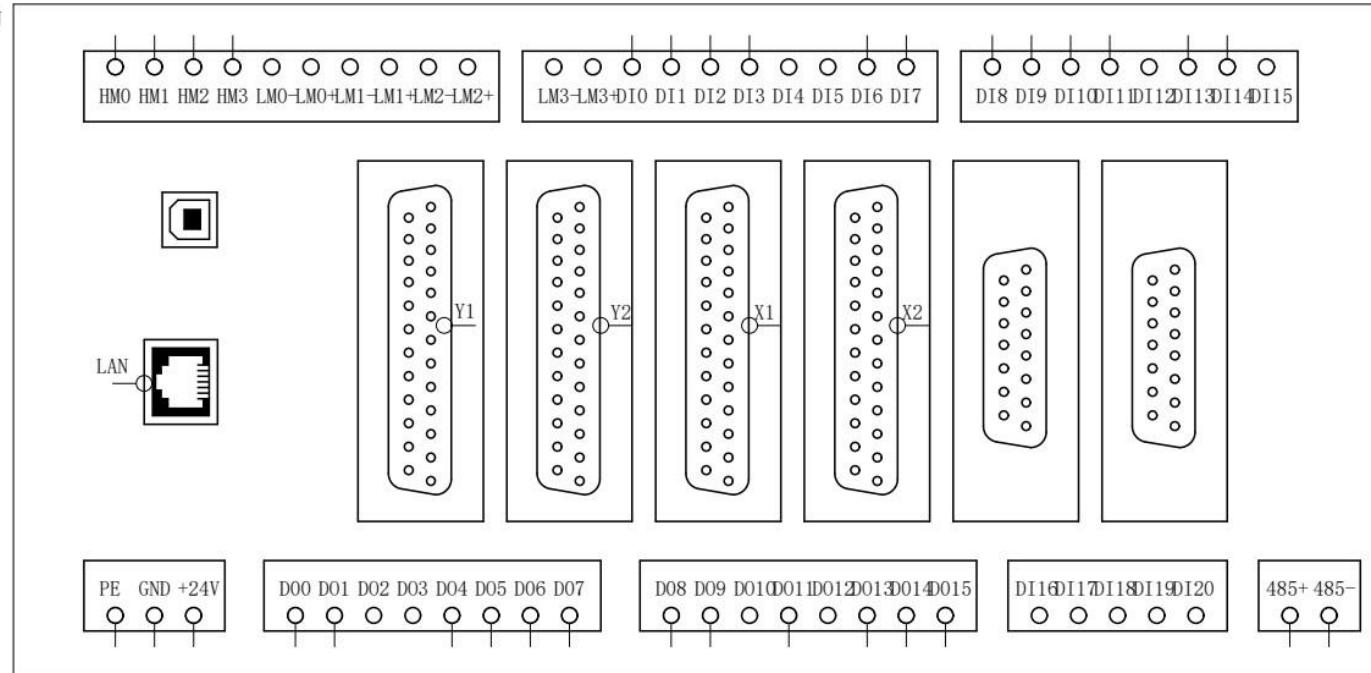








(高川)GCN400A-N



## **Zhejiang LENSH Intelligent Technology Co., Ltd.**

Address: Building 11, No.500, Xingwen Road,  
Haishu District, Ningbo City, Zhejiang Province

Postcode: 315000

Tel.: 0574-87423969

Fax: 0574-83885703