

Preface

Welcome to use the our products,it is the right investment choices in garment industry!

The user manual is for our newly developed "Automatic Platform Roll Hem Machine"products reference manual, Please read this manual carefully,hope it can give you useful help!

Before reading the manual,please note the following requirements:

- 1: The user must be reliably grounded before operation to ensure personal safety!
- 2: Non-professionals do not disassemble the control box;
- 3: The control box and the motor are far away from the strong magnetic and high radiation environment;
- 4: Do not work in an overheated environment (ambient temperature during operation: $-20^{\circ}\text{C}\sim 50^{\circ}\text{C}$);
- 5: Do not work in an excessively humid environment (humidity during operation: 20%~90%);
- 6: (1) The default power supply voltage of this device is 220V when it leaves the factory [The rated voltage is between 200V and 240V when 220V is connected to the power supply]
(2) If you need to use 110V electric control: [When 110V is connected to the power supply, the voltage is stable between (100V~120V) (need to switch through the switching power supply)]

Switch the power supply
by turning the pressing green button.



Safety requirement:

- 1: Do not put your feet on the pedals when the motor is switched on.
- 2: Let professionals to install and debug this product .
- 3: Do not open the control box and the motor cover when energized
- 4: Please turn off the power when changing the needle,threading or replacing the bottom line
- 5: During installation and removal service,please turn off the power
- 6: Please turn off the power when turn lift sewing machine
- 7: Use this product, please stay away from high-frequency electromagnetic wave and wave transmitter, so as to avoid the electromagnetic wave interference servo driver and wrong action.

Warranty policy:

- 1、 Since from the purchase of this product,the free 1-year warranty,lifetime maintenance. During the warranty period,any quality problems the product will be free repaired,except artificial damage.
- 2、 Without our consent disassemble or modify,the damaged will not give in warranty.
- 3 、 Whenever find the problem can not be solved,you can contact with our company.

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Automatic Elastic Waistband Station introduction Safety precautions

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Safety measures

Thank you for purchasing this equipment. Please read this manual carefully before starting any procedures.

Then use the equipment correctly and safely.

Keep this manual in a convenient place for quick reference when needed.

1. Introduction

- This manual describes the instructions for using this unit safely.
- Study this manual very carefully and understand fully how to operate, check, adjust and maintain the labor saving unit before beginning any of the procedures.
- You always perform operations close to moving parts such as needles when using industrial sewing machines. Therefore you have to keep in mind you could easily touch them. To prevent accidents, it is essential that you use the safe products supplied by Pegasus correctly.
- All the people who will use automatic unit must study this manual and the instruction manual for sewing machines very carefully and then take necessary safety measures before beginning any of the procedures.

Be sure to study very carefully for safety

1. Indications of dangers, warnings and cautions

To prevent accidents, indications (symbols and/or signs) which show the degree of danger are used on our products and in this manual.

Study the contents very carefully and follow the instructions.

Indication labels should be found easily.

Attach new labels when they are stained or removed.

Contact our sales office when new labels are needed.

Symbols, signs and/or signal words which attract users' attention.

Symbols and messages

 危險 DANGER	表示对生命或肢体的直接 危害	Indicates an immediate hazard to life or limb.
 警告 WARNING	表示对生命或肢体的潜在危 险	Indicates a potential hazard to life or limb.
 注意 CAUTION	表示可能导致伤害或损坏 的错误	Indicates a possible mistakes that could result in injury or damage.

	Be sure to follow the instructions when you operate the machine and/or labor saving device.
	Never do this.

Safety precautions

① Applications, purpose

The automatic unit is designed to increase quality and productivity according to your needs.

Therefore never use the device for the applications, which may defeat the above purpose.



② Circumstances

Some circumstances when you are using the automatic unit may affect its life, function, performance, and safety.

For safety, do not use the automatic unit under the circumstances below.

1. Do not use the device near objects, which make noise such as a high-frequency welder, etc.
2. Do not use or store the device in the air, which has vapor from chemicals, or do not expose the device to chemicals.
3. Do not leave the device outside, in high temperatures or the direct sun.
4. Do not use the device in high humidity or ambient temperatures, which may affect them.
5. Do not use the device on the condition that the voltage fluctuation range is more than $\pm 10\%$ of the rated voltage.
6. Do not use the device at the place where the supply voltage specified for the control motor cannot be properly obtained.
7. Do not use the device at the place where the air supply specified for the device cannot be properly obtained.
8. Do not expose the device to the water.



③ Safety measures

(1) Safety precautions when you perform maintenance on the automatic unit.

- When performing maintenance such as when checking, repairing, cleaning the automatic unit, turn off the power, disconnect the power plug from the outlet and press the machine treadle in order to make sure the machine does not run.

If you have to perform maintenance on the machine and/or automatic unit with the power on, always be careful because the machine and/or device could start operating unexpectedly.

To prevent accidents caused by incorrect operation, you should establish your own procedures for safe operation and follow them.



- Only well-trained people should perform routine daily maintenance and/or repair the machine and/or device.

- Do not modify the machine and device yourself.

※ Consult your local Pegasus' sales office or representative for modification.



(2) Before operating the device

Before operating the device, check the machine head, machine unit and device to

If so, repair or replace any defective parts immediately.



(3) Training

To prevent accidents, operators and service maintenance personnel should have proper knowledge and skill for safe operation.



Do not modify the equipment by yourself.

SAKGO does not assume all the responsibility caused by the

1. Machine appearance and parameters



Operation without skills

Automatic Start/Stop

Sewing Size- 35-70CM

Air Pressure 0.4 Mpa

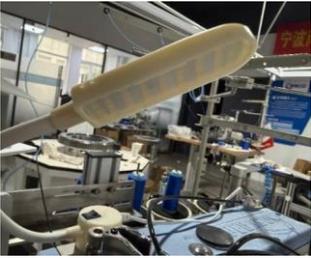
Touchscreen display

Automatic Thread Trimmer

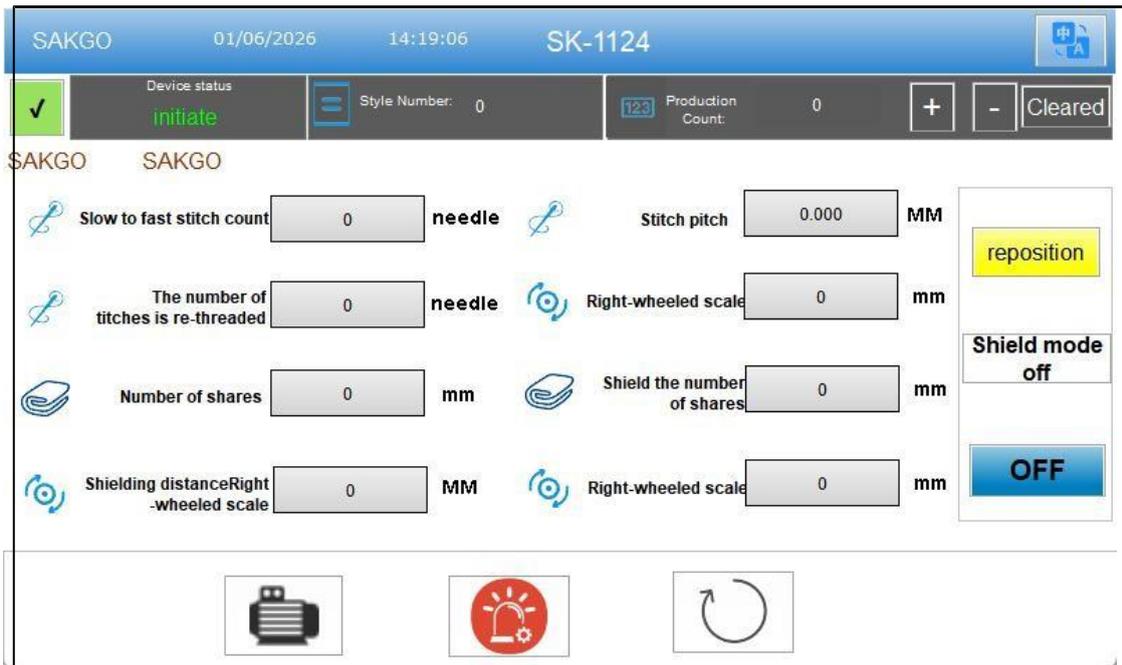
2.Description of machine parts

NO	Part position adjustment	Function description
1	 A close-up photograph of a white, rectangular yarn detector assembly mounted on a machine. It features several black cables connected to its top and sides.	Yarn Detector Assembly
2	 A close-up photograph of a yarn detection sensor. It shows a vertical metal rod with a small, cylindrical sensor head at the top, positioned over a white fabric or yarn.	Yarn Detection Sensor
3	 A close-up photograph of a green, circular start button mounted on a white, square-shaped metal plate. The plate is secured with four screws.	Start switch
4	 A close-up photograph of a green, circular indicator light. The light is mounted on a grey panel and has the letters 'YDA' printed on its lens.	Indicator Light
5	 A close-up photograph of a red, circular buzzer. It features a white speaker grille in the center and is mounted on a grey panel.	Buzzer
6	 A close-up photograph of a red, circular emergency stop button. It has a white emergency stop symbol (a circle with a diagonal line) on its top surface.	Emergency Stop Switch
7	 A close-up photograph of a black, ribbed edge correction belt. The belt is stretched across a metal frame, which includes a pulley and a tensioning mechanism.	Edge Correction Belt

8		<p>Roller</p>
9		<p>Auxiliary Wheel (Idler Wheel)</p>
10		<p>Auxiliary Wheel Bracket</p>
11		<p>Edge Correction Motor (Web Guide Motor)</p>
12		<p>Main Power Switch (Controls the main power supply)</p>
13		<p>Air Pressure Regulator Valve (Controls the flow of compressed air)</p>
14		<p>Sewing Machine Control Unit (Adjusts sewing machine parameters and calibrates operation)</p>

15		Home Position Sensor (Origin Sensor)
16		Fixing Fixture (Can be moved aside for thread threading)
17		Coupling
18		Auxiliary cylinder
19		Lamp(light)

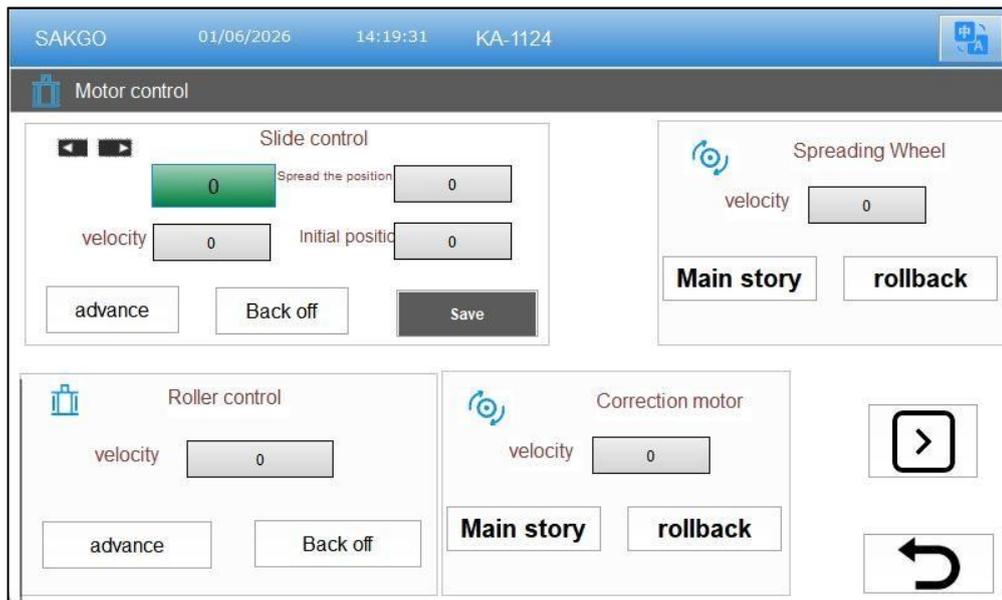
Main page description



NO	SETTING	SETTING DESCRIPTION
1	Slow To Fast Stitch Count	When the sewing machine head starts, how many stitches will it sew before it starts to increase speed.
2	Stitch pitch	The distance the fabric travels when sewing one stitch (this parameter affects the overall speed of the left and right wheels when sewing begins).
3	The number of titches is re-threaded	Number of overlapping stitches during sewing

4	Right-wheeled scale	The larger the overall proportion of the right wheel synchronization during sewing, the faster the speed.
5	Number of shares	The total number of seams in the fabric (sewing stops when the number of seams detected by the seam sensor equals the parameter value).
6	Shield the number of shares	Once the set number of bone positions is detected, the bone position sensor will deactivate for a certain distance.
7	Shielding distance Right-wheeled scale	When shielding begins, the bone position sensor is ineffective; ineffective distance.
8	Right-wheeled scale	The larger the overall proportion of the left wheel synchronizing during sewing, the faster the speed.
9	Reposition	The equipment returned to its initial point.
10	Shield mode off	Closing disables blocking mode, opening enables blocking mode.
11	OFF	Once turned on, the motor enable will be turned off, and the motor can be pushed by hand.
12	Style Number	Each style number can be stored as a separate set of data.

Motor control page instructions

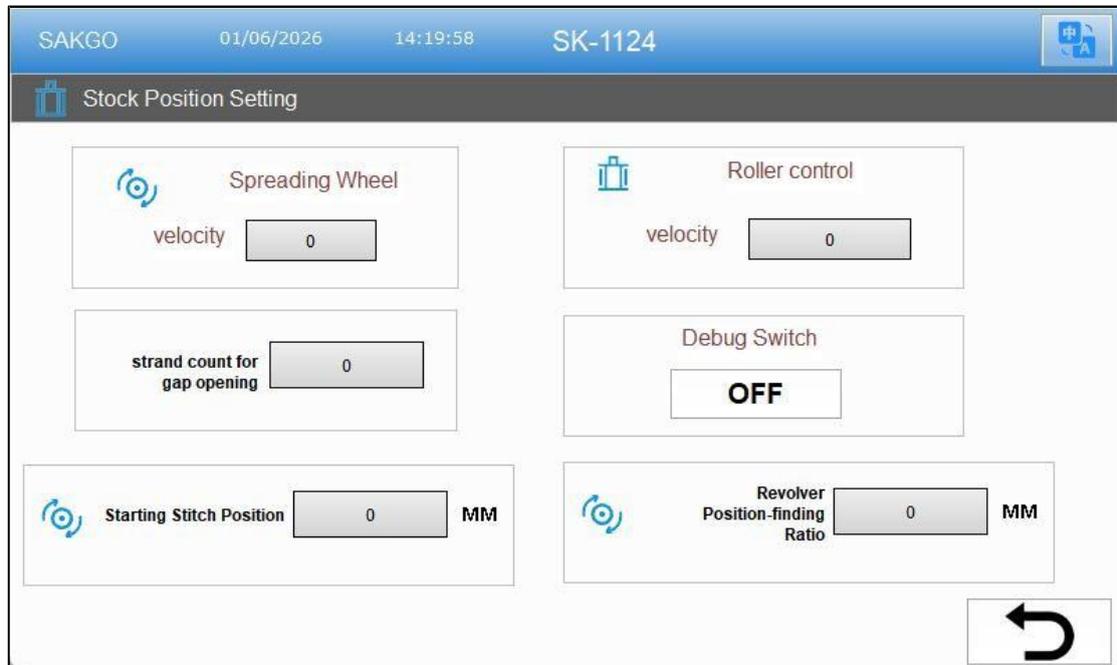


NO	SETTING	SETTING DESCRIPTION
1	Slide control	Parameters corresponding to the slide table
2		Current position display of the slide motor
3	Spread the position	The position where the slide motor stretches the fabric
4	Initial position	Initial feeding position of the slide motor
5	advance	Slide motor rotates forward
6	Back off	Slide motor reverse
7	Save	Changes to the slide motor parameters need to be saved; the parameters will not be written to the system if you do not click to save them.



NO	SETTING	SETTING DESCRIPTION
1	Low Speed	A low-speed setting for the sewing machine
2	Presser foot	Manual presser foot test
3	PRESS FOOT OFF	After setting the stitch count, the sewing machine will start according to the set stitch count.
4	Startup mode	Switching between button start and automatic start
5	Looking for a cylinder	Manual bone-finding test
6	Air blowing	Manual blowing test
7	Mop Cylinder	Manual mop cylinder test

Bone position page description



NO	SETTING	SETTING DESCRIPTION
1	Spreading Wheel	Speed of the revolver during bone search
2	Roller control	Speed of the right wheel during bone search
3	Strand Count For gap Opening	At which bone location should the strand be stopped
4	Debug Switch	It will immediately test the stock search function after opening.
5	Starting Stitch Position	How many mm should move after locating the bone position
6	Revolver Position-finding Ratio	Bone-seeking revolver speed ratio

4、 How to use a machine

- 1、 Connect the air source to the circuit and press the power switch.
- 2、 Check whether the signal lights on the touch screen and the signal lights of each sensor are normal. If the signal input can be received normally and displayed as normal; you can check whether the sensor has a signal input by checking the PLC on the circuit board.
- 3、 Select the desired language to enter the main screen; enter the parameter setting, generally there are already debugged parameters by default, but the data needs to be modified in conjunction with the actual processed fabric.
- 4、 Enter manual mode and confirm that each manual function is correct.
- 5、 After making sure that there is no error, place the fabric to be processed on the rightmost conveyor belt, and click the start button.
- 6、 The machine will automatically detect and process the fabric, and automatically collect the material after sewing.
- 7、 Check the fabric stitch and the width of the hem, you can adjust it appropriately.
- 8、 When there is a problem in the sewing process, please press the red stop button to stop immediately.
- 9、 If there is a stall or equipment alarm, please power off and restart; if the fault persists, please contact the manufacturer for after-sales maintenance of the machine.

The device adjust description

Diagram	Explanation
	<p>Pull out the removable device to release (Can be moved aside for thread threading)</p>

8. Error code analysis

Fault code	Fault description	Causes of failure	Fault solution
ER-03	break line	break line	Check the thread and re-thread it
ER-04	break line	break line	Check the thread and re-thread it
ER-05	break line	break line	Check the thread and re-thread it
ER-06	break line	break line	Check the thread and re-thread it
ER-07	break line	break line	Check the thread and re-thread it

9. Packing list

Name	Quantity
Hemming sewing machine	1