

User Guide





Thank you for purchasing our products.

For your use safety, please must read the instruction manual before use.

.
. .
. .
. .

	AC 220V ± 20% 50/60HZ	AC 110V ± 20% 50/60HZ
	550W	550W
	3 N·M	3 N·M
	200rpm~6500rpm	200rpm~6500rpm



	1 2
	1 2 LED
	1 2
	

" + " " - "

1.2 " P "

1.3 " S "

" P" " +"

" + " - "

" P" " + " - "

" S"

" P" " +"

" S" 3

Er00		
Er01		
Er02		
Er03		
Er04		
Er05		
Er07		
Er08		

		200~7500	5500	
		0~1	1	0 1
		0~23	12	180
		200~800	200	250
		1~100	50	50 50
		0~1	1	
		0~1	0	1
		100~999	750	
P-15				
P-16				

Preface

Thank you for purchasing this product, In order to make use of product better, Before installing and testing, please read the operating instructions and the sewing equipment specification carefully, to use correctly, and be installed and tested by professionals.

Note:

This product is only applicable to the specified range of sewing equipments, please do not use for other purposes.

Our company has the right of final interpretation of this manual.

If there is any doubt when using product or any comments or suggestions of our products and services, please feel free to contact us!

Due to upgrade products, features and specifications are subject to change without notice.

The usage of the operating instructions:

The operating instructions provide guidance information based on user's requirements.

The information involves equipments and other usage occasions, transportation, installation, use and maintenance.

The operating instructions are intended for users and technical staff.

Safety Instructions

- (1) Make sure that the controller switch button is off before plugging in power.
- (2) Make sure that all the motor connector cord is plugged in before the switch button turn on, otherwise it will be an error.
- (3) The connection plugs are one-to-one. Please confirm that the terminals match each other when the connection is connected..Please do not over-force when inserting, so as not to cause damage to the system.
- (4) Do not press or over-twist the motor wire by external objects. To avoid damage to the joint signal line
- (5) Do not disassemble the controller without professionals, to avoid accidents.

Caution: Inside of the controller and interface wire are with strong power, please do not touch, in order to avoid an electric shock!

Control box technical index

Working voltage	AC220V \pm 20% 50/60HZ	AC110V \pm 20% 50/60HZ
Rated power	550W	550W
Motor torque	3 N·M	3 N·M
Motor speed	200rpm ~ 6500rpm	200rpm ~ 6500rpm





Up-down needle position	Yes	Yes
Over current, overload	Yes	Yes

Please enter the proper voltage according to the matched model.

● **Interface plug connections**

The pedals and the machine head of the connector plug are mounted to the corresponding position in the controller back of socket. Please check if the plug is inserted firmly.


● **Operation panel description**

Operation panel description	
	Working mode, switch the up-down needle position; Parameter mode, setting the parameter.
	Working mode, switch the LED light; Parameter mode, save the parameter.
	Working mode, adjust the motor speed; Parameter mode, choice and adjust for parameter.
	

● **Parameter adjusting and example**



The panel is four digital Nixie tube display.

Adjust the speed by press the " " " " ,key when in standby interface.




1. 2 In standby interface ,press the " " ,when the up needle position indicator light is on ,it is on up needle stop , when the down needle position indicator light is on , it is on down position stop, when the indicator light is off ,the needle position function turn off.

1. 3 In standby interface , press the " " key , can turn on/off the machine head light.

Enter in and change the system parameter



When the power is on ,press the  key for some seconds ,then press the  key , it enters into the parameter mode. The nixietube shows **P-00**


Press the " " " " key ,can change the parameter.

After choose the parameter , press the  key ,enter into the parameter ,then can change the value of the parameter by " " " " key

Press the " " key save the value

he setting of motor rotate way:



When the power is on ,press the  key for some seconds ,then press the  key , it enters into the parameter mode. The nixietube shows **P-00**


Press the " " key can change parameter to" **P-02**

chosen parameter,press " ",using " " " " for changing value:

0: negative rotate 1:positive rotate,the original is positive notate.

Press the " " key save the value.

When the power is on ,press the  key for some seconds ,then press the  key , it enters into the parameter mode. The nixietube shows **P-00**

Press the " " key for three seconds to reset

- **Error code and parameter**

List 1: Error code

Error Code	Representative Meaning	Possible Problems
Er00	Power protection	1)The foot is in a state of acceleration during the initialization process
Er01	Stop needle error	1) motor Hall bad . 2) hand wheel magnet shede



P-04	The starting speed	200~800	200	RPM
P-05	Pedal acceleration curve	1~100	50	Less than 50, the curve up; More than 50, curve under the cast
P-08	Stop and stop function	0~1	1	0: close 1: open
P-10	Automatic running in test	0~1	0	The parameter is changed to "1" automatically running in, set to "0" or turn off the power, run in and stop
P-14	Motor output power adjustment	100~999	750	
P-15	Electric control version			
P-16	Display screen version			