

门襟锁眼机

Button Holing Indexer

(MB6003A)

使用说明书

Instruction Manual

常州智谷机电科技有限公司

CHANGZHOU WISDOM & VALLEY ELECTRICAL TECHNOLOGY CO., LTD

在使用本设备之前请先阅读本使用说明书

Please read the operation manual of the touch screen interface before using the device

请将本使用说明书放在便于查阅的地方保管

Please keep this operation manual of touch screen interface in convenient place for reference

版本信息/Version

2020.03

感谢购买 IMB 工业用缝纫机。

在使用此机器之前，请仔细阅读以下的说明，这样可以更好地帮到您了解此机器的相关操作。

这些说明是根据现行的条例明确阐述了正确的工作方法。

Thank you for purchasing this industrial sewing machine from IMB

Before using this automatic unit, please read the following instructions, which will help you to

understand how the machine operates.

These instructions illustrate the correct working methods to comply with current regulations.

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The contents of this manual may be subject to change without advance notification.

我们将欣然接受各位提出的改进此说明书的任何建议和指示

We are happy to receive suggestions and/or indications on ways we could improve this manual.

本机介绍说明分为三部分，具体请参照《MB6003A-使用说明书》、《MB6003A-零件手册》、《MB6003A-触摸屏界面操作说明》。

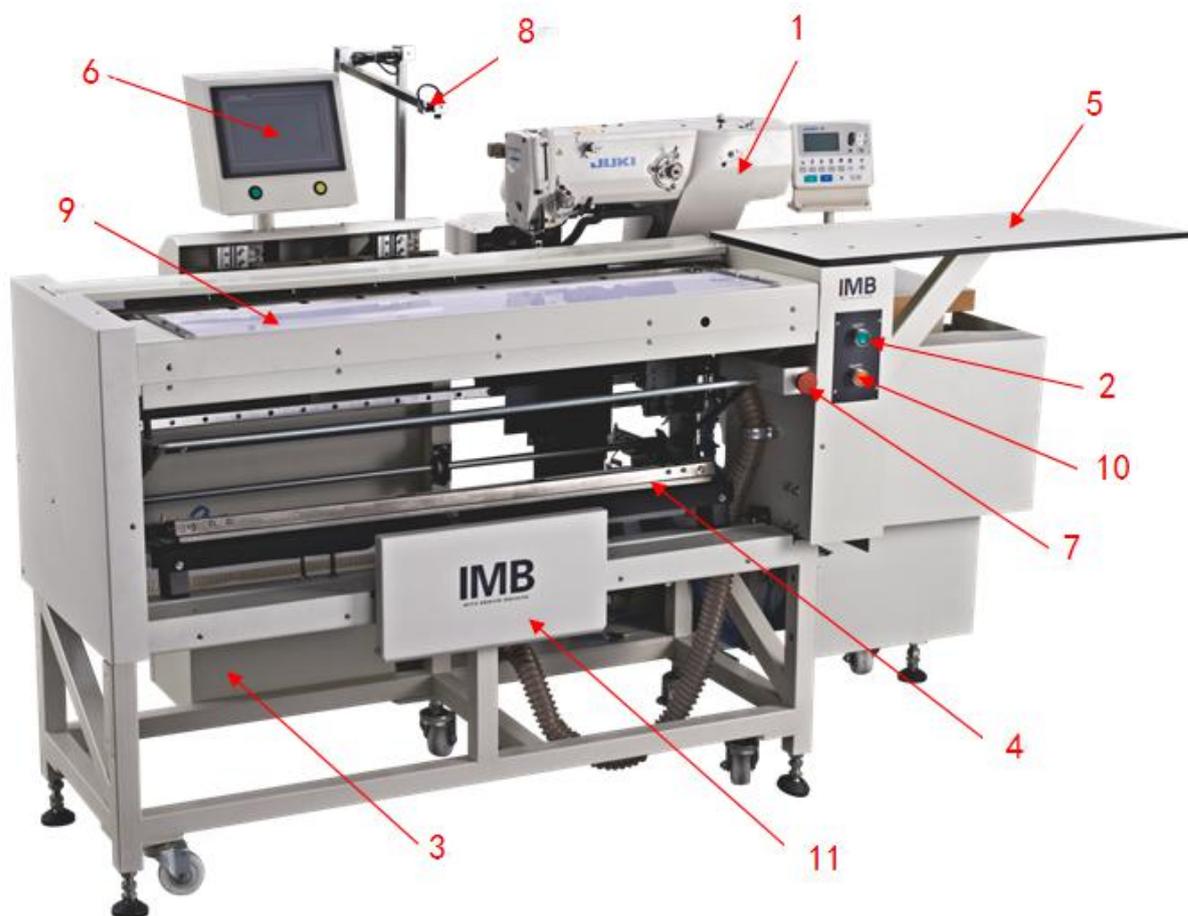
The introduction of this machine is divided into three parts. For details, please refer to 《MB6003A Operation manual》 and 《MB6003A Parts Manual》《MB6003A Touch screen interface operation instructions》

中文

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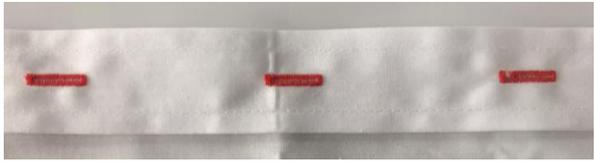
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一、设备基本信息



- 1: 缝纫机头; 2: 电源开关; 3: 电控箱; 4: 收料机构; 5: 放料板; 6: 触摸屏;
7: 急停按钮; 8: 镭射灯; 9: 预选板; 10: 吸风按钮; 11: 膝靠开关

二、设备技术参数

MB6003A 门襟锁眼机		
1	机头配置	JUKI 1790A
		Brother 800C
2	最快缝纫速度/rpm	1790A: 3600
		800C: 3600
3	钮孔长度/mm	≤25
4	切口尺寸/mm (英寸)	6.4~19.1 (1/4~3/4)
5	压脚提升高度/mm	≤14
6	采用机针/mm	DPX5#11J-#14J
7	钮孔间隔/mm	≤610
8	最大缝料输送距离/mm	≤610
9	缝料宽幅/mm	220-420
10	缝料长度/mm	480-880
11	工作电压/V	AC220
12	工作气压/Mpa	0.5
13	缝纫样式	
14	设备尺寸/mm	2300*1100*1500
15	设备重量/kg	353

三、安全注意事项

为了安全地使用自动机的注意事项

 危险	<ol style="list-style-type: none"> 1. 为了防止因触电造成的事故，在接通了电源的状态下，请不要打开马达电气箱的盖子，也不要触摸电气箱内的零件。
 注意	<ol style="list-style-type: none"> 1. 为了防止对人身的伤害，请不要在卸下了皮带护罩、手指防护器等安全装置的状态下运转机器。 2. 为了防止被卷入机器的人身事故，缝纫机运转中，请不要让手指、头发、衣服靠近皮带轮、V 型皮带、马达附近，也不要物品放到上面。 3. 为了防止对人身的伤害，打开电源时或缝纫机运转中，请不要把手指放到机针附近。 4. 为了防止对人身的伤害，缝纫机运转中，请不要把手指放到挑线杆护罩内。 5. 缝纫机运转时，是以高速转动。为了防止伤害到手，运转中请绝对不要让手靠近切布刀。另外，更换机线时，请一定关闭电源。 6. 为了防止对人身的伤害，缝纫机上下动作时或返回原来位置时，请一定注意不要夹到手指。 7. 缝纫机运转中，请不要切断电源或切断空气供给源。 8. 为了防止突然的起动造成的事故，当准备工作完了，达到可以进行缝制的状态时，请卸下布料导向器。 9. 为了防止因触电造成的事故，在卸下电源地线的状态下，请不要运转缝纫机。 10. 为了防止因触电和电气零件损坏造成的事故，插拔电源插头时，请一定先关掉电源开关。 11. 为了防止因电气零件损坏造成的事故，打雷时，为了安全请停止作业，并拔掉电源插头。 12. 为了防止因电气零件损坏造成的事故，从寒冷的地方立即移动到温暖的地方等时会发生结露现象，因此请待水滴万全干燥之后再接通电源。 13. 因为本产品属于精密机器，所以操作时请充分注意，不要把水、油溅到机器上面，也不要让机器掉落给与机器冲击。 14. 本机器是 A 级工业用机器。在家庭环境下使用此机器的话，有可能发生电波干扰的现象。此时，请使用采取适当的措施解决电波干扰问题。 15. 堆积器动作时关闭了电源开关之后，堆积杆动作，因此请注意不要夹到手指等。 16. 布压脚动作中关闭了电源开关之后，布压脚动作，因此请注意不要夹到手指等。 17. 折边机动作中，把手指放到折边机内时，请注意不要让气缸夹到手指。

*重要安全信息：

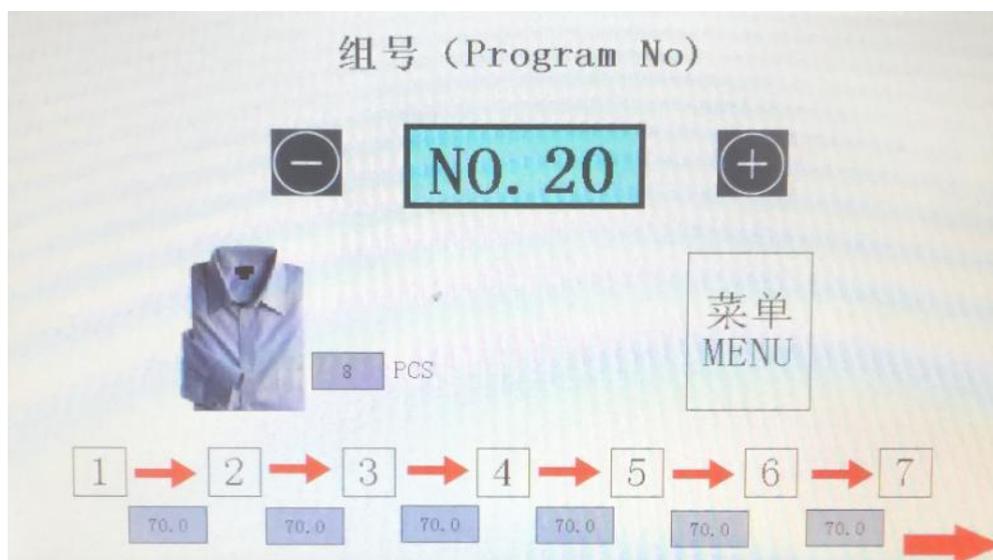
- ✓ 对机器操作不当可能会导致人身伤害，请在操作前仔细阅读本说明并正确操作。
- ✓ 机器正式运行通电前，请先通气。
- ✓ 严禁在通电状态下打开电控箱或触摸屏内部零件。
- ✓ 本机器需要在接受培训后或专人指导下使用，以确保使用者的人身安全。

四、按键功能说明

4.1. 按钮功能说明



- (1): 电源按钮: 电源开关, 按下按钮, 设备通电、通气。
风机按钮: 吸风开关, 按下按钮, 风机启动。
- (2): 膝靠开关: 在正常缝制时, 膝盖靠上不松开, 启动吸风, 调整面料位置; 松开膝盖, 开始自动缝制。
- (3): 机头操作屏: 调整机头相关的参数。
- (4): 急停按钮: 在紧急状态下, 按下按钮, 机器停止。
- (5): 绿色原点复位按钮: 按下按钮, 左侧的自动化装置部分开始复位, 进入缝纫模式。
- (6): 黄色复位按钮: 在送料过程中, 面料出现移位, 按下此按钮, 预送板回到初始位置, 重新摆放面料。
- (7): 触摸屏---详见《MB6003A 门襟锁眼机-界面说明》。
a: 开机界面: 显示当前的缝制款号和相关的尺寸修改栏, 以及菜单按钮。



b: 菜单界面：相关子界面的选择进入。



五、操作说明

5.1. 操作前准备工作

- ✓ 操作人员检查时机头需处于停止状态
- ✓ 检查车缝线是否已经正确穿好
- ✓ 检查机针是否已经安装完成
- ✓ 清理机器台面上的杂物，确保机器运行过程中不会有杂物阻碍运行
- ✓ 检查气压表压力，使其符合机器使用要求
- ✓ 检查收料板上的布片是否已经清空

5.2. 操作过程说明

5.2.1. 启动设备

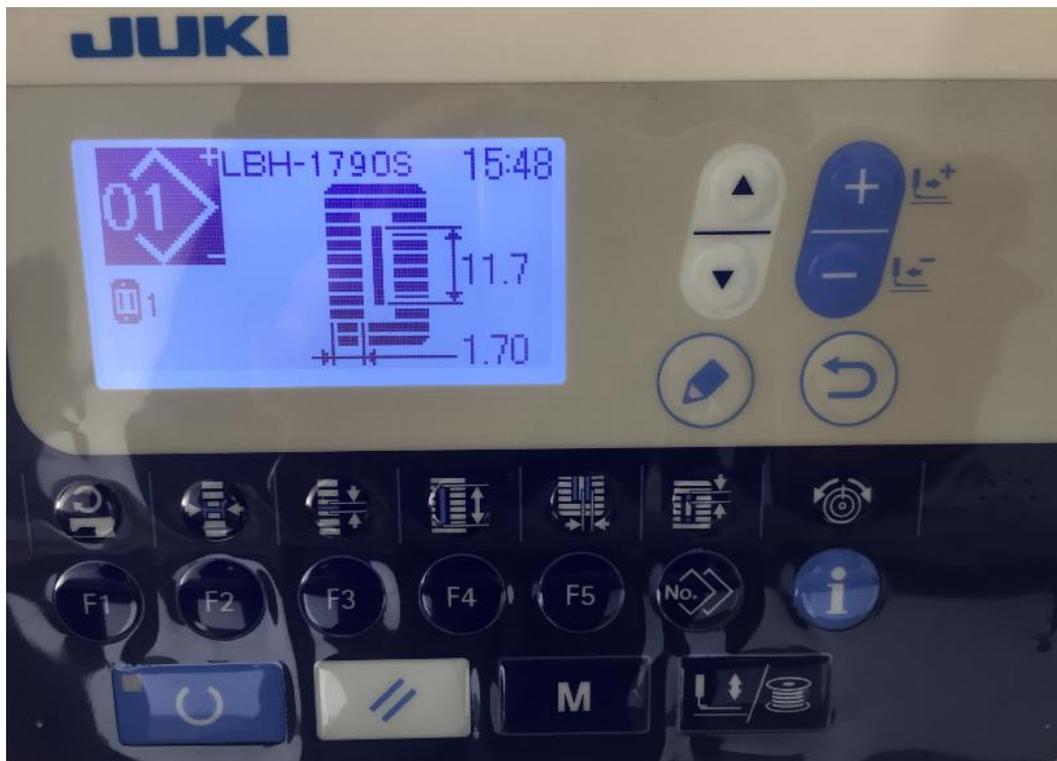
按下 4.1. (1) 中的电源按钮，设备通电开机。



按下 4.1. (1) 中的风机按钮，风机打开。



5.2.2. 机头复位操作



按下 4.1. (3) 机头操作屏下方的  ，机头复位完成。

5.2.3. 自动化装置复位操作



开机后，触摸屏下方的绿色原点复位按钮处于闪烁状态，按下后，完成自动化装置的原点复位按钮复位操作，按钮变成常亮状态，如上图。

5.2.4. 程序确认和程序选择



如 5.2.3 图中所示，当前的程序是：男式，款式：NO. 20。如要更改款式，先将触摸屏下方的绿色按钮点击，使之变为闪烁状态，再点击触摸屏上的加减号，选择想要的即可。如果想要做女式的，则需要点击触摸屏，进入 4.1. (7) .b 菜单界面，



点击，进入设置界面，如下图：



点击屏幕中 ，触摸屏显示女式图标，如下图所示：



点击屏幕中的返回键 ，退回到 4.1. (7) . a, 的开机界面，此时屏幕显示如下图：



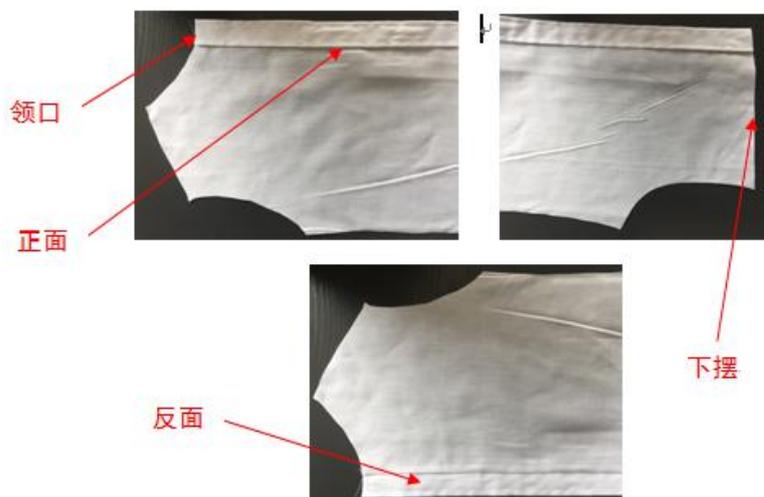
如要更改款式，点击触摸屏上的加减号，选择想要的即可。

5.2.5. 摆放面料

先将面料整齐的放置在放料托板上，便于拿取，如下图所示：



面料说明：



面料整齐的平摊在预放料板上，男式布片的肩部朝右放置，正面朝上，领口对准标记位置的记号，如下图所示：

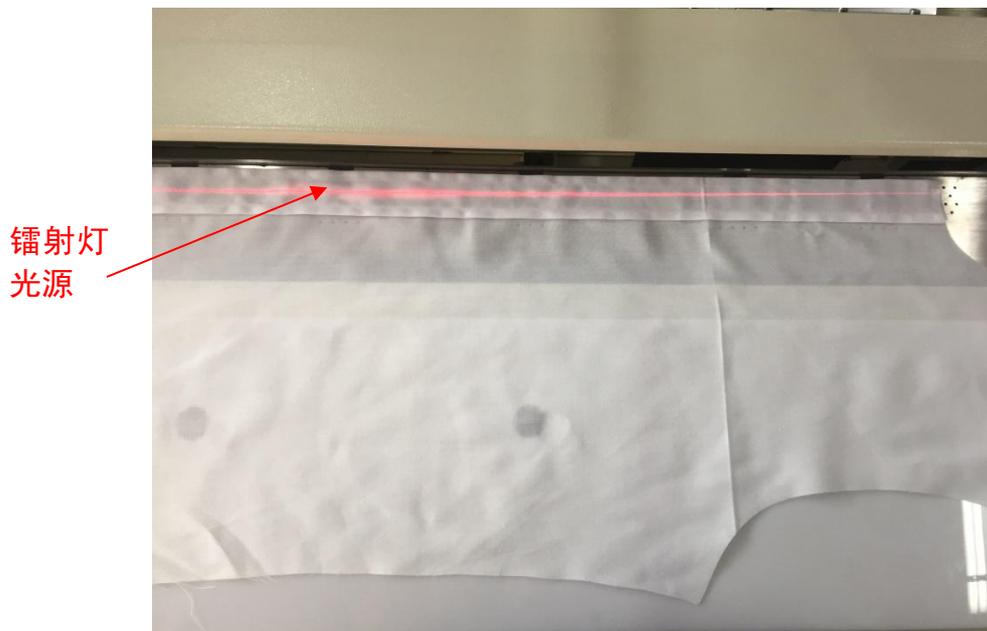


女式布片的领口朝左放置，正面朝上，领口对准标记位置的记号，如下图所示：



5.2.6. 启动吸风调整面料

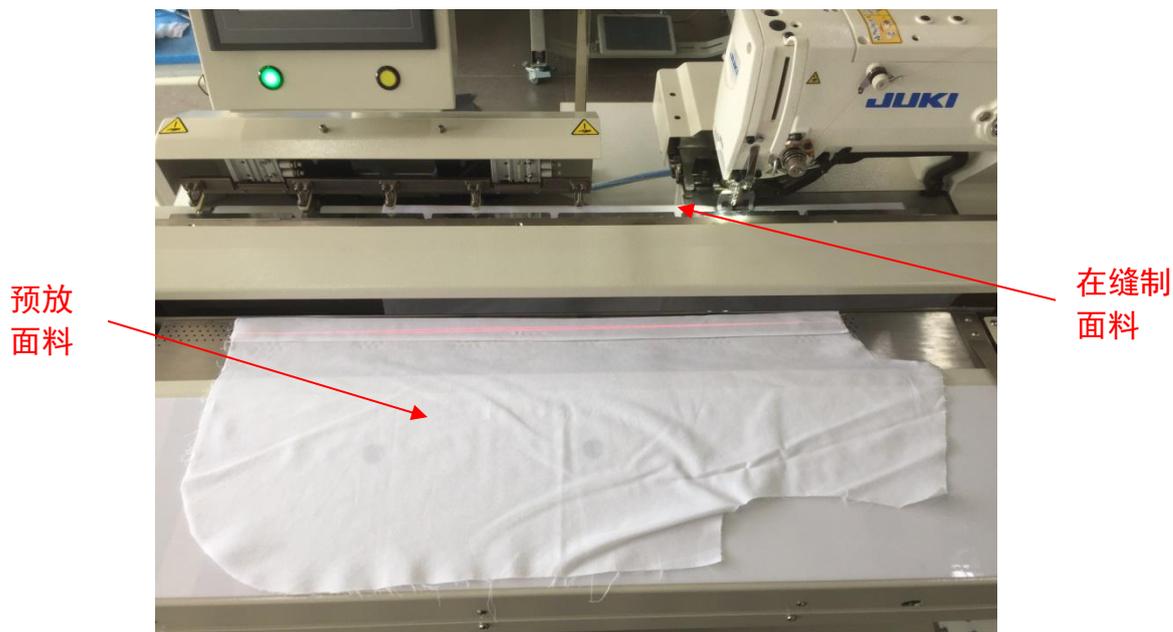
- (1) 用膝盖靠在膝靠开关 4.1. (2) 面板上，不要松开，此时面板吸风打开，吸附面料。
- (2) 操作人员需要将面料的位置调整到最佳位置，如果需要对格对条，则需要调整镭射灯，如下图所示：



- (3) 面料调整后，松开膝靠开关，程序执行自动缝制。

5.2.7. 预放料

当第一片面料开始自动缝纫时，此时可以预放面料，动作同 5.2.5 和 5.2.6。如下图所示，当面料摆放好并且调整后，即可松开膝盖，预放料结束。此时系统进入循环缝制模式。



当“在缝制面料”缝制完成后，“预放面料”进入缝制区域进行缝制。依次循环重复。



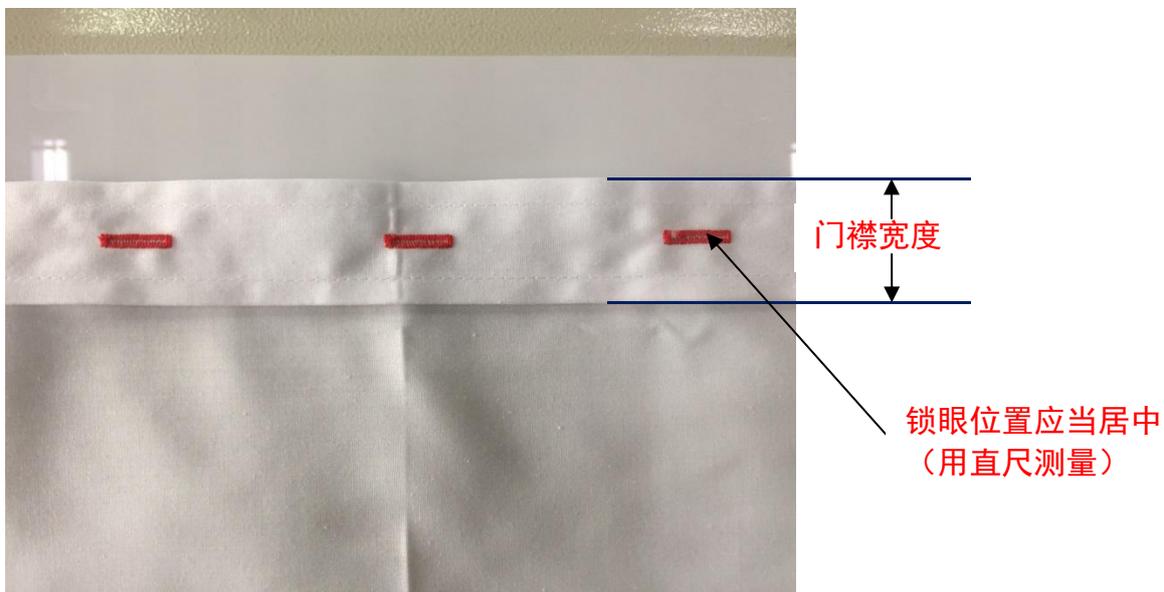
5.2.8. 关机

操作完毕，按下 4.1. (1) 中的电源按钮和风机按钮，将机器和风机关闭。

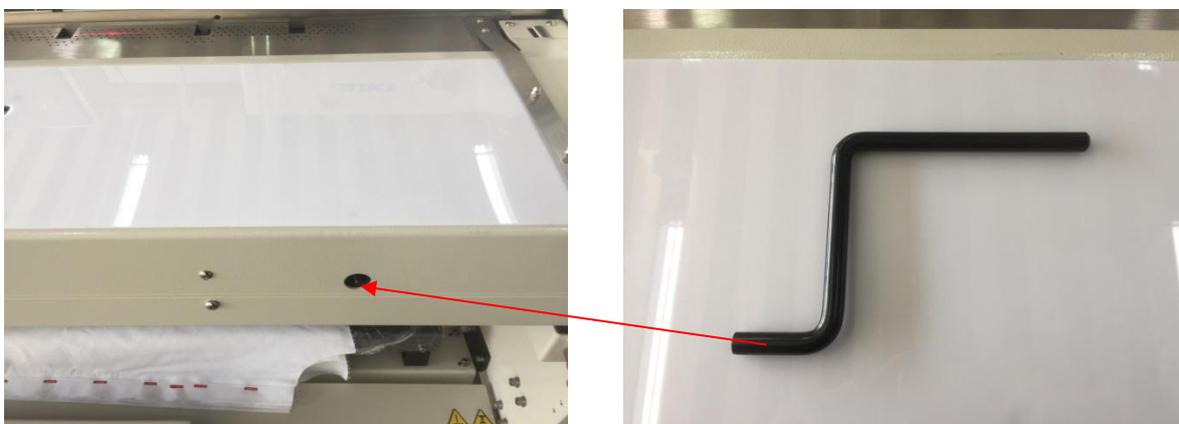
六、相关部件调整说明

6.1. 布片靠山位置的调整

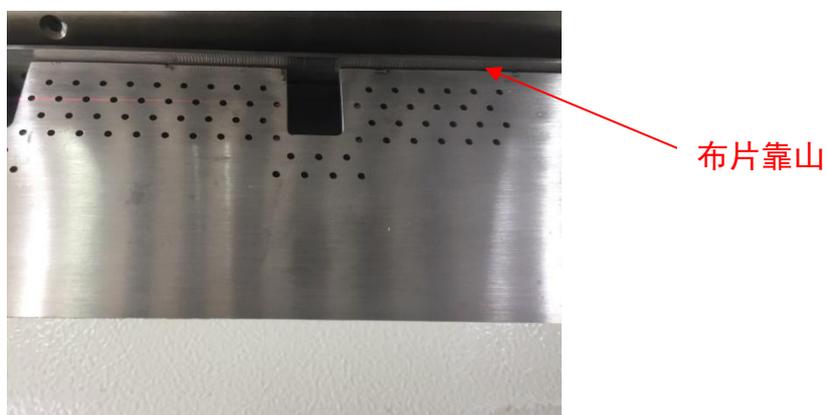
当初次缝制某款式布片时，锁眼的位置可能会有所偏差，这时需要调整布片靠山的位置，下图为锁眼位置的示意说明：



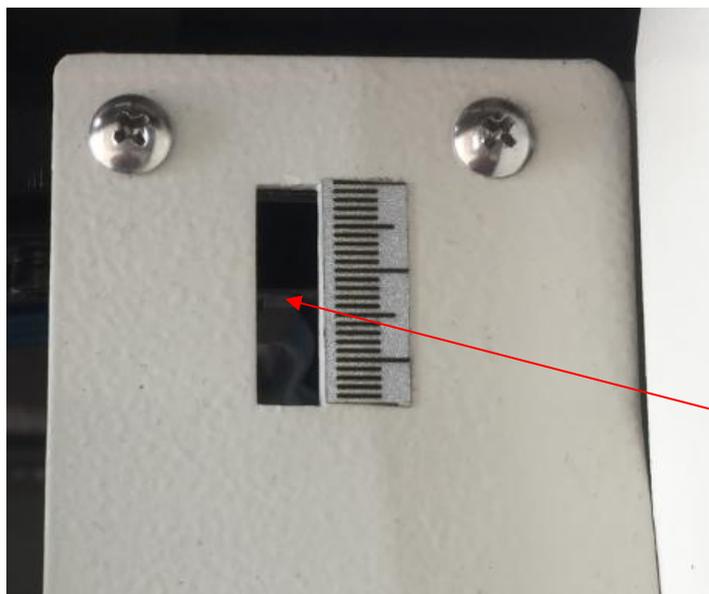
手摇柄示意：



布片靠山示意：



标尺示意：



指针

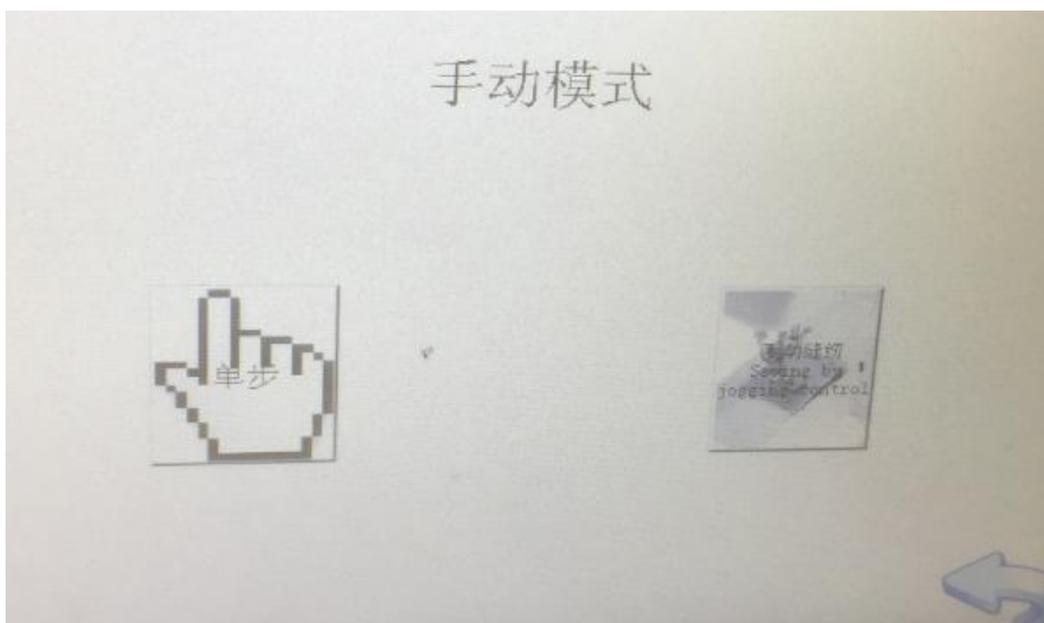
当锁眼位置偏上时，逆时针旋转手摇柄，指针往上移动，以此来将锁眼位置下调。
当锁眼位置偏下时，顺时针旋转手摇柄，指针往下移动，以此来将锁眼位置上调。

6.2. 调整夹布装置

6.2.1. 触摸屏以及按钮操作

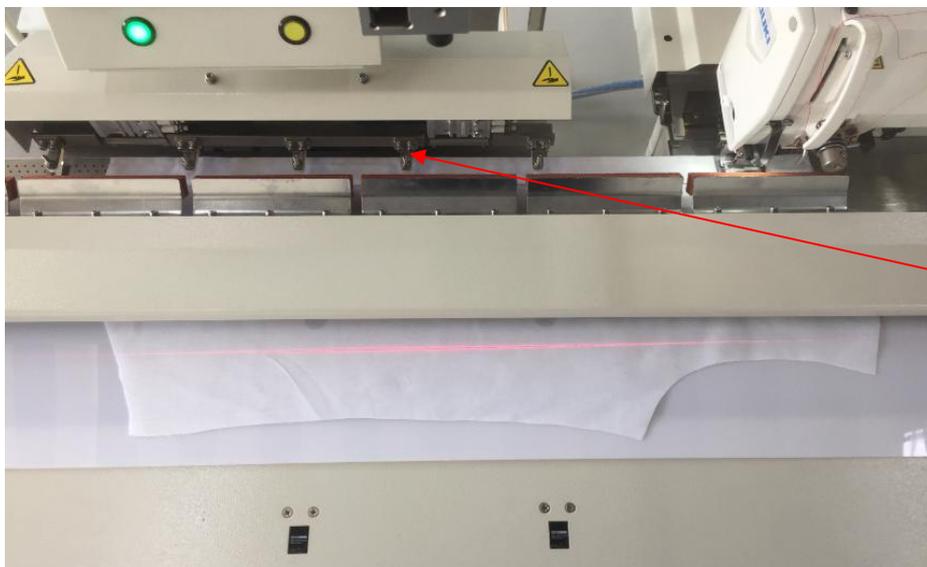
首先，确认机头是否复位，如果没有，先执行 5.2.2 的操作，使机头复位。再确认触摸屏下方的绿色原点复位按钮是否是常亮状态（复位状态），如果不是，则需要点击绿色按钮，使之变为常亮状态。

复位完成后，点击触摸屏，进入 4.1. (7) .b 菜单界面，点击 ，进入手动操作界面，如下图所示：



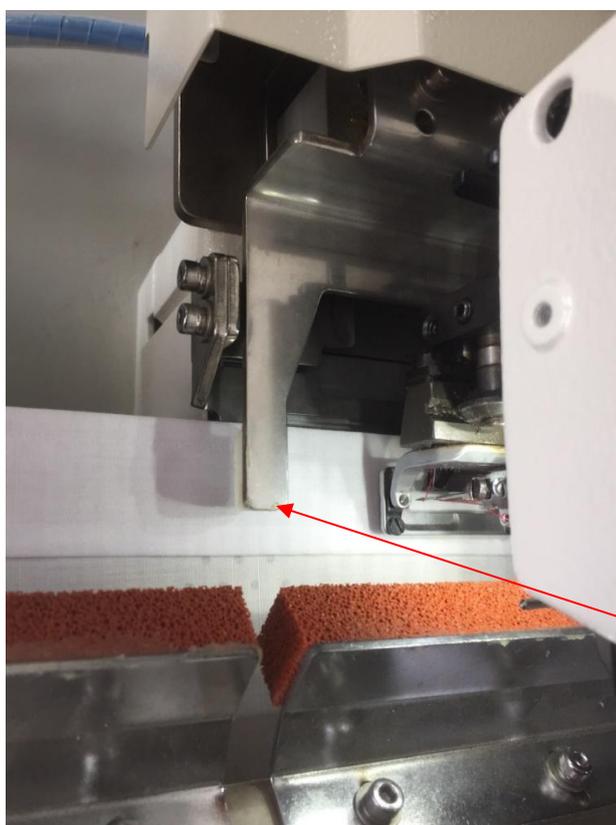
6.2.2. 触摸屏单步操作

将布片根据 5.2.5 中的摆放要求，摆放到位，点击 6.2.1 屏幕中的 ，推送板将布料送至主压布组件下方，如下图所示：



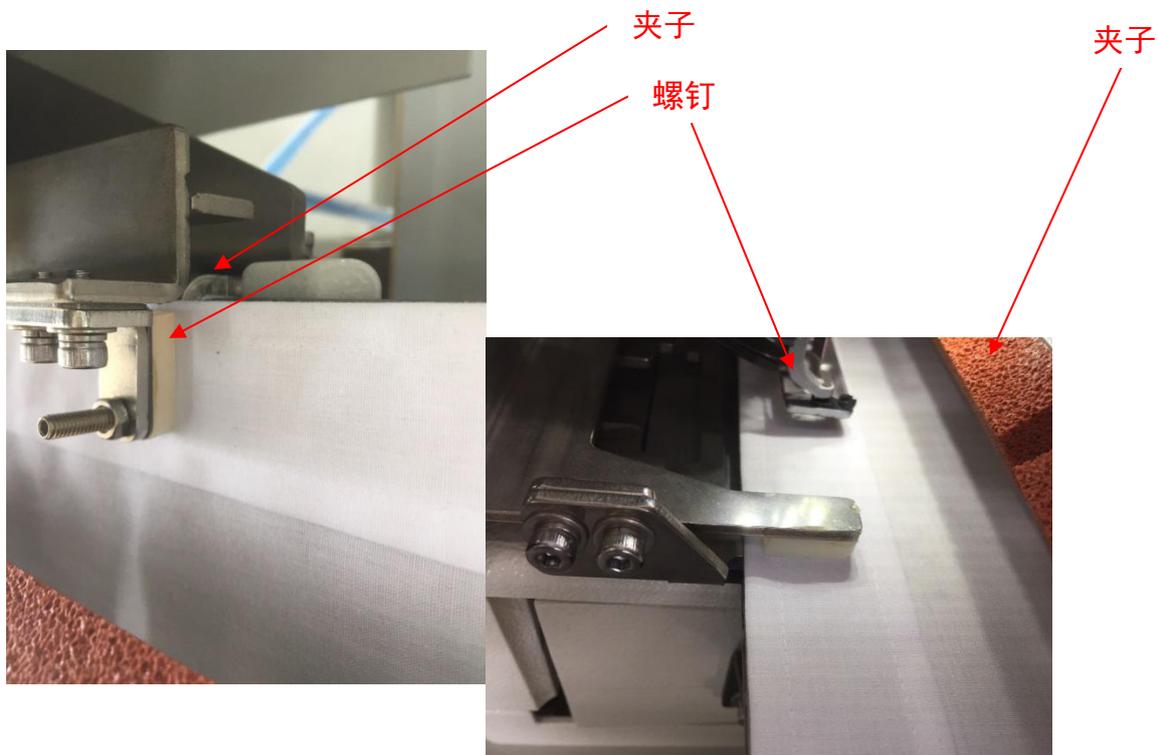
主压布
组件

再次点击 6.2.1 屏幕中的 ，机头夹布机构的夹板伸出，如下图所示：

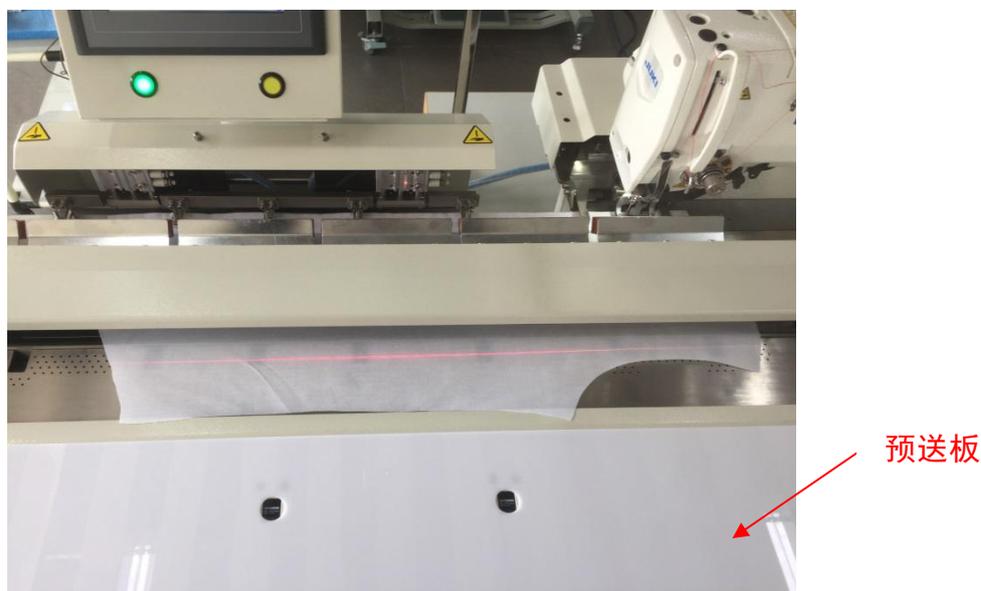


机头夹
布机构

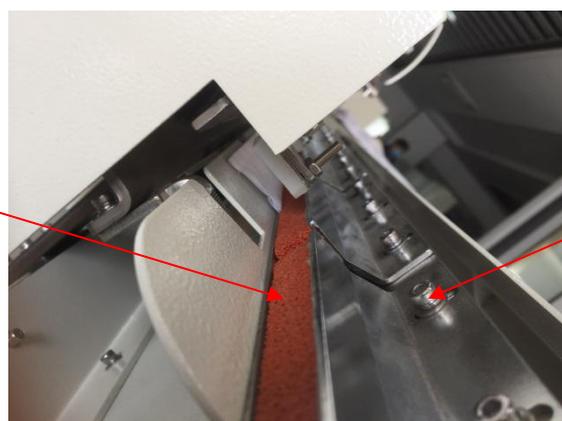
再次点击 6.2.1 屏幕中的 ，机头夹布机构和主压布组件的夹子下压，夹住布片，在此情况下，用手拉一下布片门襟是否被压紧，如果没被压紧，则需要调整螺钉，直到门襟被压紧，如下图所示：



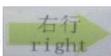
再次点击 6.2.1 屏幕中的 ，预送板退回至原位，如下图所示：

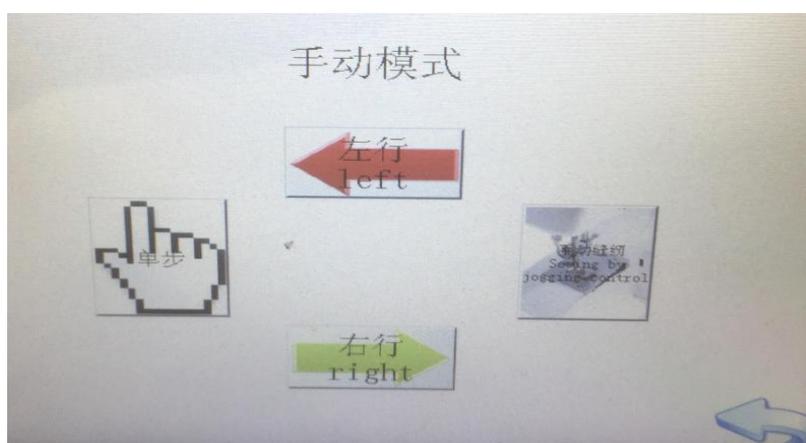


再次点击 6.2.1 屏幕中的 ，压布海绵下压，此时，再用手拉一下布片是否被压紧，如果没被压紧，则需要调整螺钉，直到门襟被压紧，如下图所示：



螺钉

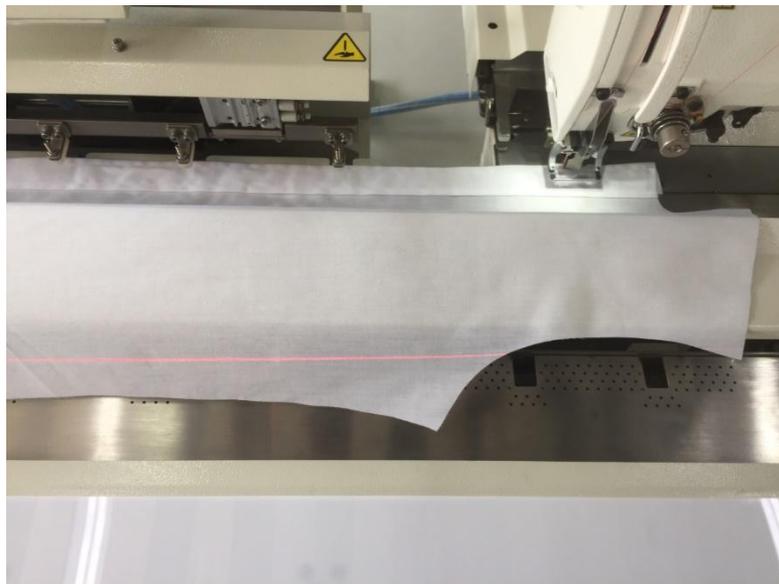
海绵松紧调整完成后, 连续点击屏幕中的  , 让机器空送布片, 直到收料完成, 如下图所示:



此时, 调整夹布装置操作完成。

6.3. 手动测试锁眼

在机头已经复位，并且触摸屏下方的绿色原点复位按钮在闪烁状态下，将布片放到大概机针下的位置，如下图所示：

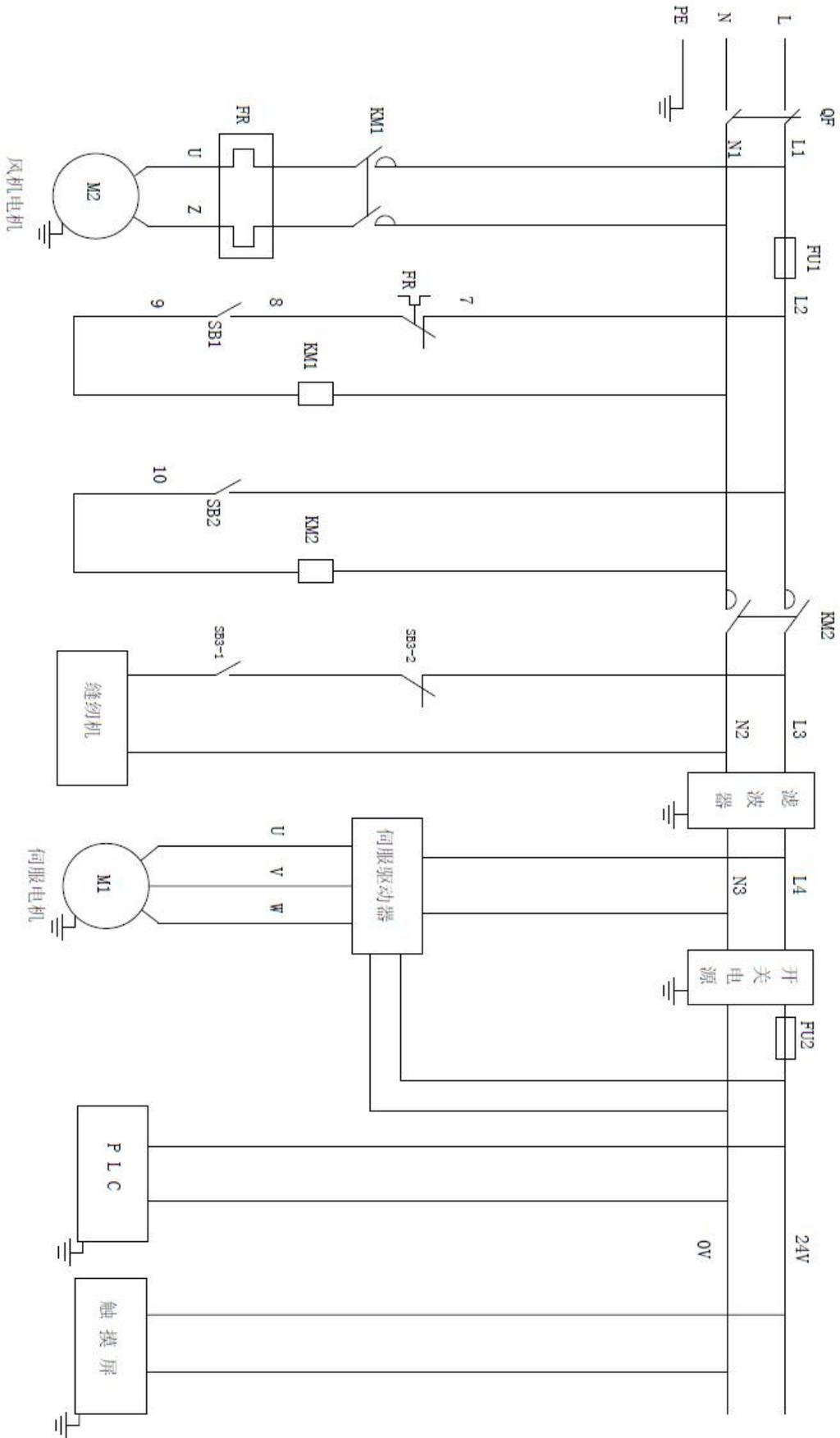


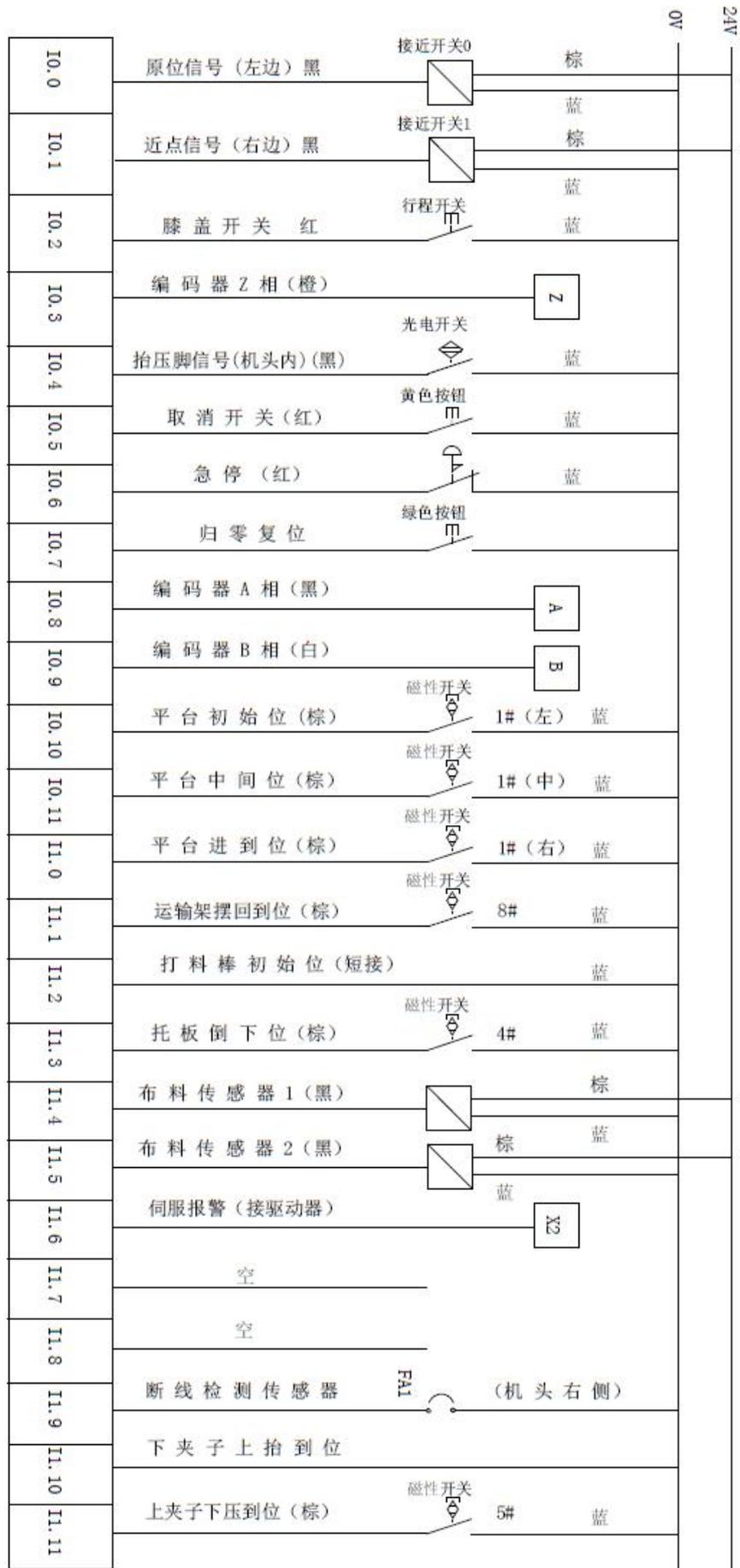
点击屏幕，进入 6.2.1 的手动操作界面，点击屏幕中的“手动缝纫”，机头开始锁眼，如下图所示：



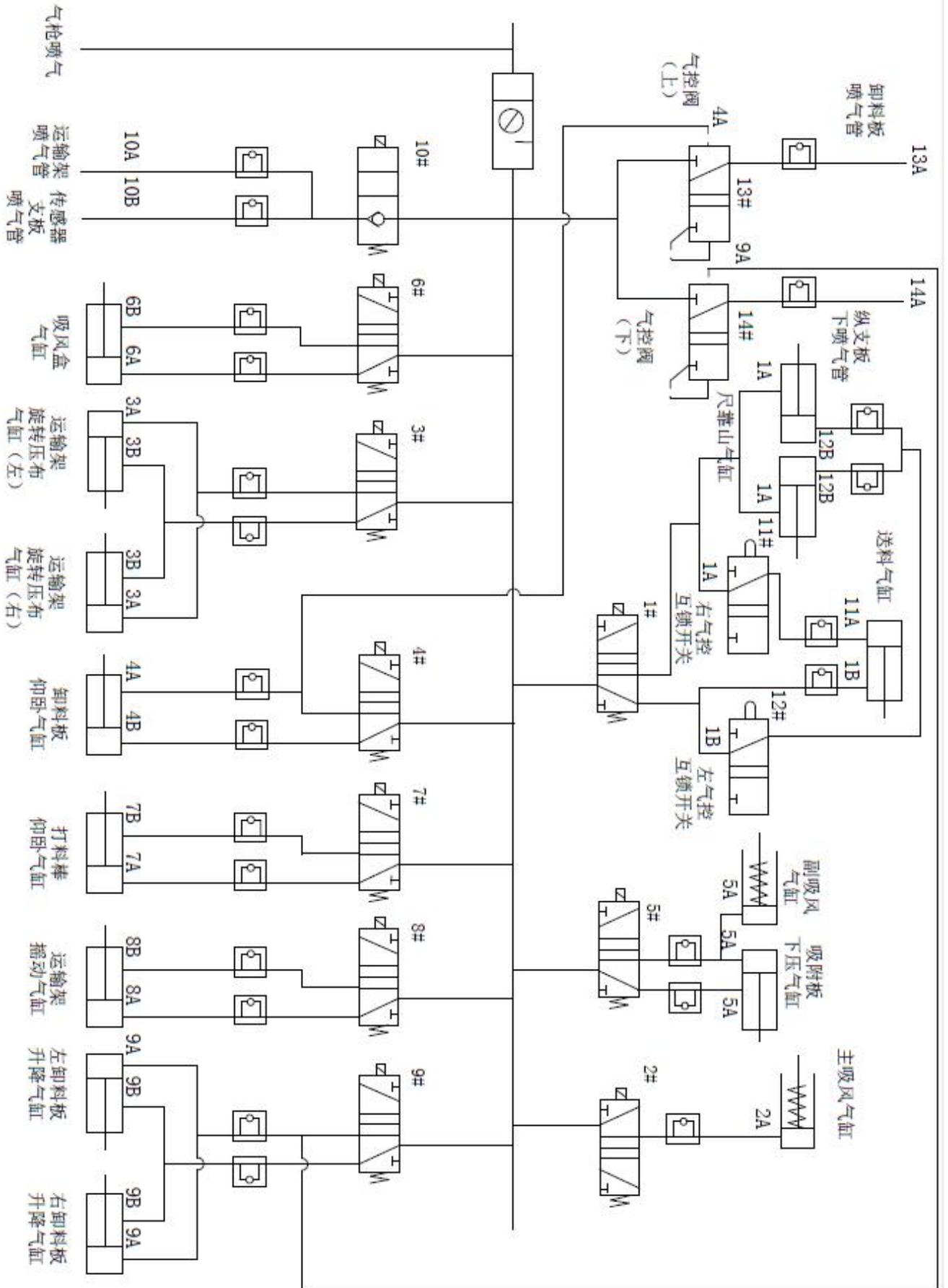
连续点击屏幕中的返回键，退回到 4.1. (7) . a, 的开机界面，手动测试锁眼完成。

七、电气配线









序号	附件名称	规格	数量
1	《MB6003A 门襟锁眼机--使用说明书》		1
2	《MB6003A 门襟锁眼机--零件手册》		1
3	《MB6003A 门襟锁眼机--触摸屏界面操作说明》		1
4	线架	机头原配件	1
5	附件包	机头原配件	1
6	油壶	机头原配件	1
7	机油	机头原配件	1
8	一字螺丝刀	机头原配件	1
9	机头罩	机头原配件	1
10	护眼罩	机头原配件	1
11	使用说明书	机头原配件	1
12	手摇杆		1

九、日常保养要求

9.1. 设备保养清单及要求详见下表

9.2. 其他更多关于机头的保养要求请参照 Brother 和 JUKI 机头说明书

序号	项目	时间				要点描述
		每天	每周	每月	半年	
1	清理灰尘	√				清除设备表面及零部件灰尘
2	清理油污		√			清理台板、针板、梭芯油污
3	气管接口			√		气管接口紧密，不漏气
4	机头油量			√		机头油量不低于警戒线
5	梭芯			√		检查机头梭芯是否刮花
6	感应器				√	检查灵敏度是否准确，位置是否变化
7	滑动件				√	检查滑动件润滑，如有需要则添加润滑剂
8	电控箱				√	散热风扇运转正常，及时清理灰尘

十、知识产品保护声明

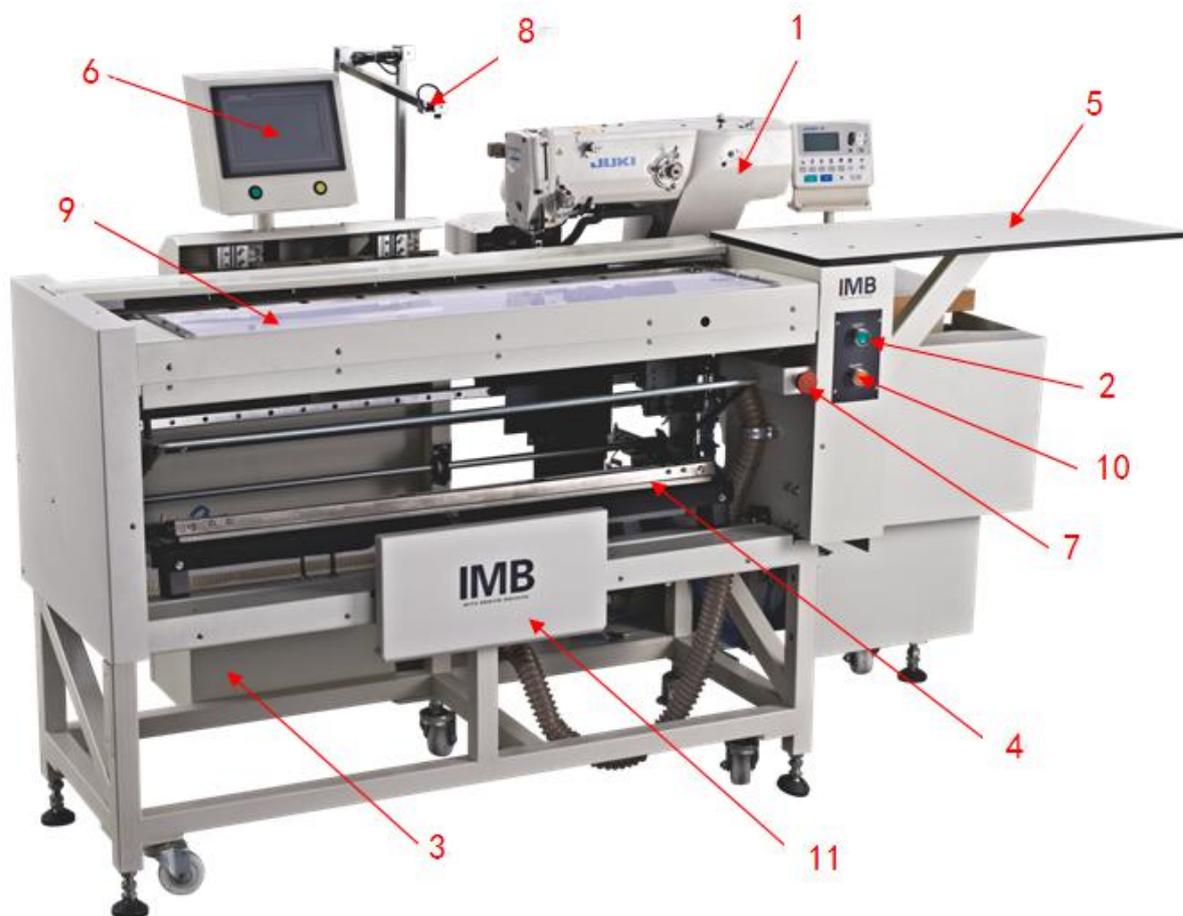
MB6003A 门襟锁眼机是常州智谷机电科技有限公司独立自主完成的设计成果。该成果知识产权属于常州智谷机电科技有限公司，受国家知识产权相关法律法规的保护。未经权利人书面许可，不得实施该成果的专利技术，不得复制、销售或通过信息网络传播和该成果有关的信息。任何违法侵权行为，常州智谷机电科技有限公司将依法追究其法律责任。

ENGLISH

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1、 Basic information of the equipment



- 1: Machine head; 2: Power switch; 3: Control box; 4: Stacker; 5: Loader; 6: Touch screen;
7: Emergency stop button; 8: Laser; 9: Pre-load plate; 10: Suction button;
11. Knee switch

2、Technical parameters of the equipment

MB6003A Button holing indexer		
1	Machine head	JUKI 1790A
		Brother 800C
2	Maximum sewing speed /rpm	1790A: 3600
		800C: 3600
3	Buttonhole length /mm	≤25
4	Notch size /mm (inch)	6.4~19.1 (1/4~3/4)
5	Presser foot lifting height/mm	≤14
6	Needle/mm	DPX5#11J-#14J
7	Buttonhole interval /mm	≤610
8	Maximum conveying distance /mm	≤610
9	Width of fabric /mm	220-420
10	Length of fabric /mm	480-880
11	Working voltage /V	AC220
12	Working pressure /Mpa	0.5
13	Style	
14	Size/mm	2300*1100*1500
15	Weight/kg	353

3、Safety precautions

Considerations for safe use of automata

 危険	<ol style="list-style-type: none"> 1. In order to prevent accidents caused by electric shock, please do not open the cover of the electrical box of the motor or touch the parts in the electrical box when the power is connected.
 注意	<ol style="list-style-type: none"> 1. In order to prevent personal injury, please do not operate the machine in the state of removing the belt guard, finger protector and other safety devices. 2. In order to avoid being involved in the machine's personal accident, please do not let your fingers, hair, clothes near the pulley, v-belt, motor, and do not put items on it during the operation of the sewing machine. 3. To prevent personal injury, please do not put your finger near the needle when turning on the power or running the machine. 4. In order to prevent personal injury, please do not put your fingers in the wire pole guard during the operation of the sewing machine. 5. When the machine is running, it turns at a high speed. To prevent damage to the hand, never let the hand near the cutter during operation. In addition, when changing the cable, please be sure to turn off the power. 6. In order to prevent personal injury, please be careful not to pinch your fingers when the machine moves up and down or when you return to the original position. 7. Please do not cut off the power or air supply while the machine is running. 8. In order to prevent accidents caused by sudden starting, please remove the cloth guide when the preparation work is finished and the sewing state is reached. 9. In order to prevent accidents caused by electric shock, please do not operate the sewing machine when the ground wire of the power supply is removed. 10. In order to prevent accidents caused by electric shock and damage to electrical parts, be sure to turn off the power switch before inserting or unplugging the power plug. 11. In order to prevent accidents caused by damage of electrical parts, please stop the operation for safety when it thunders and pull the power plug. 12. In order to prevent accidents caused by damage to electrical parts, condensation will occur when moving from a cold place to a warm place immediately, so please wait until the water drops dry before switching on the power. 13. As this product is a precision machine, please pay full attention to it during operation, do not splash water or oil on the machine, and do not let the machine fall and give the machine impact. <p>This machine is A class A industrial machine. The use of this machine in the home environment may cause the phenomenon of radio interference. At this point, please take appropriate measures to solve the problem of radio interference.</p> <ol style="list-style-type: none"> 15. After the power switch is turned off when the accumulator moves, the accumulator lever moves, so please be careful not to clip your finger, etc.

16. When the power switch is turned off during the foot press action, please be careful not to pinch your fingers.

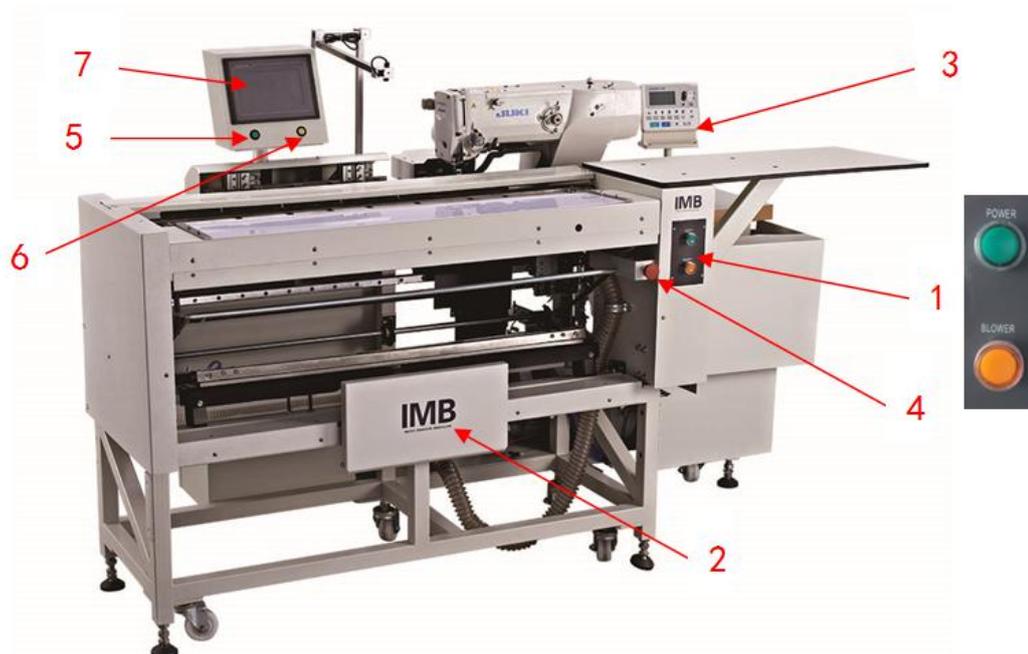
17. During folding operation, please be careful not to clip the cylinder to your finger when putting your finger into the folding machine.

*** important safety information:**

- ✓ improper operation of the machine may cause personal injury. Please read this instruction carefully and operate correctly before operation.
- ✓ Please ventilate the machine before it is officially powered on.
- ✓ do not turn on the internal parts of the electric cabinet or touch screen while the power is on.
- ✓ this machine should be used after receiving training or under special instruction to ensure the safety of the user.

4、key function description

4.1.Function description of the button



(1): Power button: power switch, press the button, the equipment is powered on and ventilated.

Fan button: suction switch, press button, fan starts.

(2): Knee switch: In normal sewing, the knee does not loosen, start suction, adjust the fabric position; loosen the knee, start automatic sewing.

(3): Head operation screen: adjust the head related parameters.

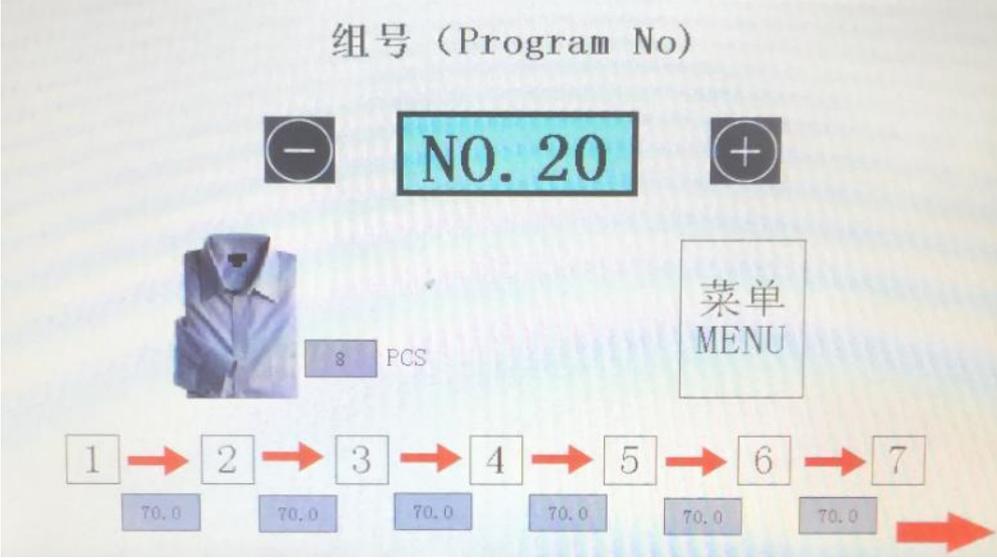
(4): Emergency stop button: in emergency state, press the button to stop the machine.

(5): Green origin reset button: Press the button, the automatic device on the left side will start to reset and enter the sewing mode.

(6): Yellow reset button: during the feeding process, the fabric is displaced. Press this button, the pre feeding board will return to its original position, and the fabric will be placed again.

(7): Touch screen--- See mb6003a interface description for details.

a: Start-up interface: display the current sewing model number and related size modification bar, and menu



buttons.

b: Menu interface: Select the relevant sub-interface to



enter.

5. Operating instructions

5.1. Preparation before operation

- ✓ Operator checks when the head is stopped
- ✓ Check to see if the stitches are properly sewn on
- ✓ Check whether the machine needle has been installed
- ✓ Clean up the sundries on the machine surface to ensure that there is no sundries hindering the operation of the machine
- ✓ Check the pressure of the barometer to make it meet the requirements of the machine
- ✓ Check if the stacker is empty

5.2. Operation process description

5.2.1. Start the device

Press the power button in 4.1. (1) to power on the device



Press the fan button in 4.1. (1) and the fan will turn on



5.2.2. Reset operation



Press the  below the 4.1. (3) head operation screen, and the head reset is completed.

5.2.3. Reset operation of automation device



After power on, the green origin reset button at the bottom of the touch screen is in flashing state. After pressing, the reset operation of the origin reset button of the automation device is completed, and the button becomes normally on, as shown in the figure above.

5.2.4. Program confirmation and program selection

As shown in figure 5.2.3, the current procedure  Men , style: NO. 20. To change the style, first click the green button at the bottom of the touch screen to make it blink, then click the plus minus sign on the touch screen and select the desired one. If you want to be a woman's, you need to click the touch screen to enter the 4.1. (7). B menu interface,

click  , Enter the setting interface, as shown below:



Click on the screen  , The touch screen displays the women's icon, as shown in the following figure:



Click the back key on the screen  , Return to the startup interface of 4.1. (7). A. the screen is as follows:



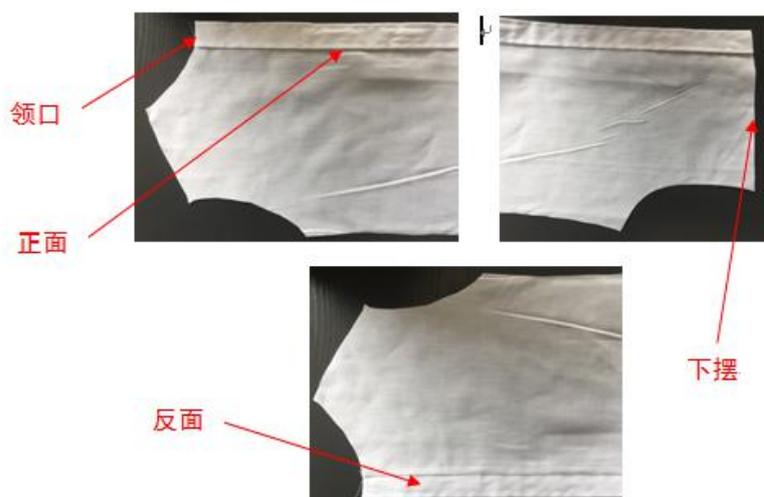
To change the style, click the plus minus sign on the touch screen and select the one you want.

5.2.5.Placing fabric

First, place the fabric neatly on the feeding support plate for easy access, as shown in the following figure:



Fabric description:



The fabric is evenly spread on the pre laying board, the shoulder of men's cloth piece is facing right, the front is facing up, and the neckline is aligned with the mark at the mark position, as shown in the following figure:



The neckline of the women's cloth piece is placed to the left, facing up, and the neckline is aligned with the mark of the mark position, as shown in the following

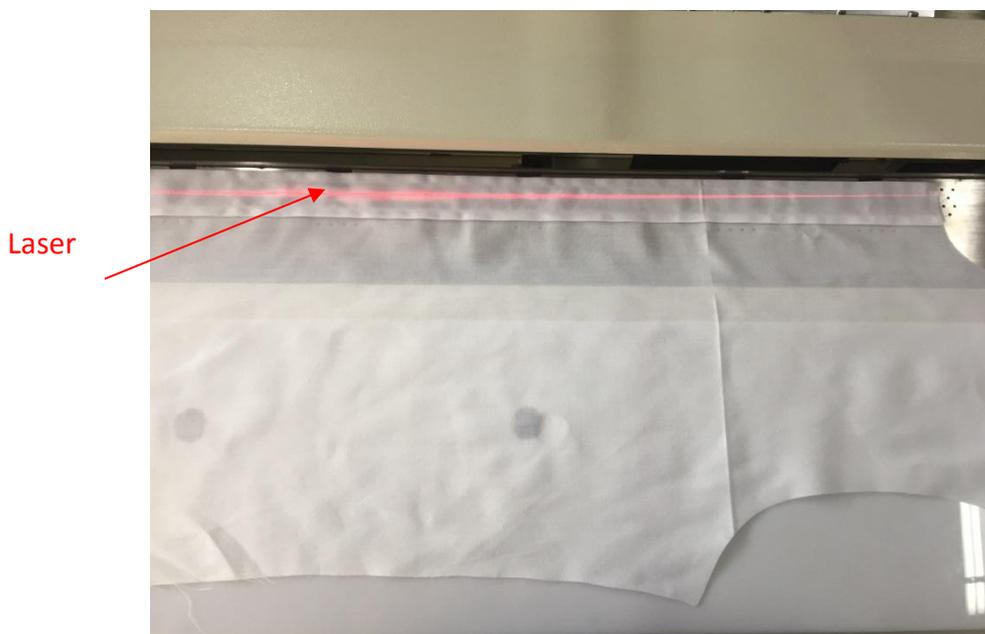


figure:

5.2.6. Start air absorption and adjust fabric

(1) Use the knee to lean on the knee switch 4.1. (2) panel, do not loosen it. At this time, the panel suction opens to absorb the fabric.

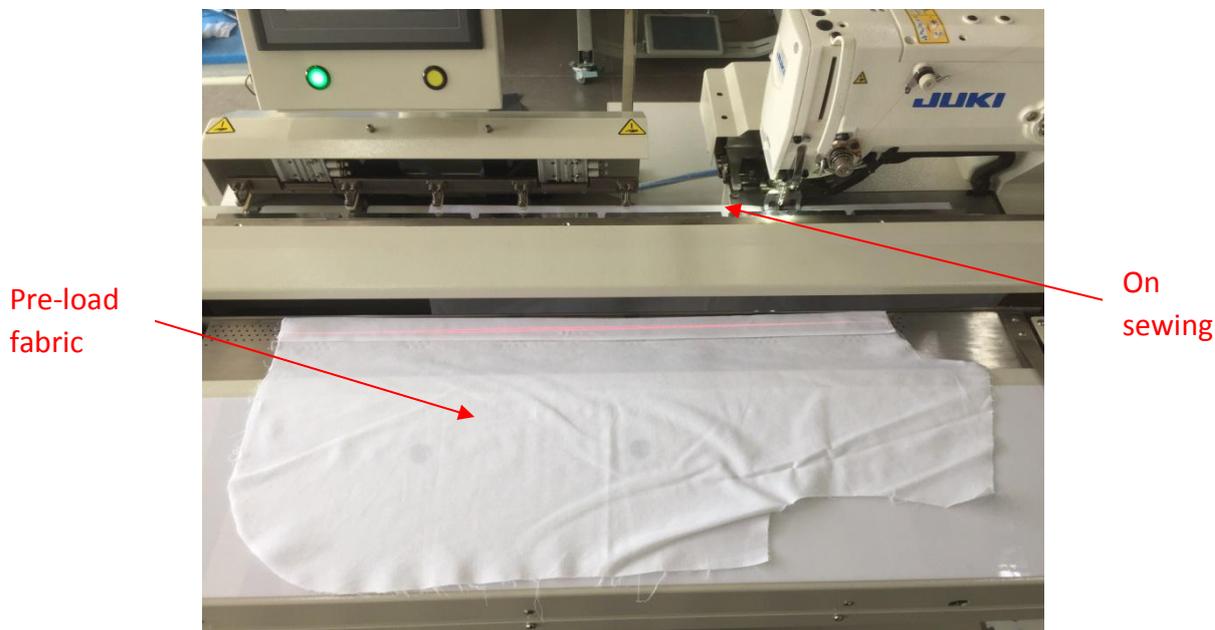
(2) The operator needs to adjust the position of the fabric to the best position. If it is necessary to align the bars, the laser spotlight needs to be adjusted, as shown in the following figure:



(3) After the fabric is adjusted, release the knee rest switch, and the program will perform automatic sewing.

5. 2. 7. Pre-load

When the first piece of fabric starts to sew automatically, the fabric can be placed in advance at this time, with the same action as 5. 2. 5 and 5. 2. 6. As shown in the figure below, when the fabric is placed and adjusted, the knee can be released and the pre placement is finished. At this time, the system enters the cycle sewing mode.



When the "in sewing fabric" is finished, the "pre load fabric" enters the sewing area for sewing.

Repeat in turn.



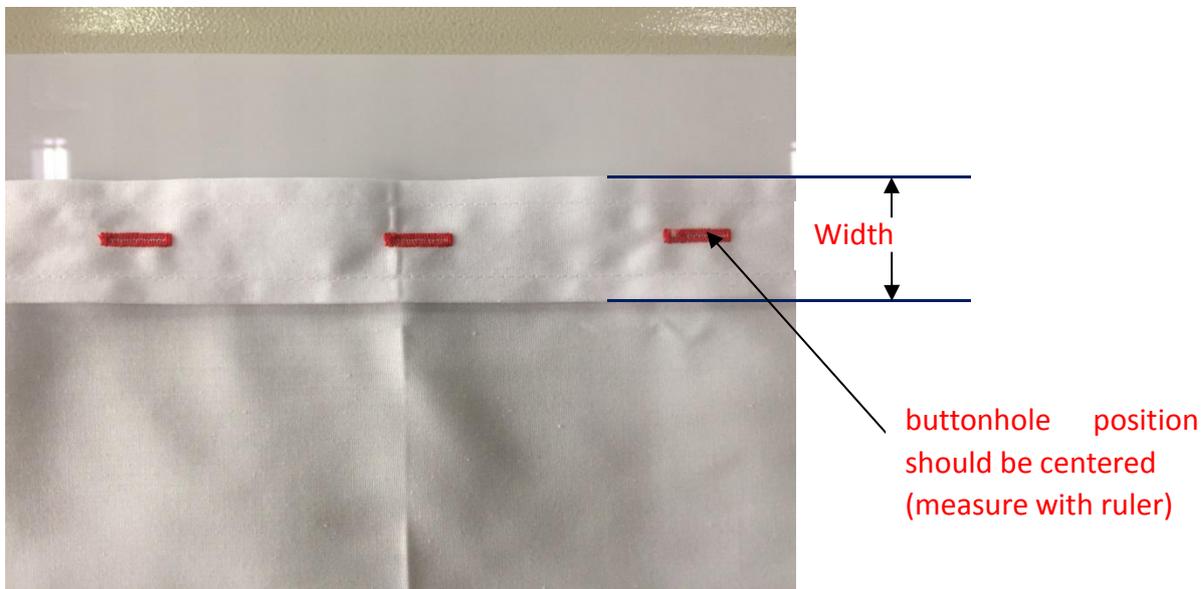
5. 2. 8. Shutdown

After operation, press the power button and fan button in 4. 1. (1) to turn off the machine and fan.

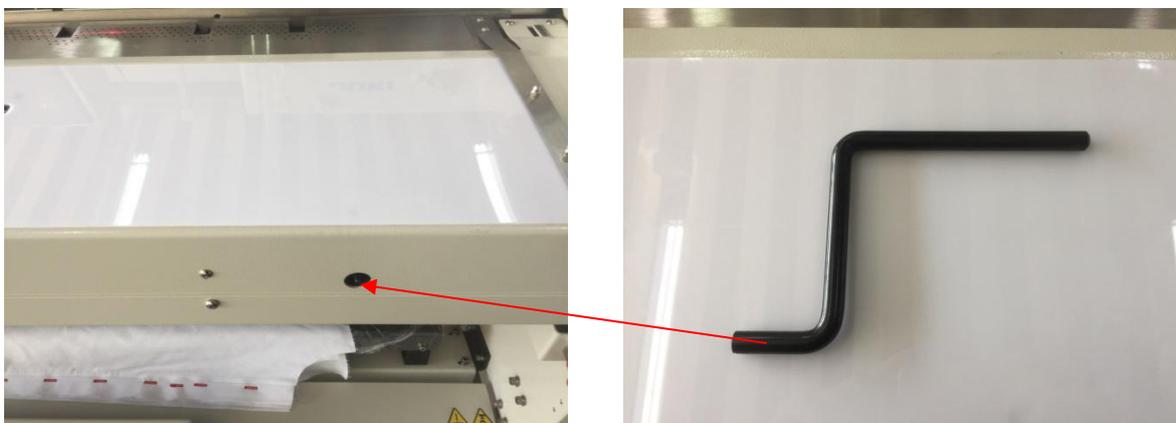
6、 Adjustment instructions of relevant parts

6.1. Adjustment of fabric guard position

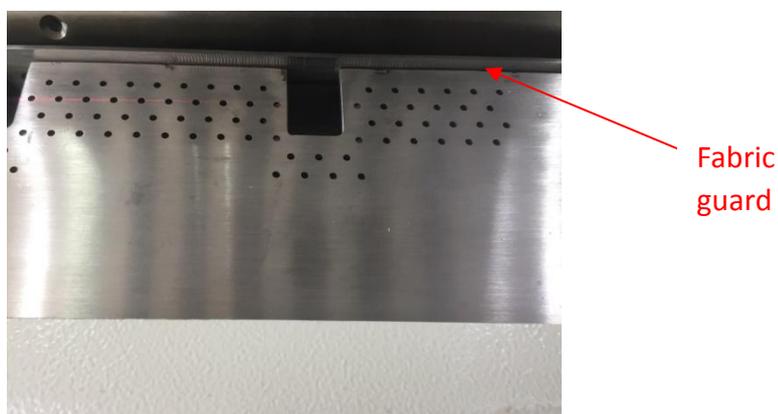
When sewing a certain style of cloth for the first time, the position of the buttonhole may deviate. At this time, it is necessary to adjust the position of the fabric guard. The figure below is the schematic description of the position of the keyhole:



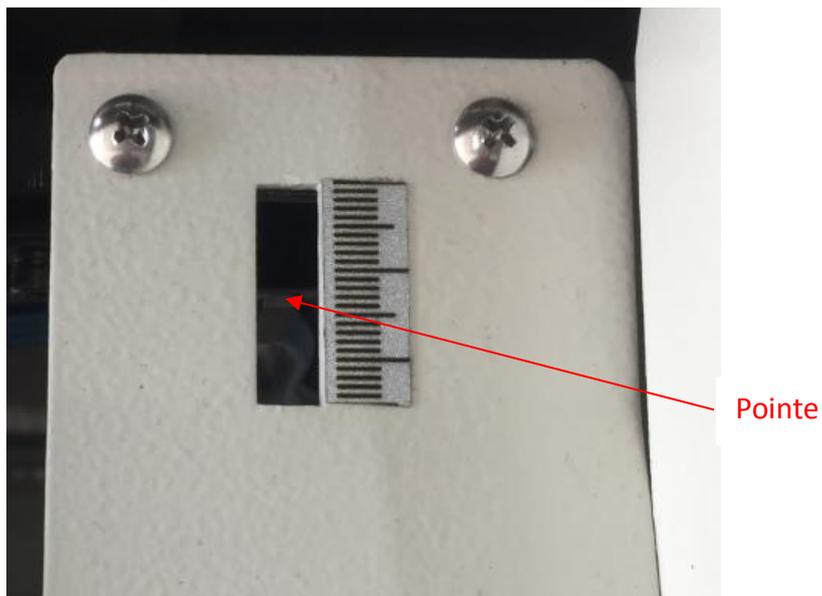
Handle:



Fabric guard:



Ruler indicate:



When the buttonhole position is upward, rotate the handle anticlockwise and move the pointer upward to lower the buttonhole position.

When the buttonhole position is lower, rotate the handle clockwise and move the pointer downward to raise the buttonhole position.

6.2. Adjust the cloth clamping device

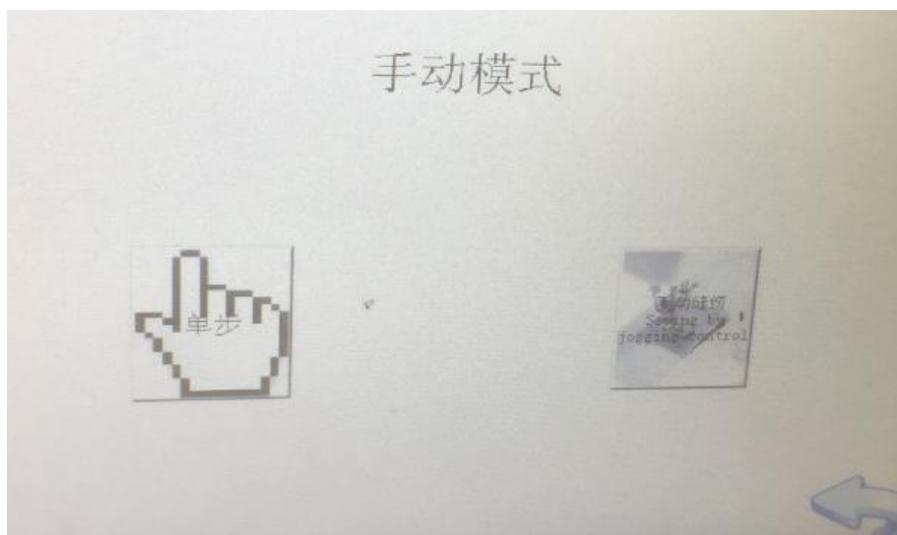
6.2.1. Touch screen and button operation

First, confirm whether the head is reset. If not, first perform the operation in 5.2.2 to reset the head. Then confirm whether the green origin reset button at the bottom of the touch screen is in the normally on state (reset state). If not, click the green button to change it to the normally on state.

After the reset, click the touch screen to enter the 4.1. (7). B menu interface, and click

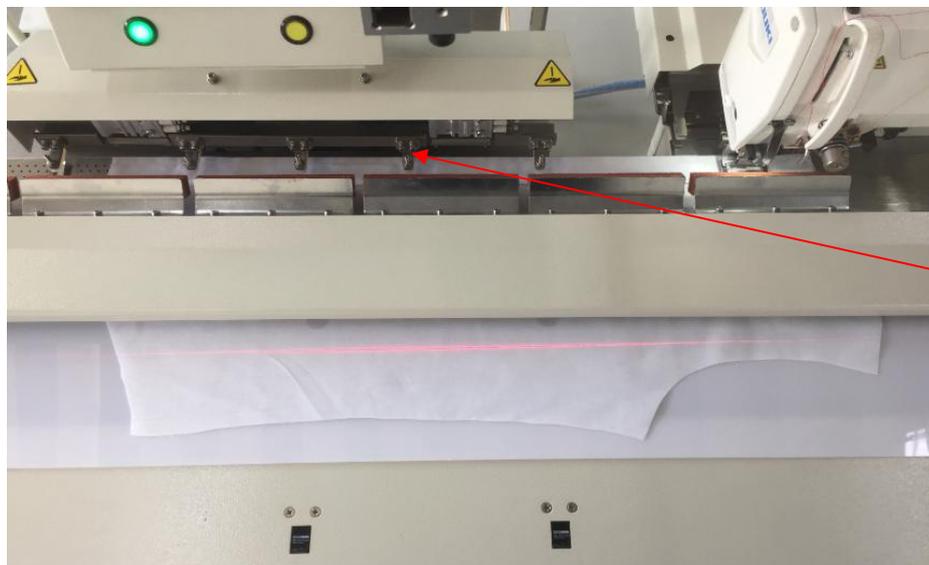


, Enter the manual operation interface, as shown in the following figure:



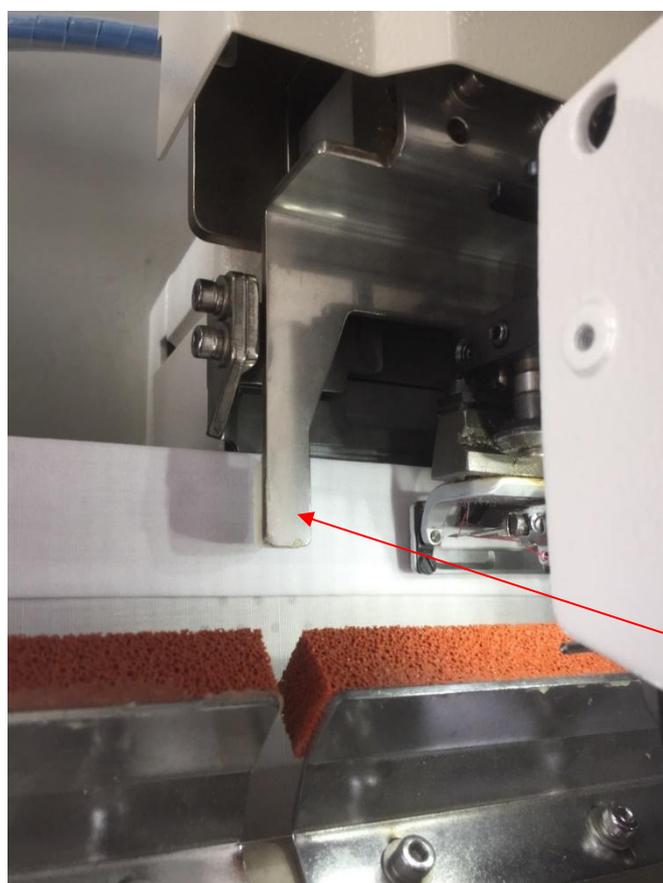
6.2.2. Touch screen single step operation

Place the cloth in place according to the requirements in 5.2.5, and click the , The pre feeding plate will send the cloth under the main pressing cloth assembly, as shown in the following figure:



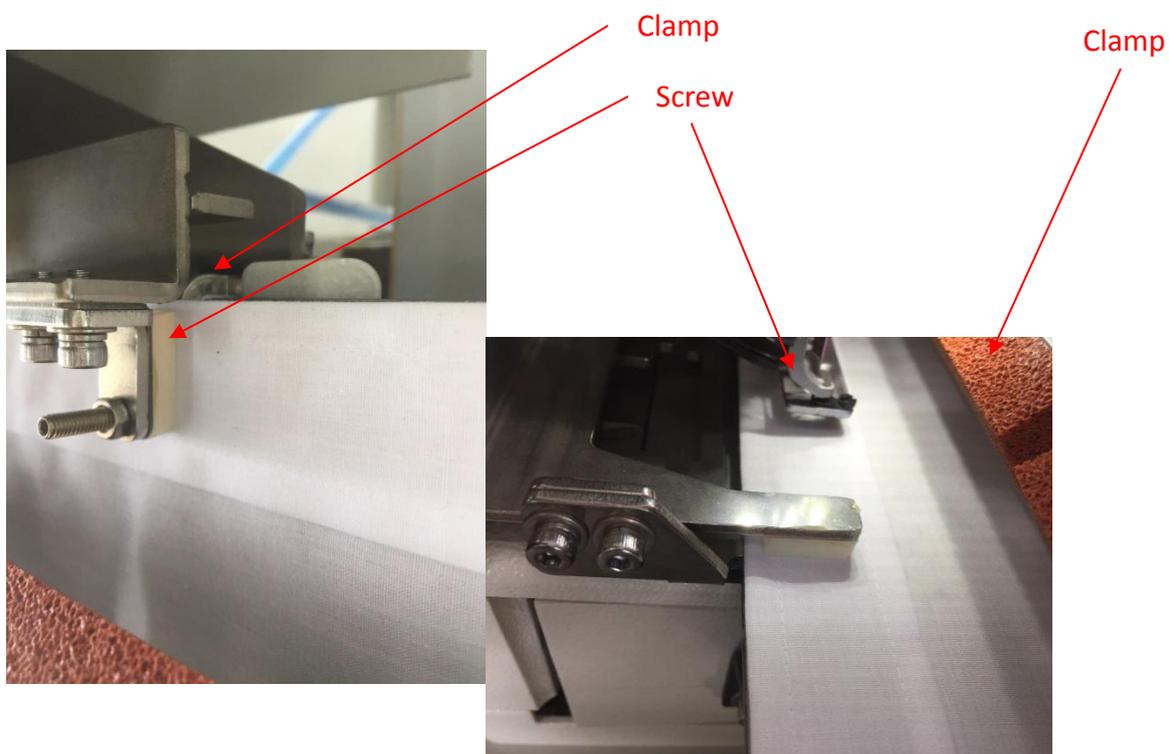
Main
pressing
cloth
assembly

Click on the 6.2.1 screen , The head cloth clamping mechanism is extended, as shown in the following figure:

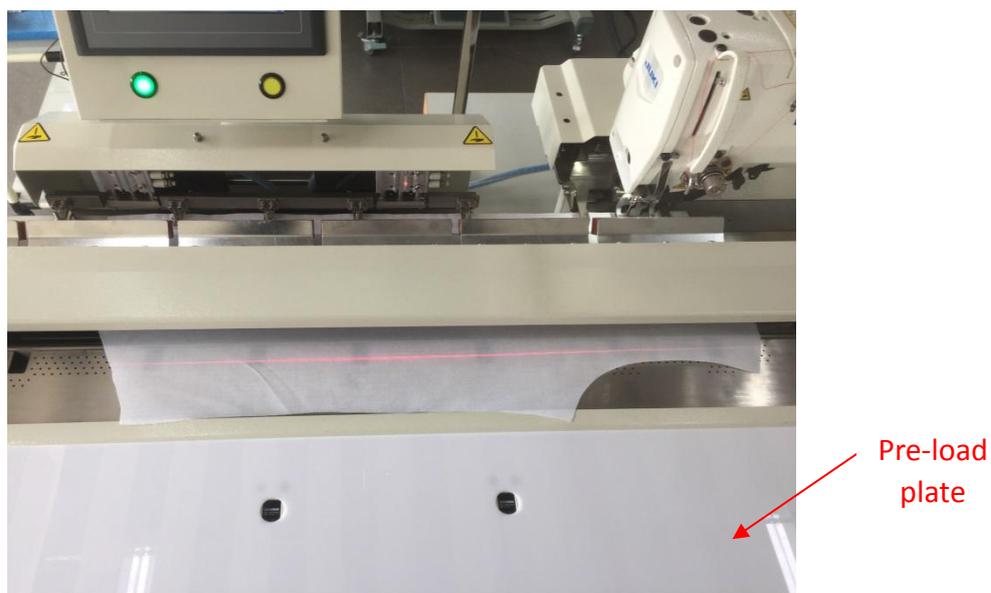


Head cloth
clamping
mechanism

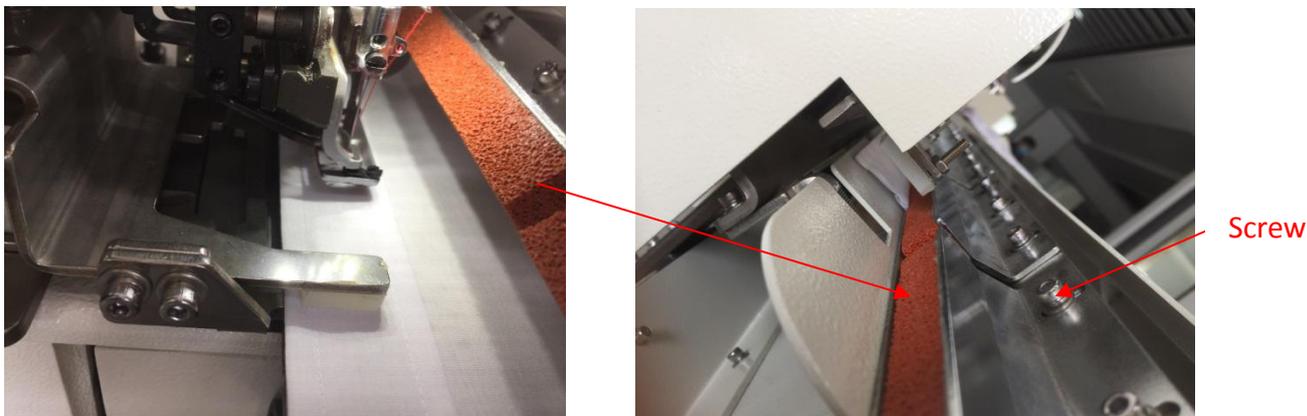
Click  on the 6.2.1 screen again, The head cloth clamping mechanism and the main pressing cloth assembly clamp down and clamp the cloth. In this case, pull the cloth flap by hand to see if it is pressed. If it is not pressed, adjust the screw until the flap is pressed, as shown in the figure below:

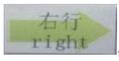


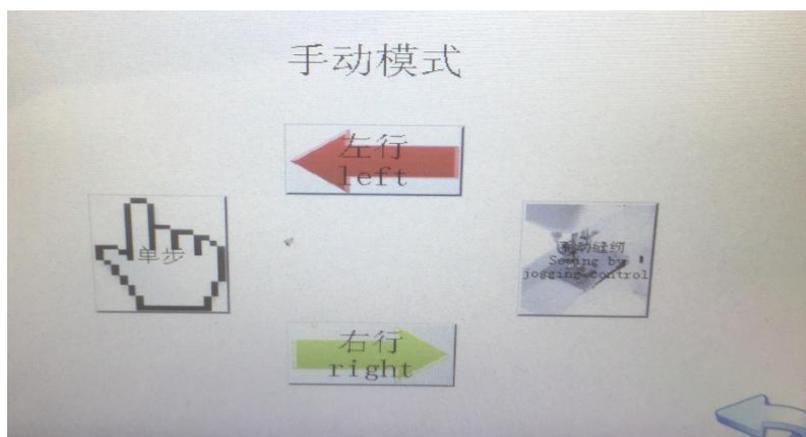
Click  on the 6.2.1 screen again, Return the pre-load plate to its original position, as shown in the following figure:



Click  on the 6.2.1 screen again, Press the cloth sponge down. At this time, pull the cloth piece by hand to see if it is pressed. If it is not pressed, adjust the screw until the flap is pressed, as shown in the figure below:



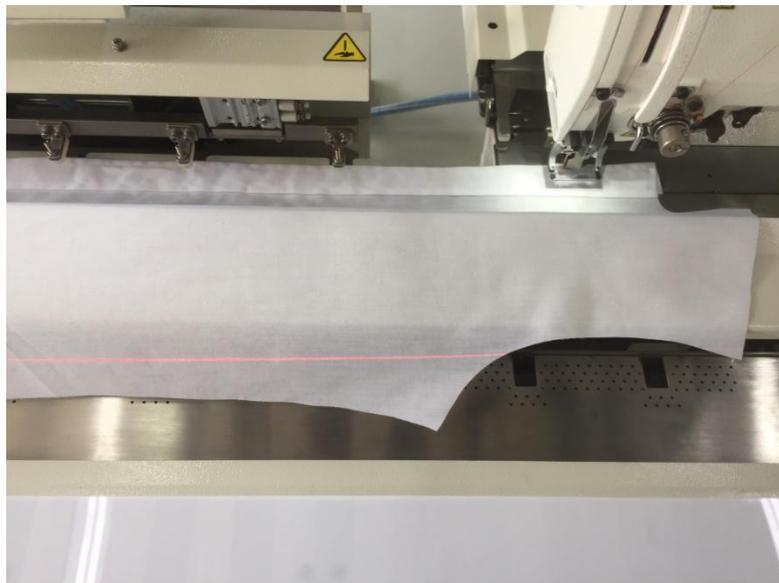
After the adjustment of sponge tightness is completed, click the , Let the machine empty feed the cloth until the material receiving is completed, as shown in the following figure:



At this time, the adjustment of the cloth clamping device is completed.

6.3. Manual test

When the machine head has been reset and the green origin reset button under the touch screen is flashing, place the cloth piece under the approximate position of the machine needle, as shown in the following figure:



Click the screen to enter the manual operation interface of 6.2.1, and click "manual sewing"

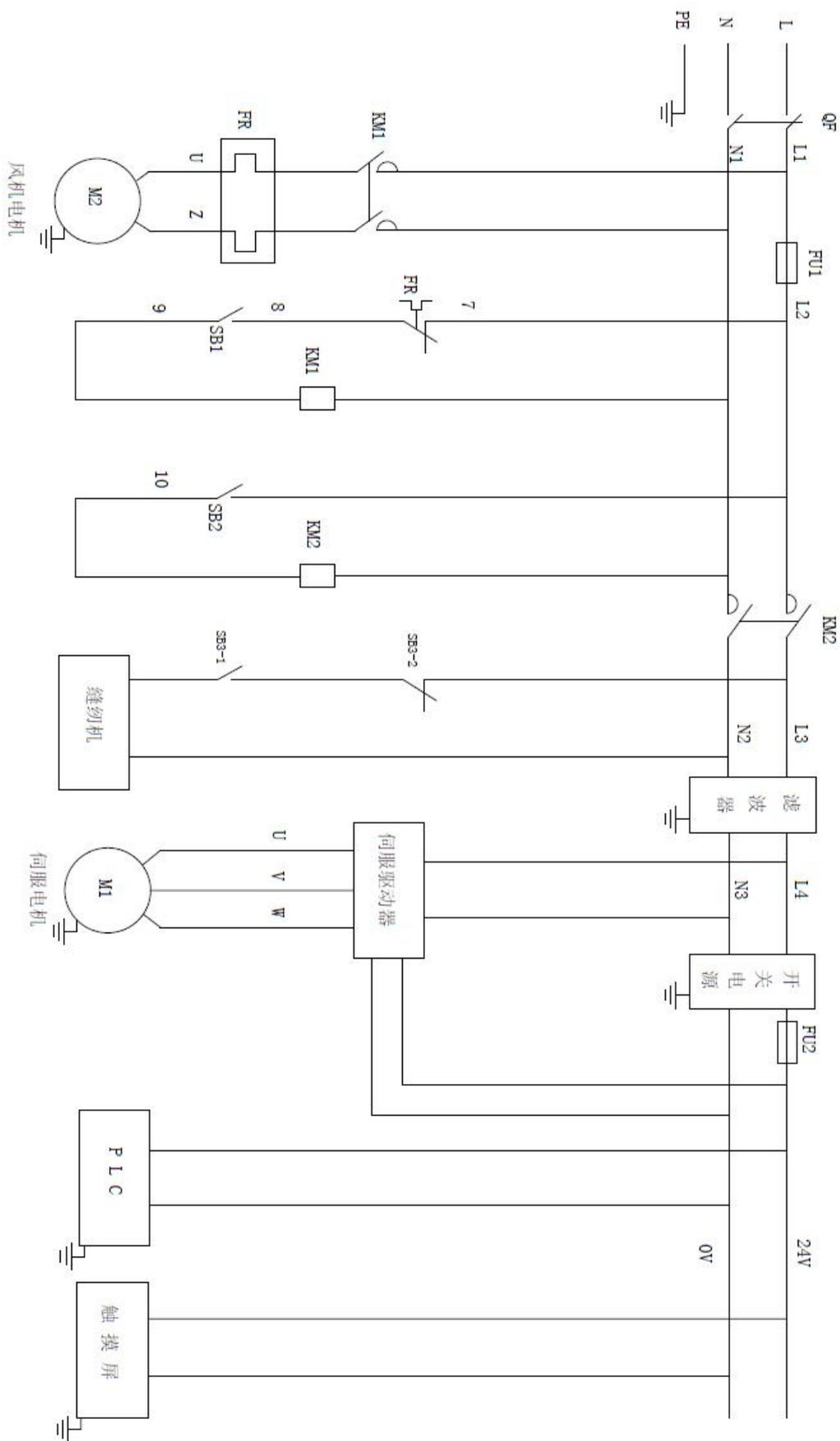


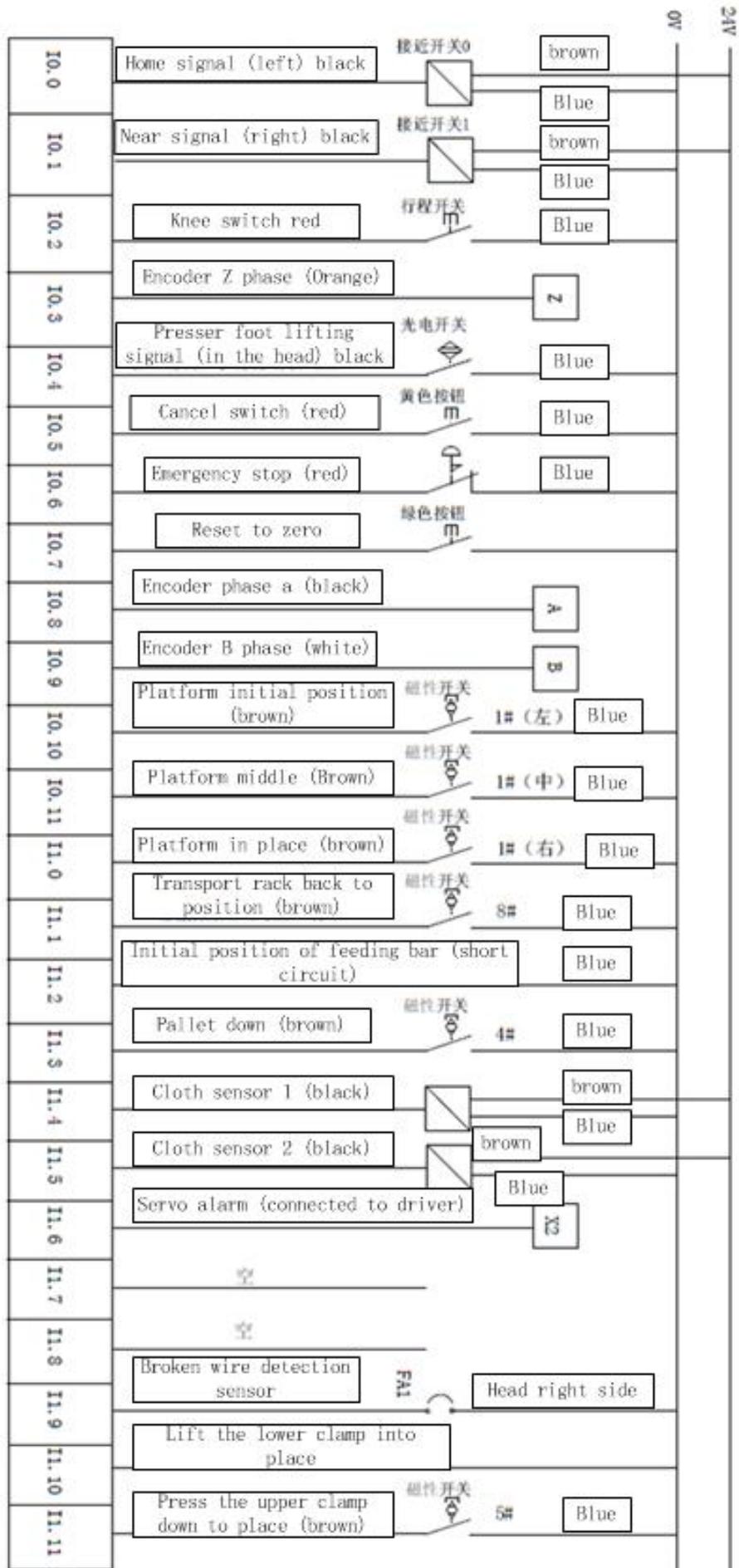
in the screen, The machine head starts to working, as shown in the figure below:

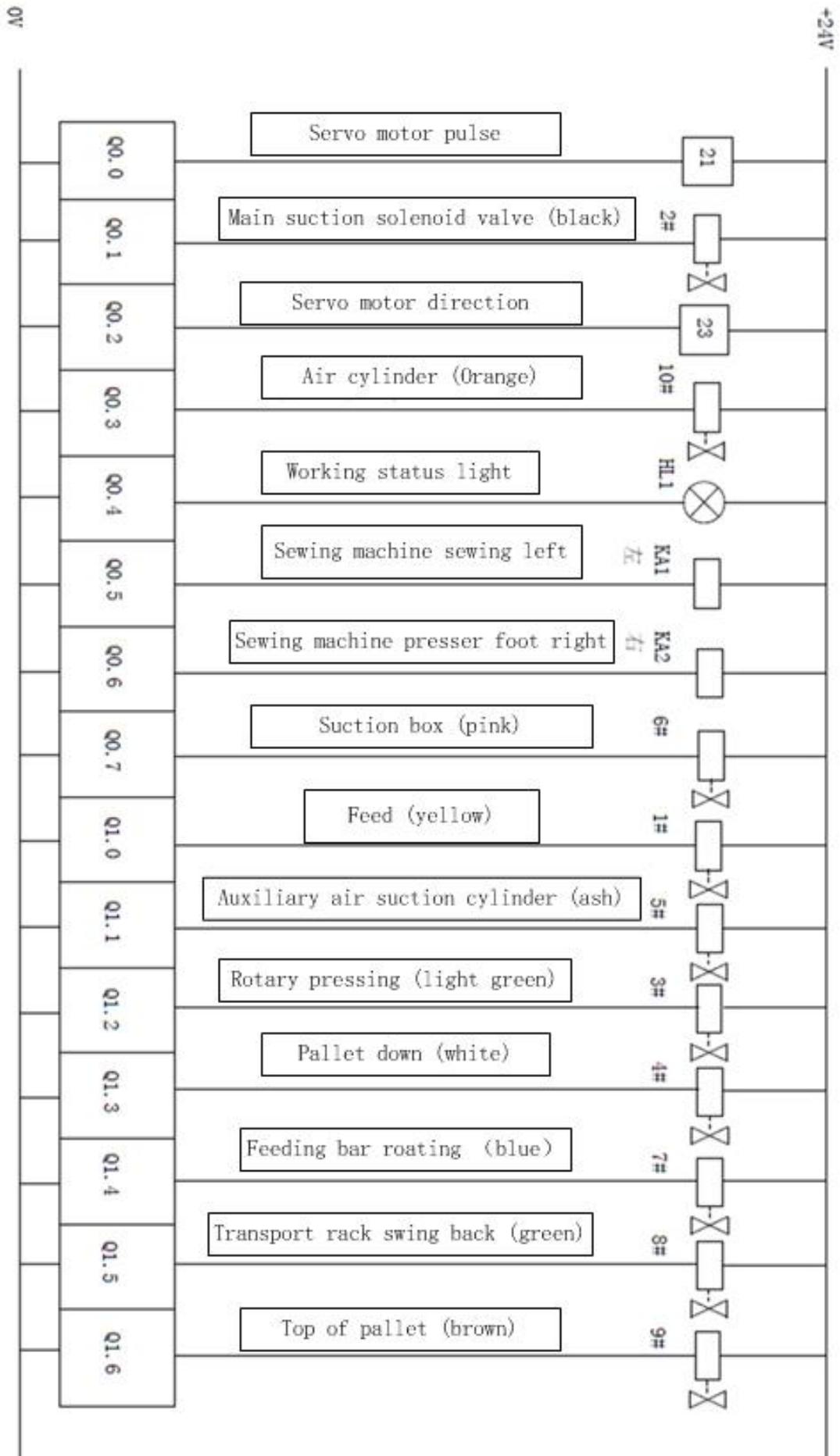


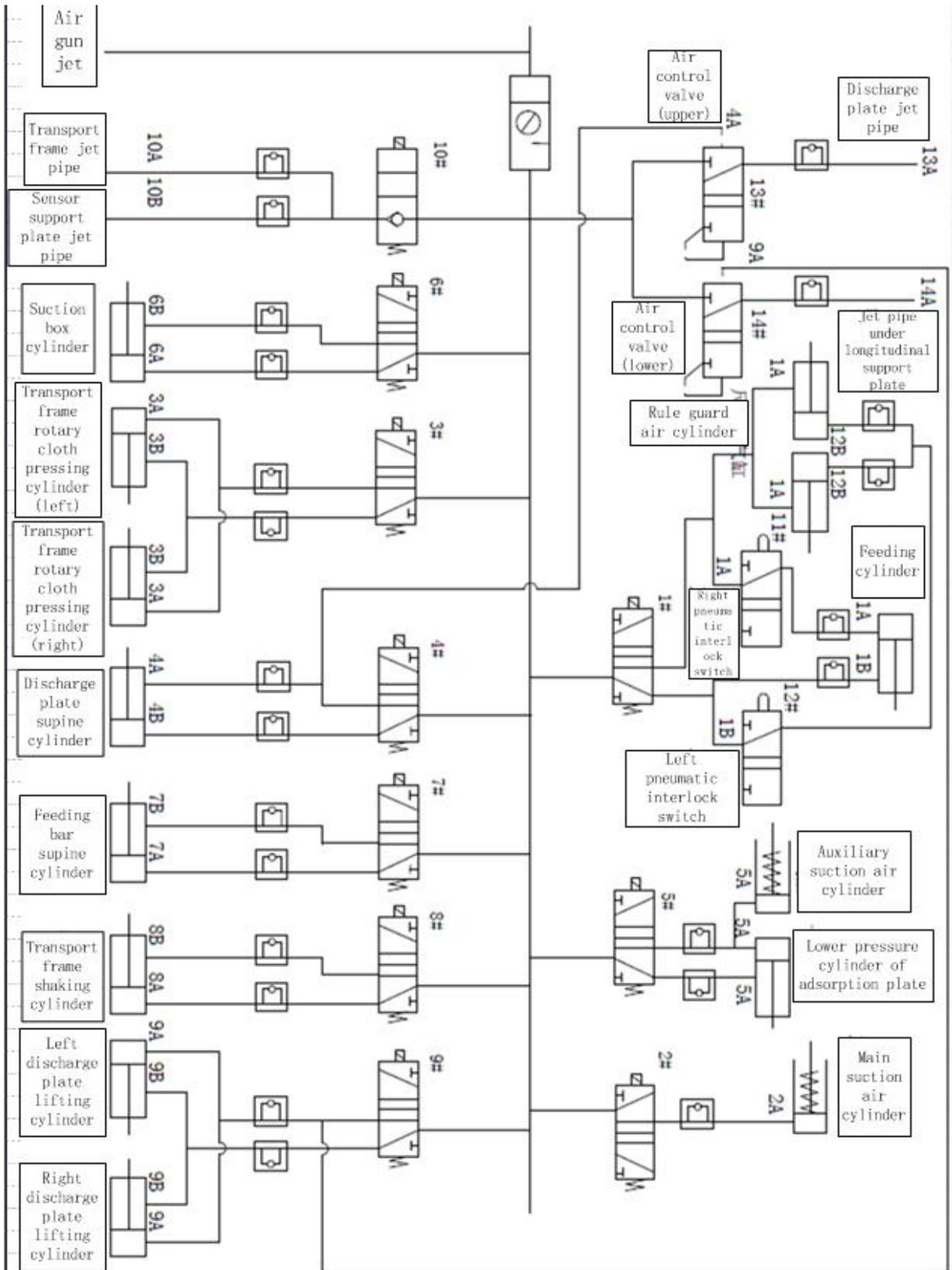
Click the back key in the screen continuously , Return to the start-up interface of 4.1. (7). A, and manually test complete

7、Electrical wiring









8、Accessories box details

	Item		QTY
1	《Instruction manual》		1
2	《Parts Manual》		1
3	《Touch screen interface operation instructions》		1
4	Thread stand	Head origin	1
5	Accessory Package	Head origin	1
6	Oil pot	Head origin	1
7	Engine oil	Head origin	1
8	Screwdriver	Head origin	1
9	Head cover	Head origin	1
10	Eye protector	Head origin	1
11	Instruction manual	Head origin	1
12	Handle		1

9、 Daily maintenance requirements

9.1. See the following table for the equipment maintenance list and requirements

9.2. Please refer to the instruction manual of Brother and Juki for other requirements on the maintenance of the head

No	Project	Frequency				Requirement
		Daily	Weekly	Monthly	Half year	
1	Clean up the dust	√				Remove dust from equipment surface and parts
2	Cleaning up oil pollution		√			Clean up oil stains on table board, needle board and shuttle core
3	The trachea interface			√		The air pipe interface is tight and does not leak air
4	The head oil			√		The amount of head oil shall not be lower than the warning line
5	The bobbin			√		Check the spindle for scratches
6	Sensors				√	Check whether the sensitivity is accurate and the position is changed
7	Sliding parts				√	Check the sliding parts for lubrication and add lubricant if necessary
8	Control box				√	Cooling fan operates normally, dust is cleaned promptly

10、 Knowledge product protection declaration

MB6003A is designed by Changzhou wisdom & valley Electric Technology Co., Ltd.。 The intellectual property rights of this achievement belong to Changzhou wisdom & valley Electric Technology Co., Ltd. and are protected by national intellectual property laws and regulations. Without the written permission of the right holder, the patented technology of the achievement shall not be implemented, and the information related to the achievement shall not be copied, sold or disseminated through the network. For any illegal infringement, Changzhou wisdom & valley Electric Technology Co., Ltd. will pursue its legal responsibility according to law.