

## **User Guide**

# Industrial sewing machine

**Thank you for purchasing our products.**

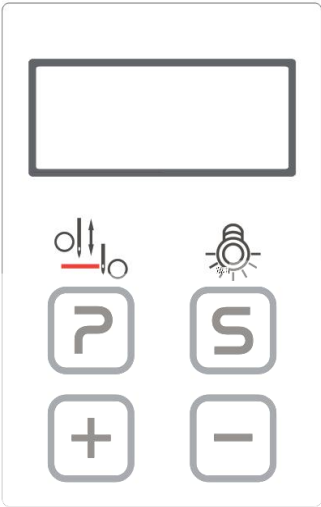
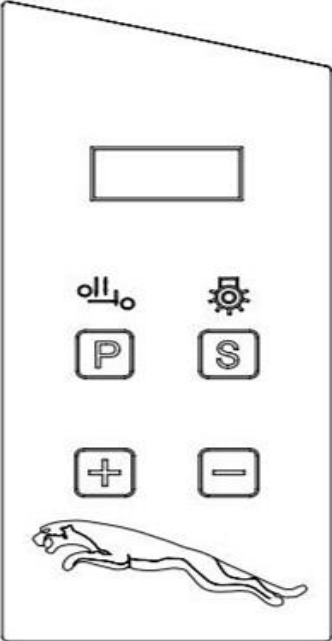
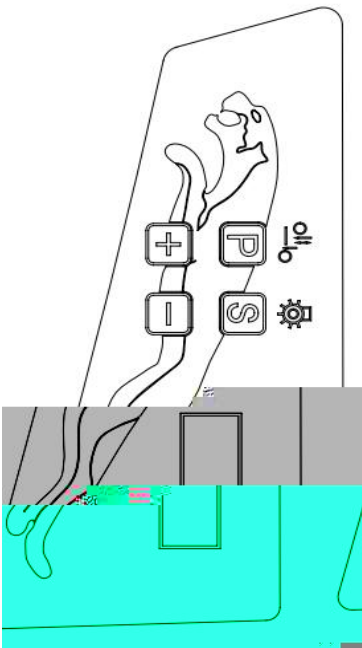
**For your use safety, please must read the instruction manual before use.**

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M-6SD2\M-7SE2\Q1\S1	X1\R1	W1\V1\P1\N1
 <p>Control panel for M-6SD2\M-7SE2\Q1\S1. It features a rectangular display at the top. Below the display are two columns of buttons. The left column contains a question mark icon, a plus sign, and a minus sign. The right column contains an 'S' icon, a lightbulb icon, and another 'S' icon.</p>	 <p>Control panel for X1\R1. It features a rectangular display at the top. Below the display are two columns of buttons. The left column contains a question mark icon, a plus sign, and a minus sign. The right column contains an 'S' icon, a gear icon, and another 'S' icon. At the bottom of the panel is a line drawing of a dog.</p>	 <p>Control panel for W1\V1\P1\N1. It features a rectangular display at the top. Below the display are two columns of buttons. The left column contains a plus sign, a minus sign, and a question mark icon. The right column contains an 'S' icon, a gear icon, and another 'S' icon. At the bottom of the panel is a line drawing of a hand holding a remote control.</p>

1.1

+ -

P

S

1.4

+ - P +

+ - P + -

S

" P-00" ,

1.4

+ P +

" P-0 2"

P + -

0 1 S

" P-00" ,

1.5

P +

S

" P-00" ,

1

<b>Er01</b>		
<b>Er02</b>		
<b>Er03</b>		
<b>Er04</b>		
<b>Er05</b>		
<b>Er07</b>		

2

<b>P-01</b>		200~6500	4500	
<b>P-02</b>		0~1	1	0 1
<b>P-03</b>		6~18	12	12
<b>P-04</b>		200~800	250	250
<b>P-05</b>		2000~4000	3500	3500
<b>P-06</b>		0~999	0	
<b>P-07</b>				
<b>P-08</b>				

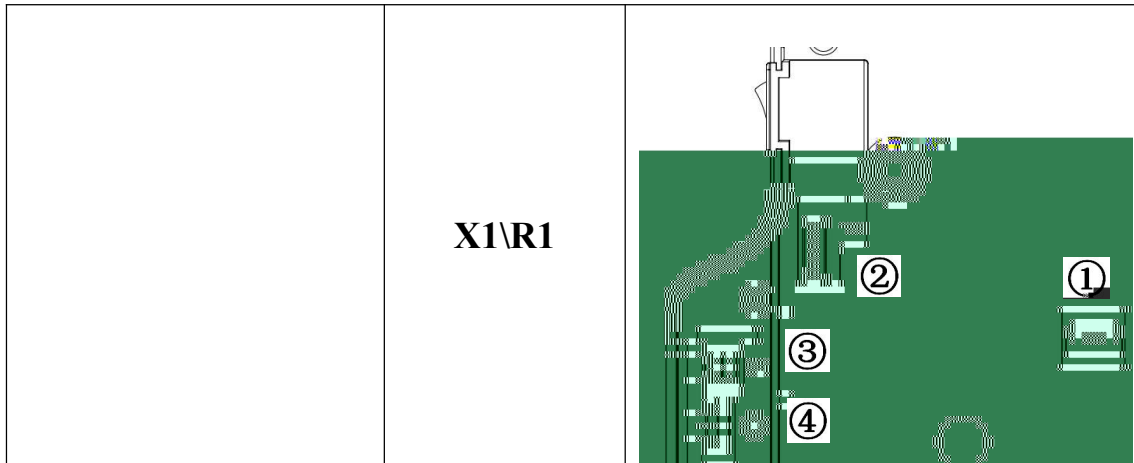
<b>P-09</b>				
<b>P-10</b>		0~1	0	1
<b>P-11</b>			0	
<b>P-12</b>			0	
<b>P-13</b>		0~1	0	1 0
<b>P-14</b>		50~1000	280	
<b>P-15</b>		0~1	1	1 0





Up-down needle position	Yes need device of needle position	Yes	Yes	Yes
Over current, overload	Yes	Yes	Yes	Yes

<p><b>Port definition</b></p> <p><b>Electric outlet</b></p> <p><b>Encoding outlet</b></p> <p><b>Pedal switch Socket</b></p> <p><b>LED light outlet</b></p> <p><b>Outlay needle position outlet</b></p> <p>Please following port definition and outlet color to connection.</p>	<p><b>M-7SE2\</b></p> <p><b>Q1\S1</b></p> <p><b>Built-in</b></p>	
	<p><b>M-6SD2</b></p>	
	<p><b>W1\V1\</b></p> <p><b>P1\N1</b></p>	



### 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.


6) Working mode,adjust the motor speed;Parameter mode,choice and adjust for parameter.


M-6SD2\M-7SE2\Q1\S1	X1\R1	W1\V1\P1\N1

## Parameter adjusting and example



1. 1 The panel is four digital Nixie tube display.

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




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.

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

1. 4 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

1. 5 The 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-0 2**"


chosen parameter,press  ,using   for changing value:

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

Press the  key save the value.

1. 6 Reset

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

Error code.	Meaning	Possible problem
Er01	The error of needle position	The motor hall is broken The connecting of needle signal line is not good The needle wheel or needle signal line is broken Hanging coil is not connected correctly NO. output is not in the needle position
Er02	Can't test the motor signal	pedal signal line connect not good or broken
Er03	The hall or phase of motor is wrong.	The connecting of 9 needle signal line is not good The motor hall is broken.
Er04	The protection of locked-rotor	The motor is overloading. The connecting of motor power line is not good.
Er05	The hardware is over-current.	The motor is overloading. The connecting of motor signal line is not good.
Er07	The serial communication	

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<b>P-05</b>	Accelerate the speed	2000~4000	3500	3500 rpm
<b>P-06</b>	Set the needle sewing	0~999	0	
<b>P-07</b>				Retention parameter
<b>P-08</b>				Retention parameter
<b>P-09</b>				Retention parameter
<b>P-10</b>	Automatic Mode switch	0~1	0	No.1 code it's Automatic mode, the function close when turn off power
<b>P-11</b>			0	Retention parameter
<b>P-12</b>			0	Retention parameter
<b>P-13</b>	Selection of motor	0~1	0	1: Old motor 0: normal motor
<b>P-14</b>	Maximum current	50~1000	280	
<b>P-15</b>	Needle position setting	0~1	1	1:means detecting needle position, 0 :means no detect