

781步进款操作说明

781 stepper style operation instruction

显示界面Display Area

参数键Parameter

恢复出厂设置
Restore the
factory settings

慢启动键
Slow starting

高速键High speed

调节高速时速度
adjust the value of high speed

低速键Low speed

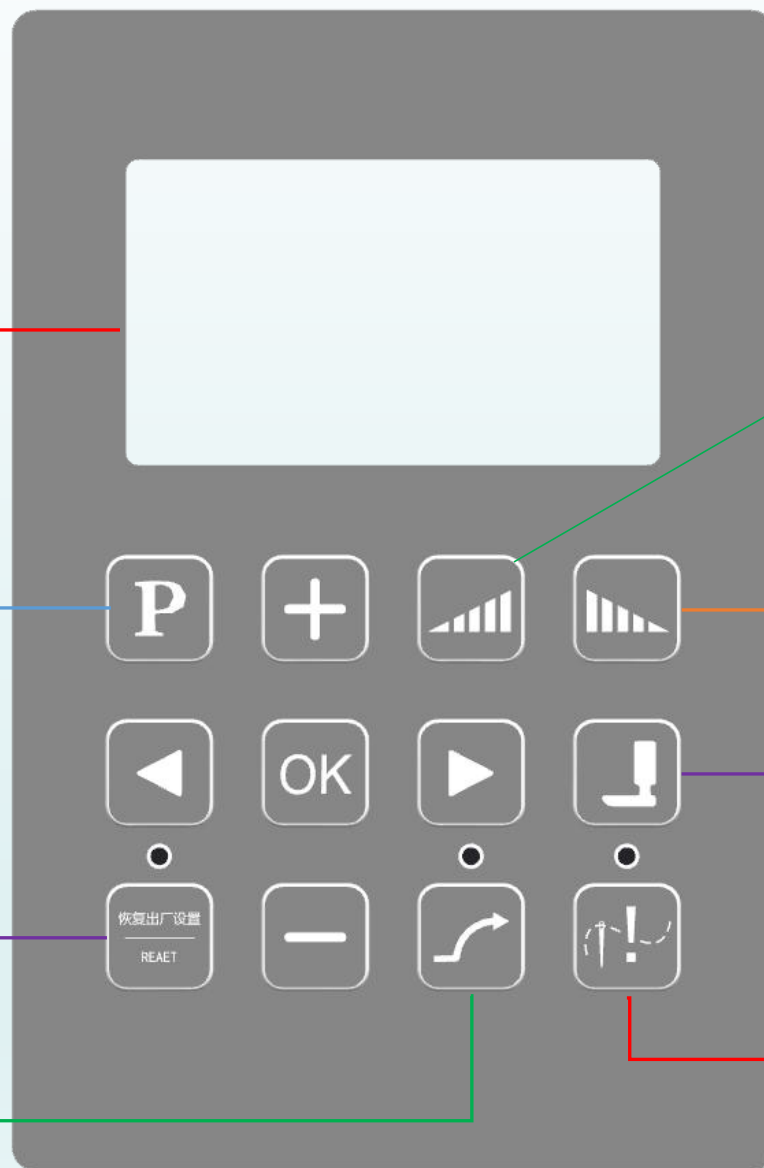
调节低速时速度
adjust the value of low speed

**抬压脚高度Presser
foot height**

进入参数可以调节抬压脚高度
adjust the height of presser foot

**断线检测Thread broken
detection**

开启时压脚功能关闭
presser foot function off when open this



参数项 parameter	范围 range	默认值 default value	说明 instruction	参数项 parameter	范围 range	默认值 default value	说明 instruction
P001	100-3500	2800	最高转速 Maximum speed	P032	100-3500	3200	机头最高速度 Maximum speed
P002	100-3000	600	前启缝速度 Front starting speed	P035	1016	1016	版本号 Version
P003	100-2500	2200	最后收尾速度，也是下刀速度 The speed when cutting	P036	0-1	0	强制慢速启缝 Forced slow starting
P006	100-2000	700	慢速启缝速度 Slow start speed	P037	0-200	86	下针位位置点 Down needle position
P007	0-99	7	慢速启缝针数 Slow start stitch numbers	P041	1-359	47	电机角度 Motor angle
P013	0-100	20	传感器触发间隔针数 sensor trigger spaced stitches number	P042	0-1	0	电机角度测试 Motor angle detection
P017	1-250	250	测试运行时间 Testing running time	P044	0-300	120	夹线行程 Clamping trip
P018	1-250	3	测试停止时间 Testing stop time	P068	0-990	200	压脚放下延时电机启动 Releasing presser foot motor start delay time
P019	100-500	200	最慢速度 Lowest time	P069	1-30	10	抬压脚最大运行时间 Presser foot lifting maximum acting time
P021	0-2	0	安全开关信号类型 Safety swtich signal type	P070	0-1	0	是否关闭抬压脚功能 Turn off the function of the preser foot lifting
P028	0-990	50	压脚动作前延时时间 Presser foot action front delay time	P098	300-700	500	步进压脚电机机械零点 Stepper presser foot motor mechanical zero position
P029	0-359	80	上停针位置点（手轮旋转到合适位置后，按压 脚键更新上停针位置） Up needle stop position(press the presser foot key to update when turning the handwhhel to the up needle position)	P099	0-300	80	步进压脚电机解锁位置 Unlock position of stepper presser foot motor
P030	0-1	0	自动测试（0：关闭；1：开启） Automatic testing(0:close;1:open)	P100	0-1500	580	步进压脚电机抬压脚位置 Lifting positioing of stepper presser foot motor
P031	0-1	0	是否自动找上针位 Auto finding the up needle stop position	P113	20-200	80	步进电机位置环P Stepper motor P position

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P114	20-200	80	步进电机速度环P Stepper motor P speed	P139	10-600	200	步进电机压脚下放的中间位置 Middle position of the stepper motor presser foot releasing
P115	20-200	80	步进电机速度环I Stepper motor I speed	P140	10-400	80	步进电机压脚下放的中间速度 Middle speed of the stepper motor presser foot releasing
P117	5-15	14	主轴电机低速电流 Principal axis motor low speed current	P141	0-200	30	主轴电机完成动作时抬起延时 Delay time of the principal axis motor lifting when finishing the action
P118	5-15	12	主轴电机高速电流 Principal axis motor high speed current	P142	0-5000	70	主轴电机启缝时启动延时 Delay time of principal axis motor starting
P119	0-1	1	步进压脚电机持续大电流报警开关 Stepper presser foot motor continuous high current alarm switch	P143	1-5000	140	步进电机压脚下放延时等待 Delay time of stepper motor presser foot releasing
P123	100-1240	650	步进锁相电流	P144	0-9999	0	剪线计数 Trimming count
P127	0-1	0	启动安全开关 Turn on the safety switch				
P129	0-1	1	步进剪线电机持续大电流报警开关Stepper trimming motor continuous high current alarm switch				
P133	50-800	650	步进剪线电机剪线速度 Stepper trimming motor cutting speed				
P134	10-3000	300	主轴电机最大运行保护针数 Principal axis motor maximum running protection needle				
P135	0-1	0	步进压脚电机老化 Stepper presser foot motor aging				
P136	40-600	350	步进电机抬压脚速度 Stepper motor presser foot lifting speed				
P137	40-400	80	步进电机压脚下放速度 Stepper motor releasing presser foot speed				
P138	10-600	100	步进电机解锁速度 Stepper motor unlock speed				

错误代码 Error code	错误明细 Error instruction	解决方案（操作前请先 关闭 电源）Solution(please turn off the power before operating)
ER01	定位器信号异常 positioner signal abnormal	1、检查电机编码器接口是否松动或脱落，重新连接后重启检查 check the connection of motor encoder plug, reconnect it and restart the controller to test 2、更换电机 change the motor 3、更换电控 change the controller
ER02	控速器连接异常 abnormal connection of speed controller	1、检查控速器是否有松动或接触不良 check the connection of th speed controller 2、更换控速器 change the speed controller 3、更换电控 change the controller
ER04	1) 马达插头接触不良导致不转 poor connection of the motor plug 2) 车头机构锁死或马达皮带异物卷入卡死 machine stuck 3) 加工物过厚，马达扭力不足无法贯穿 the clothe is too thick to be penetrated 4) 电控异常 abnormal of the controller	1、检查电机电源线接口是否松动或脱落，重新连接后重启检查 check the connection of motor power wire, reconnect it and restart the controller to test 2、检查车头是否过重或卡死 check the machine if it is stuck 3、检查缝制布料是否太厚 check if the cloth is too thick 4、更换主轴电机 change the spindle motor 5、更换电控 change the controller
ER05	1) 主轴电机电力模块错误代码 spindle motor power module error code 2) 主轴电机不正常过电流或过电压 abnormal overcurrent or overvoltage of spindle motor	1、重启电控 restart the controller 2、更换电控 change the controller
ER07	前面操作盒与CPU传输通信异常 abnormal transmission communication between display and CPU	1、检查显示屏面板和电控连接线是否松动或脱落，重新连接 reconnect the connection between display and controller 2、更换显示屏 change the display 3、更换电控 change the controller
ER15	主轴电机编码器错误 spindle motor encoder error	1、检查主轴电机编码器接口是否松动或脱落，恢复后重启检查 check the connection of motor encoder plug, reconnect it and have a test 2、更换主轴电机 change the spindle motor
ER16	系统不运行时过压 overvoltage when the system is not running	1、检查输入电压是否过高 check the input voltage if it is too high 2、更换电控 change the controller
ER20	系统欠压 system undervoltage	1、检查输入电压是否过低 check the input voltage if it it too low 2、更换电控 change the controller

错误代码 Error code	错误明细 Error instruction	解决方案（操作前请先 关闭 电源）Solution(please turn off the power before operating)
ER31	主轴电机原点检测错误 spindle motor origin detection error	1、检查主轴电机与电控连接线是否松动或脱落 check the connection between the spindle motor and controller
ER32	机头翻倒保护 machine overturn protection	1、检查机器机头是否复位 check the machine if it is overturn
ER33	倒缝超时保护 reverse sewing timeout protection	1、倒缝电磁铁吸合时间过长，重启即可 the closing time of reverse sewing electromagnet is too long, restart the controller 2、检查手动倒缝开关是否损坏 check if the manual reverse sewing switch is broken
ER34	剪线堵转 trimming stuck	转动手轮一圈使动刀回位, 清理异物检查剪刀组件无异常时是否可继续工作 turn around the handwheel to return the moving knife, clean the table and check the knife set
ER36	系统运行时过压 overvoltage during system operation	1、检查输入电压是否过高 check the input voltage if it is too high 2、更换电控 change the controller
ER81	步进电机原点检测错误 stepper motor origin detection error	检查步进安装是否错误，松掉固定螺丝后，重启电源是否继续报警 check if the installing of the stepper motor mistake or not, release the fixing screws, restart the controller to check if it is still error
ER84	步进电机堵转 stepper motor stuck	1、检查步进电机编码器接口是否松动或脱落check the connection of stepper motor encoder plug 2、检查送料机械结构有无卡死或过载情况，恢复后重启检查 check whether the feeding mechanical structure is stuck or overloaded, restart the controller when recover it 3、更换步进电机 change the stepper motor 4、更换电控 change the controller
ER85	1. 步进电机电力模块错误代码 stepper motor power module error code 2. 步进电机不正常过电流或过电压 abnormal overcurrent or overvoltage of stepper motor	1、检查步进电机插座有无松动 check if the stepper motor plug not good connected 2、检查送料机械结构有无咬死，排除故障后重启/复位 check if the feeding mechanical structure is stuck, restart controller after troubleshooting 3、更换电控 change the controller
ER87	步进电机与主轴电机端子插错 the terminals of stepper motor and spindle motor are wrongly inserted	1、互调两个编码器插头，重新拔插 change the terminals of the stepper motor and spindle motor 2、重启电控，若仍不能正常工作，请更换电控 restart controller, if still not work, change it
ER88	步进电机到不了目标位置 stepping motor cannot reach the position	1、检查送料机械结构有无卡死或过载情况 check if the feeding mechanical structure is stuck or overloaded 2、检查连杆摆幅值有无超过限位，排除故障后重启/复位 check if the swing amplitude of the connecting rod exceeds the limit, restart after troubleshooting 3、更换电控 change the controller