

W1800 机型 自动铺布机操作手册

The Machine for W1800 model Operation Instruction



在操作机器前请详细阅读本手册 Read a handbook please detailedly before handling a machine

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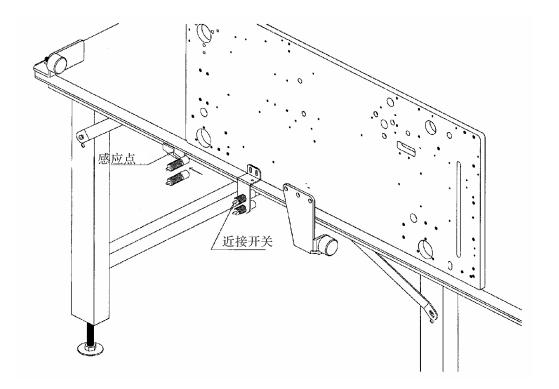
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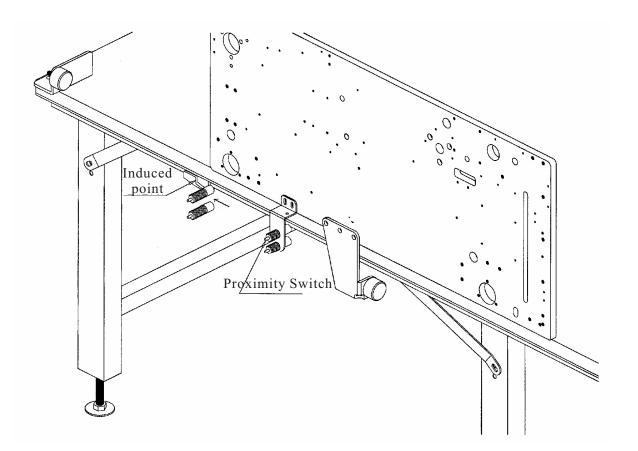
操作前注意:



当近接开关左行通过感应点时,现在位置归0。 此为机器计算位置的基准点。 每一次近接开关左行通过感应点时,都会把现在位置归0。 当一部机器使用二条以上裁床时,由A床移至B床后, 第一个必要动作是:接上电源——送电——压一下 🔀 (放开煞车), 轻推机器由右向左(由前向后),使近接开关通过感应点。 机器才能确定自己的基准位置。

机器行进中突然断电,机器会在无力状态下滑行停止。 因此,基准位置会跑掉而不在原来的位置,碰到这种状况,再送电后, 必须以寸动方式让机器回到原位,重新执行一次—— 接近开关,由右向左通过归零点,让机器重新确定自己基准位置。 注:上述二只近接开关中,一只为归"0"定位作用,一只为安全保护作用。只要其中任何一只 开关有故障,机器即停止不动作。





Pay Attention To Before Operation

When proximity switch goes to left and passes through induction point, the current position returns to 0. This is the benchmark point of machine calculating position.

Every time when proximity switch goes to left and passes through induction point, the current position will be returned to 0.

When a machine uses more than two cutting beds, after moving by bed A to B,

The first necessary action is: Connect power-power transmission-press it [1] (release the brake),

Gently push the machine from the right to the left (from the front to the back) to make proximity switch pass through induction point.

Then the machine can determine its own benchmark position.

For sudden power failure during operation, the machine will stop sliding under the weak status.

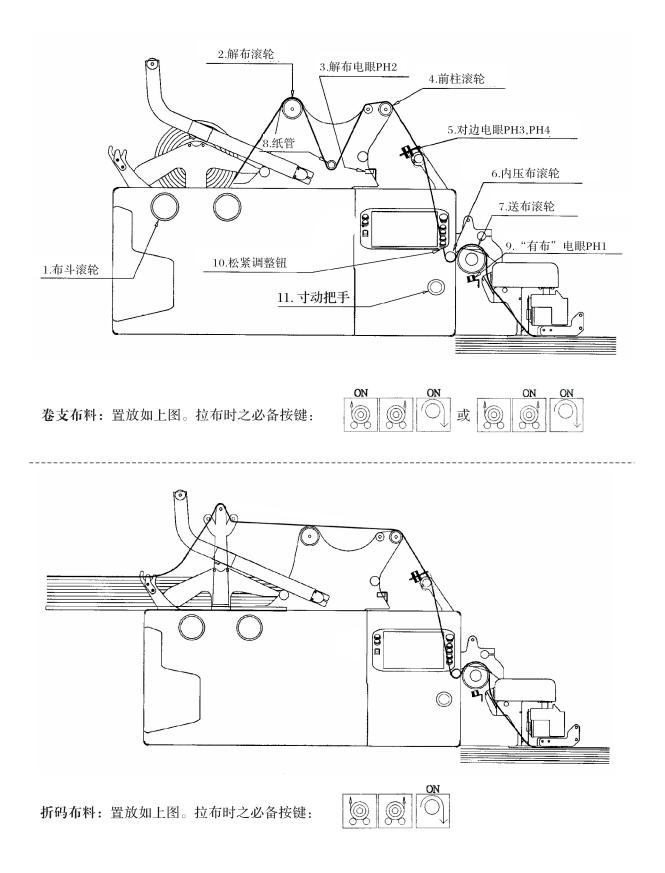
So, the benchmark position will run away and not in the original position, for this situation, after again power transmission,

Must let the machine return to original position by inch move way, and re-run again

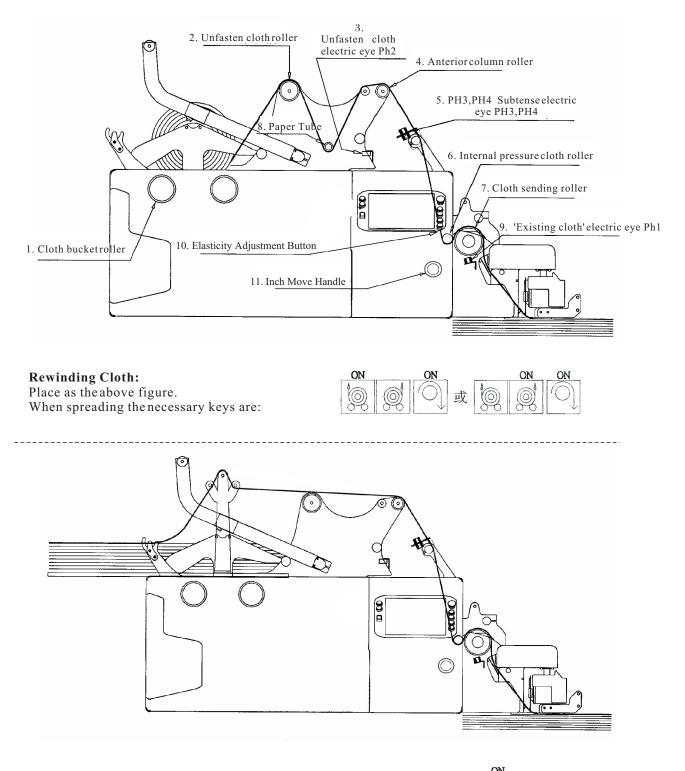
The proximity switch passes through return-to-zero point from the right to the left to let machine redetermine its own benchmark position.

Note: In above two proximity switches, one plays the roles of returning '0' and positioning, and another plays the role of security. The machine will stop and not act as long as any swithch is faulty.

正常操作:





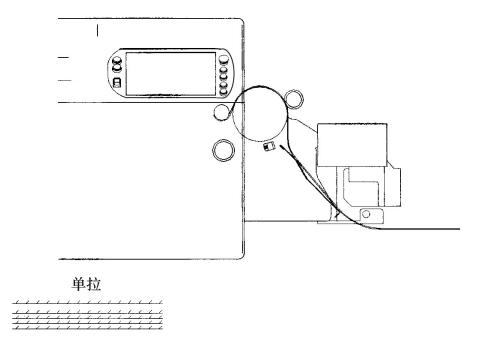


Folding yard cloth:

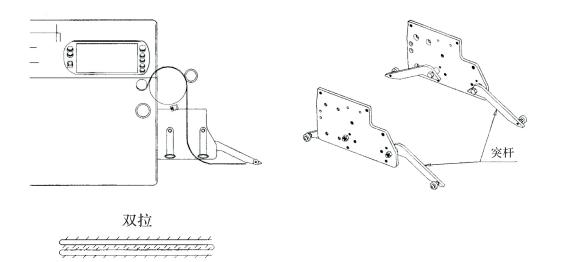
place as the above figure. When spreading the necessary keys are:



正常操作:

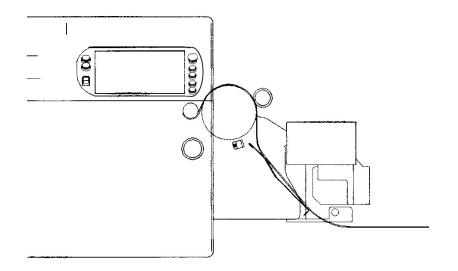


挂上切刀组,插上接头,拉布机自动进入<u>单拉</u>模式,不必再做其他设定。

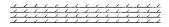


卸下切刀组,装上突杆,拉布机自动进入<u>双拉</u>模式。 <u>双拉</u>:需要用两端压布器,尾端压布器要往前推,用插稍固定在前方点。(尾端压布器单拉 时不用,要往后拉到底,固定在后方点。)

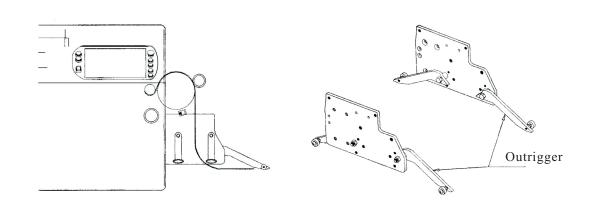




Single Spreading



Hang up cutting group and plug connector, the spreader will automatically enter into <u>Single Spreading</u> mode, and don't have to do any other setting.

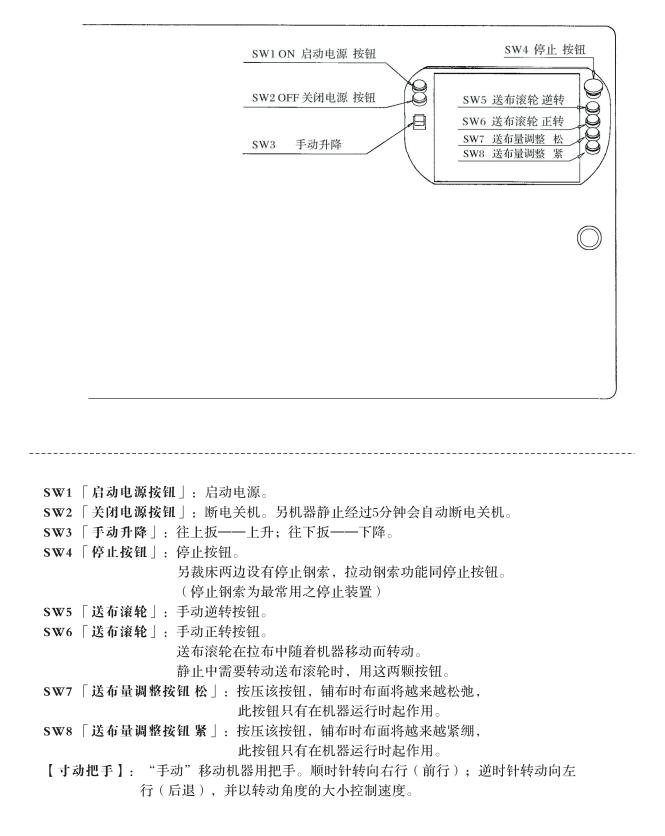


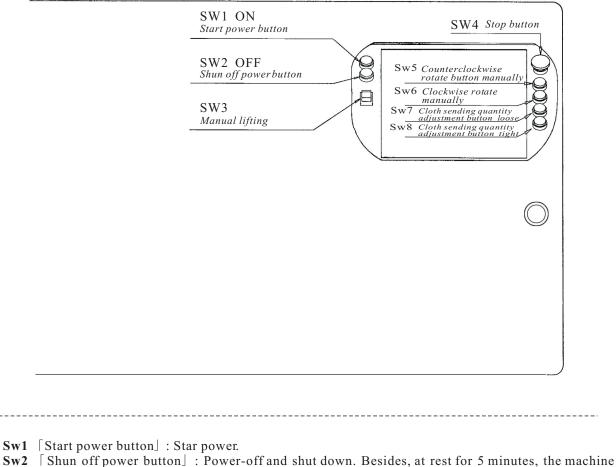
Double Spreading

Remove the cutting group and install the outrigger, the spreader will automatically enter into <u>Double Spreading</u> mode.

<u>Double spreading</u>: needs to use two-end pressure device, the back-end device should push forward and be fixed the front point with bolt. (For single spreading, not needs back-end device, when double spreading should pull to bottom and be fixed the back point.)

正常操作:





- **Sw2** | Shun off power button] : Power-off and shut down. Besides, at rest for 5 will automatically power-off and shut down.
- Sw3 [Manual lifting] : Pull upwards-rise; Pull downwards-fall.
- **Sw4** [Stop button] : Stop button.

Besides, two sides of cutting bed have set stop cables, pulling the cables is the same with pressing stop button.

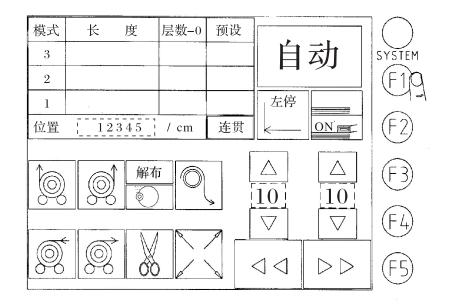
(Stop cables are the most commonly used stop devices)

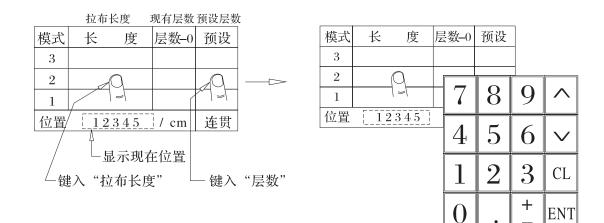
- **Sw5** [Cloth sending roller] : Counterclockwise rotate button manually.
- **Sw6** [Cloth sending roller] : Clockwise rotate manually.

During spreading, the cloth sending roller will rotate with the machine's movement.

Under the static status, if need to rotate cloth sending roller, please use these two buttons.

- Sw7 [Cloth sending quantity adjustment button loose] : Press the button, when spreading, the cloth will be more and more loose, the button only plays role when the machine operates.
- **Sw8** [Cloth sending quantity adjustment button tight] : Press the button, when spreading, the cloth will be more and more tight, the button only plays role when the machine operates.
 - [Inch move handle]: 'Manually' rotate machine's handle. Clockwise rotation for right movement, counter clockwise rotation for left movement, and control speedby rotation angle.

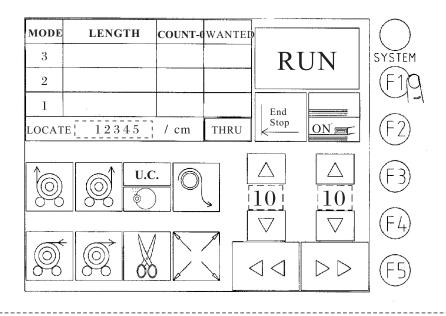


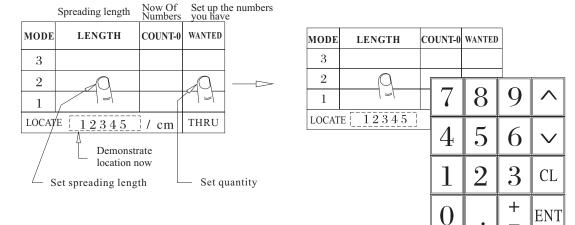


一 押一下,如右图出现数字键盘,键入所要数字后按ENT
 "拉布长度"单位: cm 1M=100cm linch=2.54cm
 单一模式拉布:「层数」到达「预设」值时停机。
 连贯模式拉布:所有「层数」到达所有「预设」值时停机。

				-	
	模式	长	度	层数0	预设
	3				
	2				
押住1秒钟	~l0		45		
	位 [「] 置 <u>[12345</u>]/ cm				
	── 现在位置				

教导模式:设拉布长度:在不知道确实的拉布长度时,将机器移到所要位置后,如图,压住模式格11秒钟,现在 位置值会被设入模式11的拉布长度内。 模式21和模式31可依此方法设入拉布长度。





Press it and display digital keyboard as the right figure, input the desired figure and press ENT Spreading length Unit: cm 1M=100cm linch=2.54cm

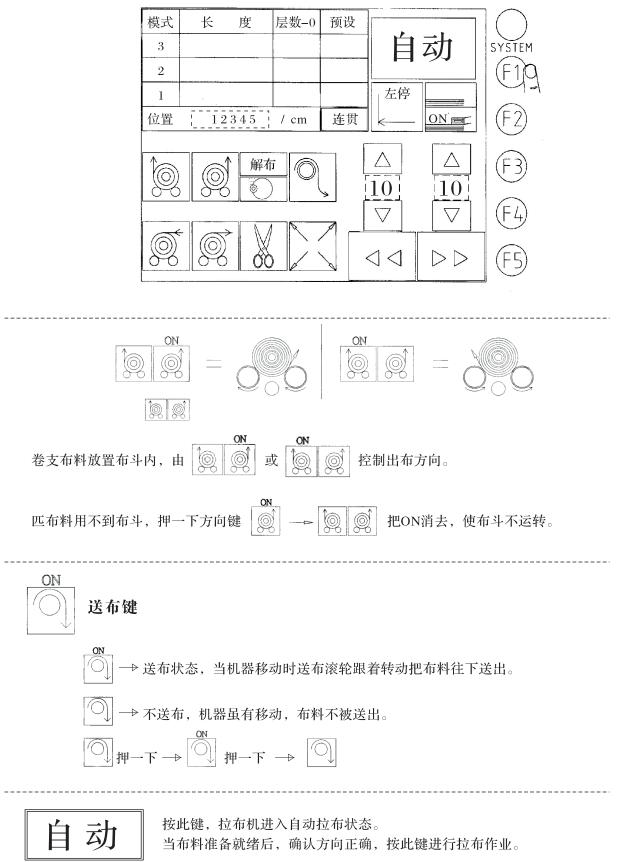
Single spreading mode: When [COUNT-0] achieves [WANTED] value, the machine will stop. **Continuous spreading mode**: When all [COUNT-0] achieve [WANTED] value, the machine will stop.

	MODE	LENGTH	COUNT-0	WANTED
Press it one second	3			
	2			
	⊳lଠ	12345		
	LOCA	ге <u>1234</u>	5]/ cn	1
		Demonstrate location now		

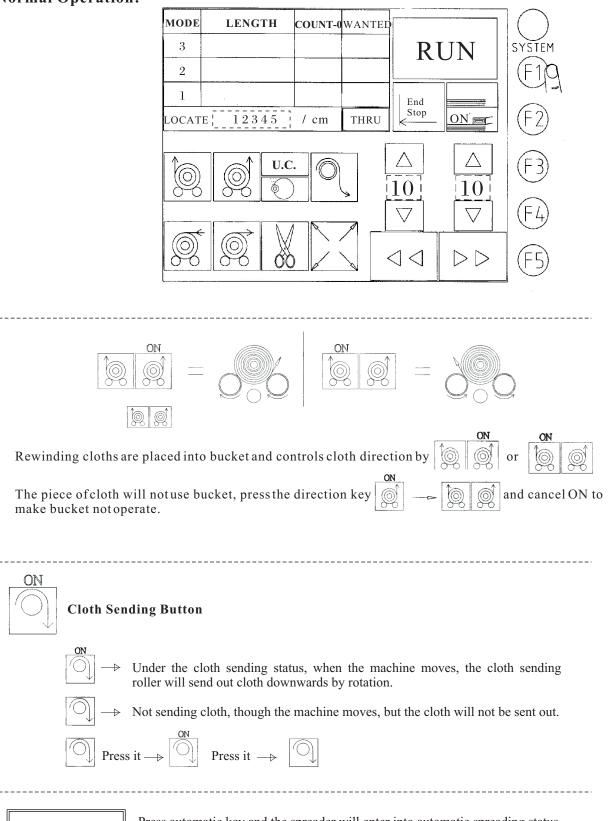
Techning mode: Set spreading length: when doesn't know the exact spreading length, press mode 1 for 1 second after moving the machine to the desired position, as shown in the figure, and now, the position value will be set in mode 1 's spreading length.

Mode 2 and 3 can be set in spreading length according to this method.

正常操作:



RUN



Press automatic key and the spreader will enter into automatic spreading status.

When the cloths are all set, confirm the direction be correct and then press the key to spread.

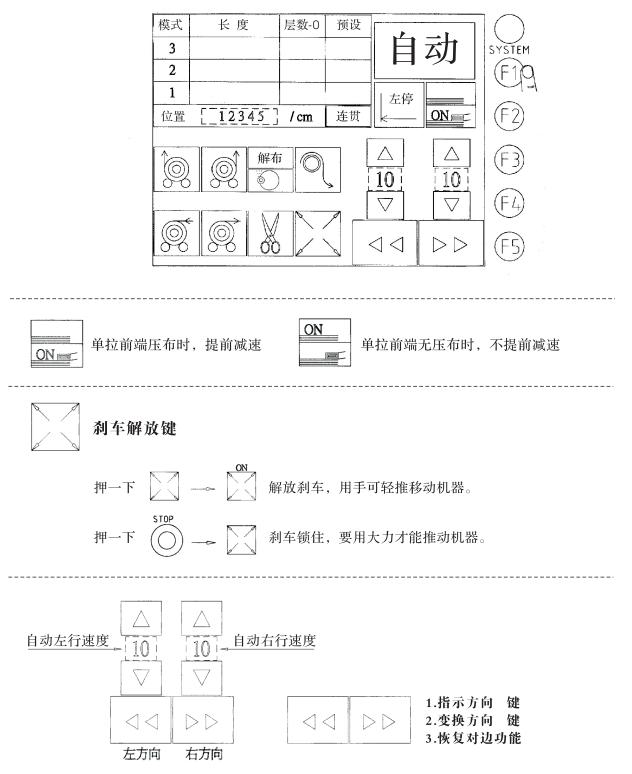
工農場ル

止 常 操作:

回收 寸动 布斗滚轮"手动"键 押住 0 时,布料低速卷回。押住 0 时,布料低速卷出。
解布 解布键 _{压一下} 解布 → <u>解布</u> 解布報转动锁定。 _{压一下} <u>解布</u> → 解布 解布報停止锁定。
 研磨键 押一下 ○ → ○ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □

Normal Operation:	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
If the cutter he make the head	BUTTON to carry out cutting action for one time. ead doesn't stop at fixed position due to emergency stop, press to d return to fixed position. to he cutting button for manual cutting, the layer number value is unchanged.
V V V	Ioth bucket roller 'Manual' key /hen press Image: Contract of the cloth will roll back with low speed. When press Image: Contract of the cloth will roll back with low speed. Image: Contract of the cloth will roll back with low speed. Image: Contract of the cloth will roll back with low speed.
U.C. Relieve lock-in key	Press $U.C. \rightarrow IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII$
The key of Knife stone	Press \bigcirc <th< th=""></th<>

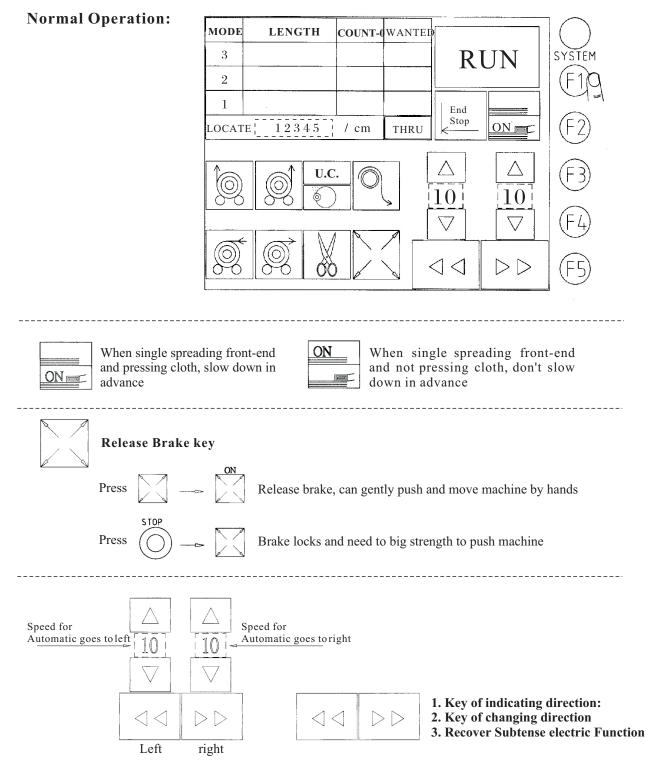
正常操作:



1、指示方向键:闪烁的一方代表机器要移动的方向,压 自动时机器往该方向移动。

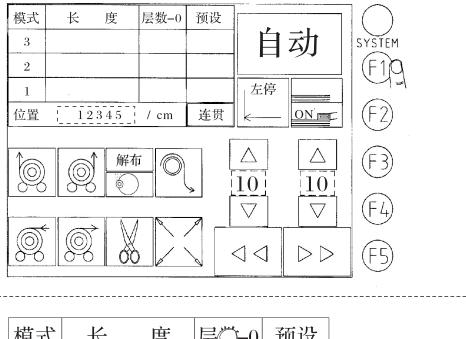
2、变换方向键:压一下无闪烁键,可改变指示方向。

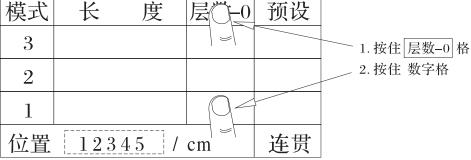
3、主机寸动键:压住按键0.3秒后机器以寸动速度移动,欲短距离移动机器时使用之。



- 1. **Key of indicating direction:** The flashing place stands for the direction of machine moving to, when pressing RUN the machine moves to this direction.
- 2. Key of changing direction: Press flashing-free key to change indication direction.
- **3. Host machine inch move key**: Press the key for 0.3 second and the machine will move by inch move speed, this way can be used for moving machine within short distance.

正常操作:





1.按住层数-0格0.5秒,可让所有层数格归0。

2.按住数字格 0.5秒, 可让该数字格归 0。未使用模式的预设格请键入 0。

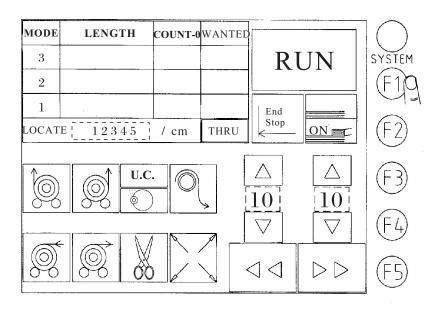
模式	长 度	层数0	预设
3	0	0	0
2	0	0	0
1	780.5	0	210
位置	12345	/ cm	连贯

单一模式拉布请使用1模式操作。 拉布模式:拉布长度遇有长短码时,可预设第 2-3种长度和层数。

预设		预设
20		20
20		20
30		30
连贯		连贯
	-	

P

开启连贯拉布功能,机器依模式123顺序走完设有预设值的所有 模式后停机。



MODE	LENGTH	CC F-0	WANTED	
3				1. Press layer number-0 grid COUNT-0
2				2. Press figure grid
1		04		
LOCATE	12345 /	cm =	THRU	

- 1. Press COUNT-0 grid for 0.5 second to let all layer number grids return to 0.
- 2. Press for 0.5 second to let the grid retun to 0. Please input 0 for unused mode default grids.

MODE	LENGTH	COUNT-0	WANTED
3	0	0	0
2	0	0	0
1	780.5	0	210
LOCATE 12345 / cm THRU			

 WANTED
 WANTED

 20
 20

 20
 20

 30
 30

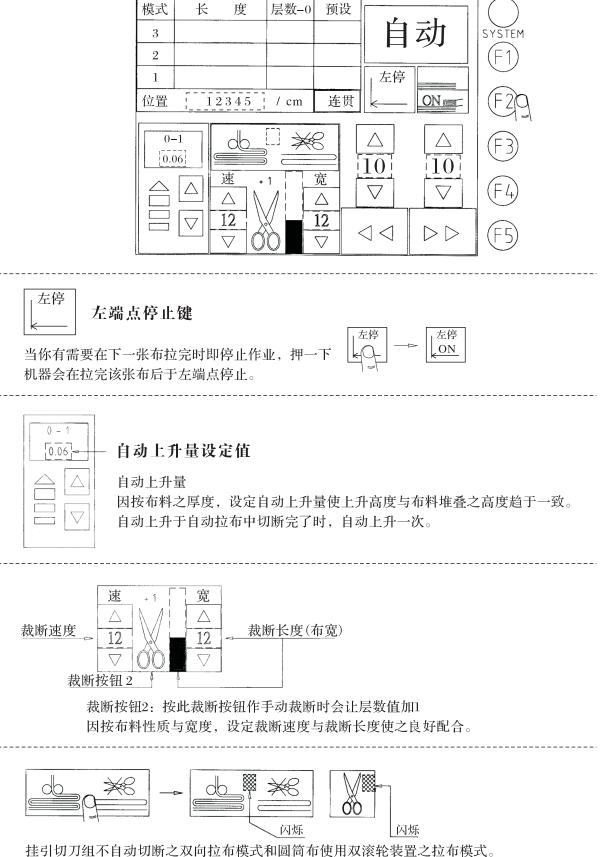
 THRU
 THRU

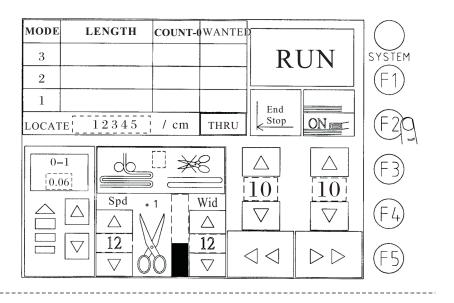
For single mode spreading, please use Mode 1.

Spreading mode: when spreading length has long and short yards, can preset Mode 2-3 length and layer number.

Start thru spreading functions, the machine will pass through all modes of having set preset value according to mode 123, then stop.







End

8 pp

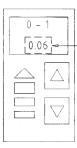
Glimmer



Left-end Point Stop Key

If you need to stop operation when completing the next cloth, press machine will stop at left-end point after completing this cloth.

End Stop	
ON	and the

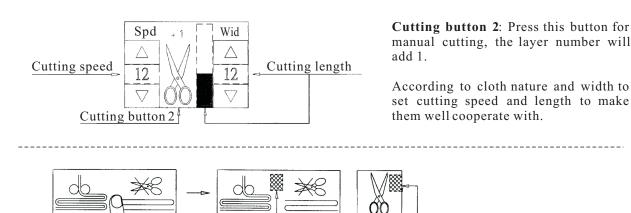


Set Value Of Automatic Rising Quantity

Automatic rising quantity.

According to cloth thickness to set automatic rising quantity to make rising height is consistent with cloth stack height.

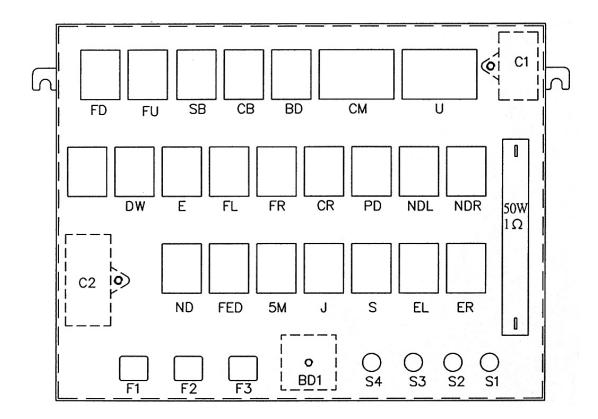
Automatic rising will automatically rise one time when completing cutting during automatic spreading.



Double spreading mode of hanging cutter group not automatically cut, and spreading mode of cylinder cloth using double-roller device.

Glimmer

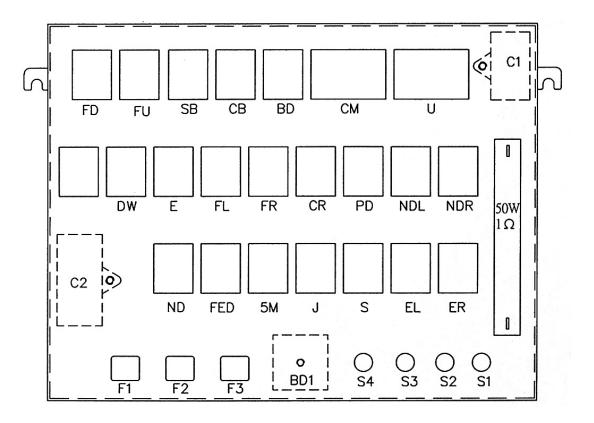
故障:



F1——圆刀马达	电路保护器
F2—DC24V	电路保护器
F3——对边马达	电路保护器

电路保护器于过电流时会跳脱,押回后再试用,如不再跳脱,则可安心继续操作。 如一再跳脱,有可能短路,或电路保护器本身故障。 K topcut [®]

Faults



F 1——Round knife motor Circuit protector

F2—**DC24V** Circuit protector

F3——Opposite side motor Circuit protector

For overcurrent, the circuit protector will jump, after pressing back and again tries out, if not jump, can safely continue to operate.

If over and over again jump, maybe have a short circuit, or the circuit protector itself has faults.

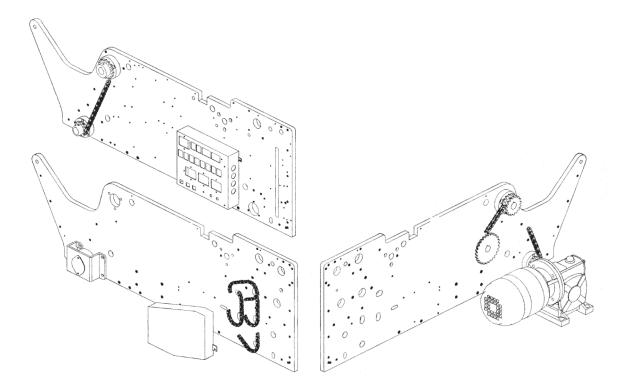
简易故障排除

状 况	原 因	对 策
裁断刀片不转动	1、电路保护F1跳脱 2、继电器CR接点烧毁 3、马达碳刷或转子磨损	 1、押回再试,正常则继续使用。如一再 跳脱,有可能短路,或电路保护器本 身故障。 2、更换继电器 3、马达寿命约1.5-3年,建议整个马达更 换。
对边布料台不动	1、电路保护器 F3 跳脱 2、继电器ER EL接点烧毁 3、对边马达故障	 1、押回再试,正常则继续使用。如一再 跳脱,有可能短路,或电路保护器本 身故障。 2、更换继电器 3、此马达在未遭撞击情况下不易故障。
无法开启电源	 1、电磁接触器(零件号码: P7/30778)内热 电译跳脱 2、机器外电源断路 	 1、掀开电磁接触器外壳,押一下后归杆 即可。 2、用电表循线测查。
押 <u>自动</u> 不能自动行走	OP继电器异常。 在送电中OP必处于ON (吸磁)状态, 押钢索 ↓ 让OP断电 ↓ 机器停止 ↓ OP持续断电=不能自动行走	OP电源经由紧急停止钢索端的限制开关 而来, 1、检查有无布削包或台车之类压到钢索。 2、钢索端的限制开关角度偏差过大或故 障。 3、参考P/14循线检查有无断线 1.轴心 2.螺丝 用开关角度偏差过大时放松 2.螺丝 再重销让 1.轴心再弹回原点。

Simple trouble removal

Problem	Cause	Countermeasures
Cutter blade doesn't rotate	 Circuit protector F1 jumps Relay CR connection point is burned Motor carbon brush or rotor is weared 	 Press back and again try out, if normal, continue to use. If over and over again jump, maybe have a short circuit, Or the circuit protector itself has faults. Change relay
Cloth table of opposite side doesn't operate	 Circuit protector F3 jumps Relay ER EL connection points are burned Opposite side motor is faulted 	 Press back and again try out, if normal, continue to use. If over and over again jump, maybe have a short circuit, or the circuit protector itself has faults. Change relay Under the situation of not been hit, the motor is difficult to fault.
Can not start power	 Electromagnetic contactor (part No.: P7/30778) thermal overload relay jumps External power of machine opens circuit 	 Open electromagnetic contactor's peripheral, press and then return pole. Measure and check with ammeter following the circuit.
Press <u>RUN</u> but can't toggle autorun	During power transmission, OP must be in ON (magnetic absorption) state. press cables ↓ let OP interrupt ↓ machine stops ↓ OP continues to interrupt and can not toggle autorun	Countermeasures: OP power comes from limit switch of emergency stop cables end. 1. The axle center 2. Again re-bolted 1. Check whether the cloth cutting package or trolley, etc. are press the cables. 2. Angle deviation of cables end limit switch is too large or fault. 3. Refer to P/14 to check whether has breakage following the circuit, loosen when the angle deviation of limit switch is too large. The screw of Figure 2 is again re-bolted. The axle center of Figure 1 is again jumped back to the origin.

保养

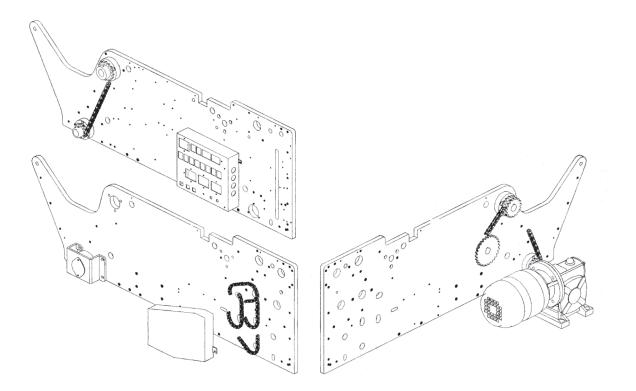


基本保养:

- 链条:加油与调整松紧
 链条加油以40#机油为宜,每2个月加油一次,注意不可过量,避免油污。
 链条如果失油,容易磨损。
 (上图示链条为必须加油之链条,其他链条请勿加油)
- 2. 清除积尘
 一个星期至少以风枪清洁一次,清洁是工作品质的第一步。
- 清除轮子表面污垢
 轮子表面污垢多为积尘附着,积尘一多容易打滑,造成长度不准。



Maintenance:



Basic Maintenance

1. Chain: Add Lubricant And Adjust Elasticity

For lubricant of chain, 40# machine oil is advisable, adding once every 2 months, note not excessive to avoid greasy dirt.

If lacking ofoil, the chain is easy to wear.

(The above figure's chain is the chain must add oil, don't add for the other chains)

2. Clean Dust

One week at least clean once with air gun and cleaning is the first step of high-quality work.

3. Clean surface dirt of wheels

The surface dirt of wheels is attached dirt, more dirt easily causes slip to make length not accurate.