

Interlock series manual V1.0

1. Safety instruction

Please read the operation manual and related sewing machinery datasheet carefully before correct use.


1.1 (1) Power voltage and frequency: please refer to motor and control box nameplate.

(2) Interference from electromagnetic wave: please keep far away strong magnetic or high radiation environment in order to avoid obstructions and make to misoperation.

(3) Grounding: to avoid the noise obstructions or leakage of electricity accident(including sewing machine, motor, control box and positioner).

1.2 Please make sure power off at least 1min and then can open control box cover, because there are dangerous high voltage.

1.3 Please turn off the power while repairing or wearing needle in order to protect operator's safety,

1.4  Used where potential dangers exist.

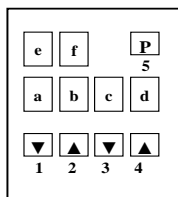
 Used where high voltage and electric danger exist.

1.5 Product warranty period of one year on condition that this machine is operated correctly and no man-made damage.

2. Operation panel instruction

2.1 The control box operation panel describe

As shown in the right figure.



2.2 sewing function setting

Operation panel default mode:

Needle position, trimming, start bartack and end bartack

1: choice of needle position a: 0 up needle position; 1 lower needle position

2: choice of trimming b: 0 no-trimming trimming 1 trimming

3: choice of start bartack c: 0 no; 1 AB double; 2 ABAB four

4: choice of end bartack d: 0 no; 1 CD double; 2 CDCD four

2.3 Function parameter setting

Press the P key long to enter the function parameter setting state at the default interface.

Abcd postion show parameter value, can be modified by the key 34; ef postion show parameter index, can be modeified by key 12.

Press P can save the current parameter values, then exit the parameter setting mode. Press 1234 key short time, then update every time, press long time, update continuance and faster.

Note: When the system is running, can not enter the parameter setting mode; unless you exit the parameter setting mode, otherwise the system can not run.

2.4 System monitor state

Press the P key, at the same time press key 1, can enter this interface at the default interface.

| JJ | Work pieces | DX | Bobbin thread value | 1 | Motor speed | 2 | Motor current | 3 | Bus voltage |
|----|---------------|----|---------------------|---|-------------|---|------------------|---|---------------|
| 4 | Pedal voltage | 5 | mechanical angle | 6 | motor angle | 7 | Software Version | 8 | machine model |

3. Error codes

| Error Code | Contents | Possible reasons | Checking and treatment |
|------------------------------|---------------------------|--|---|
| E011 E012 E013 E014 | Motor signal error | Motor position sensor signal failure | If electric engine plug is well contacted; if electric engine signal detecting device has been broken; if sewing machine handwheel correctly installed. |
| E015 | Model type error | Unable identify operating box model type | Check operating box |
| E021 E022 E023 | Motor overload | motor stall motor overload | If electric engine plug is well contacted; if machine head or thread-cutting mechanism has been blocked completely; f materials are too thick; Electrical signal detection signal whether the normal. |
| E101 | Hardware drivers fault | Current detection abnormal Driving hardware error | Current detection loop system is working properly; Whether the damage to the device driver. |
| E111 E112 | Voltage too high | High input voltage Brake circuit fault Voltage detection error | System into line voltage is too high; Braking resistance are working properly; System voltage detection circuit are working properly. |
| E121 E122 | Voltage too low | Actual low voltage Voltage detection is wrong | If the voltage on the inlet wire is too low Whether the system voltage detection circuit the normal work. |
| E131 | Current circuit fault | Current detection abnormal | Current detection loop system is working properly. |
| E133 | Oz circuit fault | Oz circuit fault | Oz circuit system is working properly. |
| E151 | Magnet circuit error | Over current magnet circuit | If machine head magnet suffers short circuit; Electromagnet circuit is working properly. |
| E201 | over current | Current detection error | Current detection loop system is working properly; Electrical signal is normal. |
| E211 E212 | Abnormal motor operation | Current or voltage detection error | If electric engine plug is well contacted; If electric engine signal is matched. |
| E301 | Communication error | Sci circuit error | if operation box plug is well contacted; if operation box components are damaged. |
| E302 | Operation inner failure | Sci circuit error | To check whether the operating box is damaged. |
| E402 | Pedal ID fault | Pedal verification fault | Pedal connection is loosen. |
| E403 | Pedal zero position fault | The pedal zero position over range | The pedal is damaged or it is not under stop state when correction. |
| E501 | Safety switch fault | Safety switch effective | Put down the head or check turned up switch. |
| P.oFF | Power off Display | Power off | Wait for power supply to resume. |

Note: 1. Sewing abnormal action (speed electromagnet work abnormal) : in the control interface view model is correct;

2. Turn up E501 fault when: sure it is normal to switch detection, temporary use can change the P-28 parameters;

3. If the above according to check the project cannot rule out fault, please seek technical support.

4. System parameter sheet

BEN: interlock BEN2: cylinder bed interlock sewing machine

BAO: overlock PIN: lockstitch

| No | Project | Content | Applicable models | Setting range | The default value | Level |
|----|---|--|-------------------|----------------|-------------------|-------|
| 1 | Pedal the fastest | Set the maximum speed of the pedal | BEN BEN2 | 200~6000 (rpm) | 4000 | I |
| | | | BAO | 200~9000 (rpm) | 5000 | |
| | | | PIN | 200~5000 (rpm) | 2000 | |
| 2 | Soft-start function | Low-speed sewing needle sewing start function 0: No soft-start function 1~9: Soft start stitches | BEN BEN2 BAO PIN | 0~99 | 3 | I |
| 4 | Fixed-length seam maximum speed | Set as long slit maximum speed | BEN BEN2 BAO | 200~5000 (rpm) | 3500 | I |
| | | | PIN | | 2000 | |
| 5 | Sewing mode | The sewing mode setting (without a nose operation box) 0: Free sewing; 1: Simple Sewing; 2: Fixed stitches; 3: Overlapped sewing | BEN BEN2 BAO PIN | 0~2 | 0 | I |
| 10 | The number of steps of the fixed stitches | The number of steps of the fixed stitches (without nose operation box) | BEN BEN2 BAO PIN | 1~7 (SEGMENTS) | 1 | I |
| 11 | Step 1 stitches | | BEN BEN2 BAO PIN | 1~99 (NEEDLE) | 15 | I |
| 12 | Step 2 stitches | | BEN BEN2 BAO PIN | 1~99 (NEEDLE) | 15 | I |
| 13 | Step 3 stitches | | BEN BEN2 BAO PIN | 1~99 (NEEDLE) | 15 | I |
| 14 | Step 4 stitches | | BEN BEN2 BAO PIN | 1~99 (NEEDLE) | 15 | I |
| 15 | Step 5 stitches | | BEN BEN2 BAO PIN | 1~99 (NEEDLE) | 15 | I |
| 16 | Step 6 stitches | | BEN BEN2 BAO PIN | 1~99 (NEEDLE) | 15 | I |
| 17 | Step 7 stitches | | BEN BEN2 BAO PIN | 1~99 (NEEDLE) | 15 | I |
| 18 | The fixed stitches one-shot mode | The fixed stitches one-shot mode (without nose operation box set) 0: Invalid 1: Effective | BEN BEN2 BAO PIN | 0/1 | 0 | I |
| 21 | Soft-start speed 1 | The first stitch speed | BEN BEN2 BAO PIN | 100~3000 (rpm) | 600 | I |
| 22 | Soft-start speed 2 | The second stitch speed | BEN BEN2 BAO PIN | 100~3000 (rpm) | 1000 | I |
| 23 | Soft-start speed 3 | The third stitch speed | BEN BEN2 BAO PIN | 100~3000 (rpm) | 1500 | I |
| 24 | Pressure decreased Jiaoruan function | Prevent damage to the fabric, slowing down the rate of decline of the presser foot set 0: Invalid 1: Valid | BEN BEN2 BAO PIN | 0/1 | 0 | I |
| 25 | Presser foot lift to enable | Presser foot lift enable set 0: Invalid 1: Valid | BEN BEN2 PIN | 0/1 | 1 | I |
| | | | BAO | | 0 | |
| 26 | Enable automatic presser foot lift | Automatic presser foot lift can be set 0: Invalid 1: Shut down automatically when the presser foot lift | BEN BEN2 BAO PIN | 0/1 | 0 | I |
| 27 | Power-positioning | Power-on timing head first needle position automatic operation function is set 0: Invalid 1: Valid | BEN BEN2 BAO PIN | 0/1 | 0 | I |
| 28 | Raising the safety switch signal mode | Head turned lift or safety switch signal mode is set 0: Normally open 1: NC 2: remove protection | BEN BEN2 | 0/1/2 | 1 | I |
| | | | BAO PIN | | 0 | |
| 29 | The pressure decreased Jiaoruan time | The pressure decreased Jiaoruan (the longer the presser foot drop, the slower time setting) | BEN BEN2 BAO PIN | 50~500 (ms) | 300 | I |
| 30 | Unit of bobbin thread counting down | Unit of bobbin thread counting down 0: Invalid 5/10/15/20: count5/10/15/20 stitches | BEN BEN2 BAO PIN | 0/5/10/15/20 | 0 | I |
| 31 | The bobbin thread initial total | The bobbin thread initial total | BEN BEN2 BAO PIN | 200~4000 | 1600 | I |
| 35 | Cutting rate | 0: No function 1~20: Every cutting rate 1~20, workpiece plus 1 | BEN BEN2 BAO PIN | 0~20 | 1 | I |
| 36 | Thread-cutting speed time | Thread-cutting speed setting | BEN BEN2 | 0~800 (ms) | 120 | I |
| 37 | Thread wiping operation time | Thread wiping operation time | BEN BEN2 | 0~800 (ms) | 40 | I |
| 38 | Thread-cutting delay time | Thread-cutting delay time setting | BEN BEN2 | 0~200 (ms) | 0 | I |
| 39 | Thread wiping operation delay time | Thread wiping operation delay time setting | BEN BEN2 | 0~300 (ms) | 40 | I |
| 40 | Presser foot delay time | Presser foot delay time | BEN BEN2 | 0~800 (ms) | 30 | I |
| 41 | Slow speed | The pedal the lowest speed | BEN BEN2 BAO PIN | 100~400 (rpm) | 200 | I |
| 42 | Pedal curve selection | Pedal speed control function to adjust: 0: Normal 1: Accelerate the slow; 2: Acceleration | BEN BEN2 BAO PIN | 0/1/2 | 0 | I |
| 46 | Delay Sewing time, when presser foot down | Delay Sewing time, when presser foot down | BEN BEN2 BAO PIN | 0~800 (ms) | 200 | II |
| 47 | Time of presser foot magnet full voltage output | Time of presser full voltage output | BEN BEN2 BAO PIN | 0~800 (ms) | 150 | II |
| 48 | Presser foot magnet voltage output duty cycle | Presser foot voltage output duty cycle | BEN BEN2 | 0~100 | 40 | II |
| | | | BAO PIN | | 30 | |
| 49 | Presser foot magnet lift holding time | Presser foot magnet lift holding time | BEN BEN2 BAO PIN | 1~60 (s) | 12 | II |
| 69 | Down needle position | Down needle position | BEN BEN2 BAO PIN | 0~240 | 177 | I |
| 75 | Needle position adjustment | Down needle positioning position : this parameter interface can tread pedal running | BEN BAO PIN | 0~240 | 0 | II |
| | | | BEN2 | | 120 | |
| 79 | Parameter restore | Set to 5: Restore the current level of the factory parameters | BEN BEN2 BAO PIN | 0~15 | 0 | I |
| 80 | Sewing maximum speed | Sewing maximum speed | BEN BEN2 | 200~6000 (spm) | 5000 | II |
| | | | BAO | 200~9000 (spm) | 8000 | |
| | | | PIN | 200~5000 (spm) | 4200 | |
| 81 | Lubrication prompts | 0: Invalid; 50~1000: Suggestion time | BEN BEN2 BAO PIN | 0~1000 (Hour) | 0 | II |
| 83 | Retry function | This function is used when needle cannot pierce materials. 0: Normal; 1: Retry function is provided. | BEN BEN2 BAO PIN | 0~15 | 0 | II |
| 92 | Pedal presser foot lift confirm time | Pedal presser foot lift confirm time | BEN BEN2 BAO PIN | 10~300 (ms) | 80 | II |

5. accessory

| NO | Product name | Amount | Specification | Confirm | Remarks |
|----|----------------------|--------|---------------|---------|-----------------|
| 1 | Pull rod | 1 | | | |
| 2 | Ctrolling box | 1 | | | |
| 3 | Pedal | 1 | PL-303 | | Including stand |
| 4 | Screws accessory box | 1 | WR596 | | |
| 5 | Using instruction | 1 | | | |
| 6 | Certification | 1 | | | |
| 7 | Desiccant | 1 | | | |

绷缝系列使用说明书 V1.0

1. 安全上的注意事项

使用前请详细阅读本技术资料与所搭配的缝制机械说明书，配合正确使用。

1.1 (1) 电源电压与工作频率：请遵照马达与控制箱铭牌所标之规格。

(2) 电磁波干扰：请远离高频磁波机器或电波发射器等，以免所产生的电磁波干扰本驱动装置因而发生错误动作。


(3) 接地：为防止杂讯干扰或漏电事故，请做好接地工程（包括缝制机、马达、控制箱、定位器）。

1.2 拆卸马达或控制箱时，勿带电拔插；控制箱里面有危险高压电，所以关闭电源后要等 1 分钟以上方可打开控制箱盖。

1.3 为保证人身安全，请在维修机械或进行穿针作业时关闭电源。

1.4  这个标示符号表示机器安装时，如有错误恐会伤害到人体或机器会受到损坏。

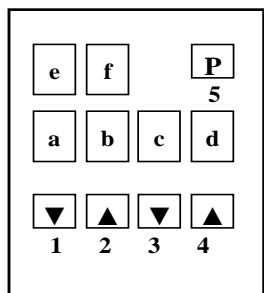
所以机器方面有危险性的地方会有此标志。

 这个标志符号表示有高压电等，电气方面有危险性的地方会有此标志。

1.5 本装置保证在正常工作情况且无人失误的操作下，保修期为一年。

2. 机箱操作面板使用说明

机箱操作面板布局如图所示



2.1 缝制功能设定

机箱操作面板的默认设定模式，

通过按键 1234 和数码管 abcd 可以分别设定

针位、剪线、前固缝、后固缝选择。

1: 针位选择 a: 0 上针位; 1 下针位

2: 剪线选择 b: 0 不剪线; 1 剪线

3: 前固缝选择 c: 0 无; 1 AB 双固缝; 2 ABAB 四固缝

4: 后固缝选择 d: 0 无; 1 CD 双固缝; 2 CDCD 四固缝

2.2 功能参数设定

在缝制功能设定模式即机箱操作面板的默认模式下，长按 P 键进入功能参数设定状态。数码管 abcd 显示参数值，通过按键 34 修改；数码管 ef 显示参数编号，通过按键 12 修改，同时保存上一参数的值。按 P 键退出参数设定模式，并保存当前参数值。按键 1234 短按每次变更，长按可连续快速增减。（注：系统运行时无法进入参数设定模式；进入参数设定模式除非退出否则系统无法运行。

具体参数见双针机系统参数表。）

2.3 系统监控状态

机箱操作面板默认模式下，按 P 键后同时按下键 1 进入此界面。数码管 abcd 显示监控值；数码管 ef 显示监控编号，通过按键 1、2 修改。显示为计件计数、上电计时或底线计数时，按键 3、4 可重设计数值。

| JJ | 计件计数值 | DX | 底线计数值 | 1 | 电机速度 |
|----|-------|----|-------|---|------|
| 2 | 电机电流 | 3 | 母线电压 | 4 | 踏板电压 |
| 5 | 机头机械角 | 6 | 电机初始角 | 7 | 程序版本 |
| 8 | 机头型号 | | | | |

3. 故障代码

| 故障显示 | 故障内容 | 故障可能原因 | 检查项目、处理 |
|------------------------------|----------|----------------------------|---|
| E011 E012 E013 E014 | 电机信号故障 | 电机位置传感器信号故障 | 电机插头是否接触良好 电机信号检测器件是否损坏 缝制机手轮是否安装到位 |
| E015 | 机头码故障 | 操作盒机头码下位机无法辨识 | 检查操作盒 |
| E021 E022 E023 | 电机超负荷 | 电机堵转 电机超负荷 | 电机插头是否接触良好 机头或剪线机构是否卡死 是否缝制规格厚度以上布料 电流检测信号是否正常 |
| E101 | 硬件驱动故障 | 电流检测非正常 驱动器直通 | 系统电流检测回路是否工作正常 驱动器是否损坏 |
| E111 E112 | 系统电压过高 | 实际电压偏高 制动回路故障 电压检测有误 | 系统进线电压是否过高 制动电阻是否工作正常 系统电压检测回路是否工作正常 |
| E121 E122 | 系统电压过低 | 实际电压偏低 电压检测有误 | 系统进线电压是否过低 系统电压检测回路是否工作正常 |
| E131 | 电流检测回路故障 | 电流检测非正常 | 系统电流检测回路是否工作正常 |
| E133 | OZ 回路故障 | OZ 回路非正常 | 系统 OZ 回路是否工作正常 |
| E151 | 电磁铁故障 | 电磁铁回路过流 | 机头电磁铁是否短路 电磁铁回路是否工作正常 |
| E201 | 电机电流过大 | 电流检测非正常 电机运转非正常 | 系统电流检测回路是否工作正常 电机信号是否正常 |
| E211 E212 | 电机运转非正常 | 电机运转非正常 | 电机插头是否接触良好 电机信号是否不匹配 |
| E301 | 操作盒通讯不良 | 机头操作盒通讯数据丢失 | 操作盒插头是否接触良好 操作盒器件是否损坏 |
| E302 | 操作盒故障 | 操作盒内部故障 | 检查操作盒器件是否损坏 |
| E402 | 踏板 ID 故障 | 踏板辨识故障 | 踏板接头松动 |
| E403 | 踏板零位校正故障 | 踏板零位校正超出范围 | 踏板损坏或者校正时踏板不是停止状态 |
| E501 | 翻抬开关故障 | 翻抬开关有效 | 放下机头或者检查翻抬开关 |
| P.oFF | 掉电显示 | 电源关闭 | 等待电源重新开通 |
| LoiL | 加油提示 | 运行超过加油提示时间 | 加油后长按 P 键取消提示状态 |
| Lbob | 底线提示 | 底线计数值为负 | 更换底线后长按 P 键取消提示状态 |
| Try Time Over | 试用时间结束 | 试用时间到 | 联系代理商 |

当系统检测到有故障时，系统停止运转，同时机箱操作面板显示故障代码。数码管 abcd 显示故障编号。具体的故障见故障代码列表。

注意：1. 缝制动作异常（速度、电磁铁动作异常等）：进入监控界面查看机型是否正确。

2. 翻抬故障 E501 时：确定开关检测是否正常，临时使用可更改 P-28 参数。

3. 若以上故障按检查项目不能排除，请寻求技术支持。

4. 系统参数表：

BEN: 绷缝机 BEN2: 小筒绷缝机 BAO: 包缝机 PIN: 拼缝机

| No | 项目 | 内容 | 适用机型 | 设定范围 | 默认值 | 级别 |
|----|-------------|--|------------------|---------------|------|----|
| 1 | 踏板最高速 | 设定踏板的最高转速 | BEN BEN2 | 200~6000(rpm) | 4000 | I |
| | | | BAO | 200~9000(rpm) | 5000 | |
| | | | PIN | 200~5000(rpm) | 2000 | |
| 2 | 软启动功能 | 开始缝制时低速缝制几针的功能 0: 无软启动功能 1~99: 软启动针数 | BEN BEN2 BAO PIN | 0~99 | 3 | I |
| 4 | 定长缝最高速 | 设定定长缝最高速度 | BEN BEN2 BAO | 200~5000(rpm) | 3500 | I |
| | | | PIN | | 2000 | |
| 5 | 缝制模式 | 缝制模式设定（不带机头操作盒时有效） 0: 自由缝制; 1: 简易缝制 2: 定针缝制; 3: 连续固缝 | BEN BEN2 BAO PIN | 0~2 | 0 | I |
| 10 | 定针缝段数 | 定针缝段数及各段针数设定（不带机头操作盒时有效） | BEN BEN2 BAO PIN | 1~7 (段) | 1 | I |
| 11 | 定针缝第 1 段针数 | | BEN BEN2 BAO PIN | 1~99 (针) | 15 | I |
| 12 | 定针缝第 2 段针数 | | BEN BEN2 BAO PIN | 1~99 (针) | 15 | I |
| 13 | 定针缝第 3 段针数 | | BEN BEN2 BAO PIN | 1~99 (针) | 15 | I |
| 14 | 定针缝第 4 段针数 | | BEN BEN2 BAO PIN | 1~99 (针) | 15 | I |
| 15 | 定针缝第 5 段针数 | | BEN BEN2 BAO PIN | 1~99 (针) | 15 | I |
| 16 | 定针缝第 6 段针数 | | BEN BEN2 BAO PIN | 1~99 (针) | 15 | I |
| 17 | 定针缝第 7 段针数 | | BEN BEN2 BAO PIN | 1~99 (针) | 15 | I |
| 18 | 定针缝触发模式 | 定针缝触发设定（不带机头操作盒时有效） 0: 无效 1: 有效 | BEN BEN2 BAO PIN | 0/1 | 0 | I |
| 21 | 软启动速度 1 | 软启动第 1 针速度 | BEN BEN2 BAO PIN | 100~3000(rpm) | 600 | I |
| 22 | 软启动速度 2 | 软启动第 2 针速度 | BEN BEN2 BAO PIN | 100~3000(rpm) | 1000 | I |
| 23 | 软启动速度 3 | 软启动第 3 针速度 | BEN BEN2 BAO PIN | 100~3000(rpm) | 1500 | I |
| 24 | 压脚软下降功能 | 防止损伤布料，减慢压脚下降速度的设定 0: 无效 1: 有效 | BEN BEN2 BAO PIN | 0/1 | 0 | I |
| 25 | 抬压脚使能 | 抬压脚使能设定 0: 无效 1: 有效 | BEN BEN2 PIN | 0/1 | 1 | I |
| | | | BAO | | 0 | |
| 26 | 自动抬压脚使能 | 自动抬压脚使能设定 0: 无效 1: 停机时自动抬压脚 | BEN BEN2 BAO PIN | 0/1 | 0 | I |
| 27 | 上电定位 | 上电时机头自动运转至上针位的功能设定 0: 无效 1: 有效 | BEN BEN2 BAO PIN | 0/1 | 0 | I |
| 28 | 翻抬或安全开关信号模式 | 机头翻抬或安全开关信号模式设定 0: 常开 1: 常闭 2: 取消保护功能 | BEN BEN2 | 0/1/2 | 1 | I |
| | | | BAO PIN | | 0 | |
| 29 | 压脚软下降时间 | 压脚软下降时间设定(时间越长压脚下降越慢) | BEN BEN2 BAO PIN | 50~500(ms) | 300 | I |
| 30 | 底线倍率 | 底线倍率设定 0: 无效 5/10/15/20: 底线倍率 | BEN BEN2 BAO PIN | 0/5/10/15/20 | 0 | I |
| 31 | 底线初值 | 底线初值设定 | BEN BEN2 BAO PIN | 200~4000 | 1600 | I |
| 35 | 计件倍率 | 计件倍率设定 0: 无计件功能 1~20: 每设定次剪线计件值加 1 | BEN BEN2 BAO PIN | 0~20 | 1 | I |
| 36 | 剪线动作时间 | 剪线动作时间设定 | BEN BEN2 | 0~800(ms) | 120 | |
| 37 | 拨线动作时间 | 拨线动作时间设定 | BEN BEN2 | 0~800(ms) | 40 | |
| 38 | 剪线延迟时间 | 剪线延迟时间设定 | BEN BEN2 | 0~200(ms) | 0 | |
| 39 | 拨线延迟时间 | 拨线延迟时间设定 | BEN BEN2 | 0~300(ms) | 40 | |
| 40 | 压脚延迟时间 | 压脚延迟时间设定 | BEN BEN2 | 0~800(ms) | 30 | |
| 41 | 低速速度 | 踏板最低速度 | BEN BEN2 BAO PIN | 100~400(rpm) | 200 | I |
| 42 | 踏板曲线选择 | 踏板调速功能调整 0: 正常 1: 加速慢 2: 加速快 | BEN BEN2 BAO PIN | 0/1/2 | 0 | I |
| 46 | 放压脚延迟缝制时间 | 为确认压脚已放下的延时 | BEN BEN2 BAO PIN | 0~800(ms) | 200 | II |
| 47 | 抬压脚全压输出时间 | 抬压脚全压输出时间 | BEN BEN2 BAO PIN | 0~800(ms) | 150 | II |
| 48 | 抬压脚输出占空比 | 抬压脚输出占空比 | BEN BEN2 | 0~100 | 40 | II |
| | | | BAO PIN | | 30 | |
| 49 | 抬压脚保持时间 | 抬压脚保持时间后强制关断 | BEN BEN2 BAO PIN | 1~60(s) | 12 | II |
| 69 | 下停针位 | 下停针位位置调整 | BEN BEN2 BAO PIN | 0~240 | 177 | I |
| 75 | 机针位置调整 | 调整机针位置；此参数界面可以踩踏板运行 | BEN BAO PIN | 0~240 | 0 | II |
| | | | BEN2 | | 120 | |
| 79 | 恢复出厂参数 | 设置成 5: 恢复当前级别出厂参数 | BEN BEN2 BAO PIN | 0~15 | 0 | I |
| 80 | 缝制最高速度 | 缝制最高转速 | BEN BEN2 | 200~6000(spm) | 5000 | II |
| | | | BAO | 200~9000(spm) | 8000 | |
| | | | PIN | 200~5000(spm) | 4200 | |
| 81 | 润滑提示 | 润滑提示功能；0: 无效 50~1000: 运行超过一定时间提示加油润滑 | BEN BEN2 BAO PIN | 0~1000 (小时) | 0 | II |
| 83 | 加重功能 | 机针穿不透布时使用 0: 无效; 1~15 力度调节 | BEN BEN2 BAO PIN | 0~15 | 0 | II |
| 92 | 踏板抬压脚命令时间 | 踏板后踩，抬压脚命令有效时确认时间 | BEN BEN2 BAO PIN | 10~300(ms) | 80 | II |

5. 随机附件包

| 序号 | 产品名称 | 数量 | 规格 | 确认 | 备注 |
|----|--------|----|--------|----|-----|
| 1 | 简易球接连杆 | 1 | | | |
| 2 | 电控箱 | 1 | | | |
| 3 | 踏板 | 1 | PL-303 | | 含支架 |
| 4 | 螺钉附件包 | 1 | WR596 | | |
| 5 | 使用说明书 | 1 | | | |
| 6 | 合格证 | 1 | | | |
| 7 | 干燥剂 | 1 | | | |