

JACK 杰克

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China No.1

模板机产品介绍

Template machine introduction

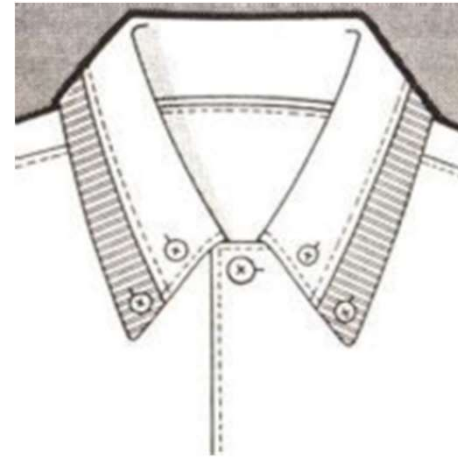
1. Quilting seam of down jacket and cotton clothes



Sewing application sample of template machine :

Widely used in quilting of down jacket, cotton-padded jacket front, back, sleeves pattern stitch.

2. Sewing of leisure shirt collar, cuff, pocket flap



Sewing application sample of template machine :

Widely used in leisure shirt, jacket, dust coat collar, sleeves, pocket flap sewing, zipper sewing.

3. Decoration pattern sewing of bags



Sewing application sample of template machine :

Widely used in different decoration pattern stitch sewing of bags

4. Furniture class

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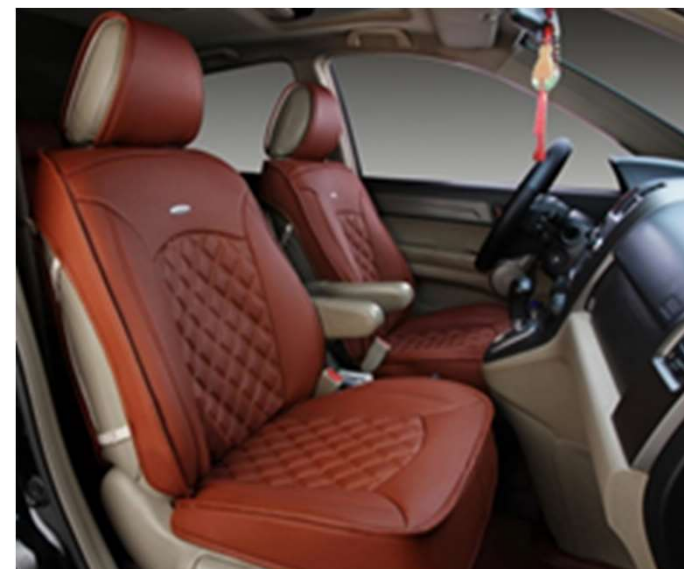
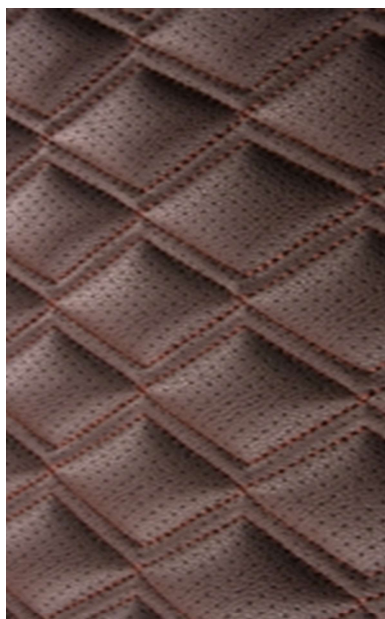
Sewing application sample of template machine :

Widely used in all kinds of furniture sofa, such as flexible packaging decoration pattern stitch sewing

5. Auto pillow

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Sewing application sample of template machine :

Widely used in pattern stitch sewing of all kinds of auto pillow ad car headrest.

6. Function Features

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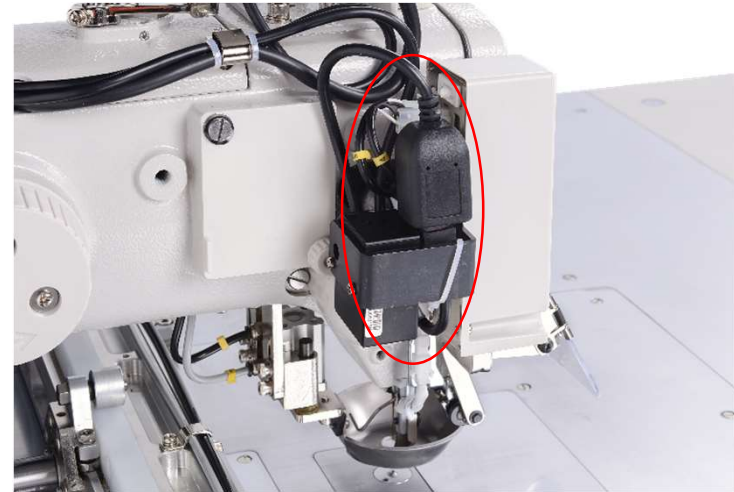
- ◆ One machine, multiple functions, easy operation; Can be used as normal lockstitch machine, long-arm machine, embroidery machine in some circumstance, reduce dependence on skilled workers, reduce labor intensity
- ◆ Large sewing area, suitable for all kinds of fabrics and sewing area
- ◆ Colorful LCD touch panel, clear display, convenient and easy operation
- ◆ Multiple functions, extensible point , line drawing, automatic mould slot function ; easy operation, and suitable for standard pattern production.
- ◆ Can use pen drive for upgrading, pattern input, thread breakage detecting, continue stitch after power off, counter function and bobbin thread shortage prediction.....

7. Function features



- ◆ **Clamp device can avoid pattern movement, improve stitching accuracy**
- ◆ **Easy for removing and fixing pattern with clamp device. Reduce cycle time, improve efficiency**
- ◆ **Bowel-shape pressure foot can meet requirement for different fabric, for different sewing pattern.**
- ◆ **Air blowing device can avoid skip stitch in the starting stitch.**

8. Function Features



- ◆ **Reading the software in the screen according to the bar code in the pattern, no need manual pattern selection, only press the button to start stitch.**
- ◆ **Can read unlimited software, the bar code can be either printed out or copied**
- ◆ **Separate control box for middle pressure foot, stable trimming, avoid slip stitch in the starting stitch, the middle pressure foot height can be adjusted according to the fabrics.**

9. Function Features

1. Manually pattern reading
and direct program



With input functions just like
embroidery machine, Manually pattern
reading and direct program

2. Software convert to
program



Directly use dxf and plt oictures which
produced by CAD, and convert to dxf/dst
dsb/ai/plt/prt/tzf/edi format, which
can be read by the software.

10. Technical Parameter

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Model	JK-T10080	JK-T12080
Max Speed	2500rpm	
Sewing Area(mm)	X×Y: 1000×770mm	X×Y: 1200×770mm
Stitch Length	0.1~12.7mm	
Needle	DP×5 (7#-19#)	
Middle Pressure Foot Stroke	0~8mm	
Middle Pressure Foot Height	17mm	
Pressure Foot Max Height	25mm	
Max Stitch for Single Pattern	10000stitches (Normal cotton clothes pic only 2000 stitches)	
Vibration	≤0.2N.m (2200rpm)	
Noise	≤8db (2200rpm)	
Program Identification	Code Scanning	

Factory application video of template machine

Down Coat Sewing([video](#))

Children's Clothing Quilt Sewing([video](#))

Electric Blanket Sewing([video](#))

Chair&Car Cushion Sewing([video](#))

Leisurewear Sleeve Tab Sewing([video](#))

Outdoor Jacket Placket Zipper Sewing
And Lazer Pocket Welting([video](#))

Zipper\$ back pocket Sewing([video](#))

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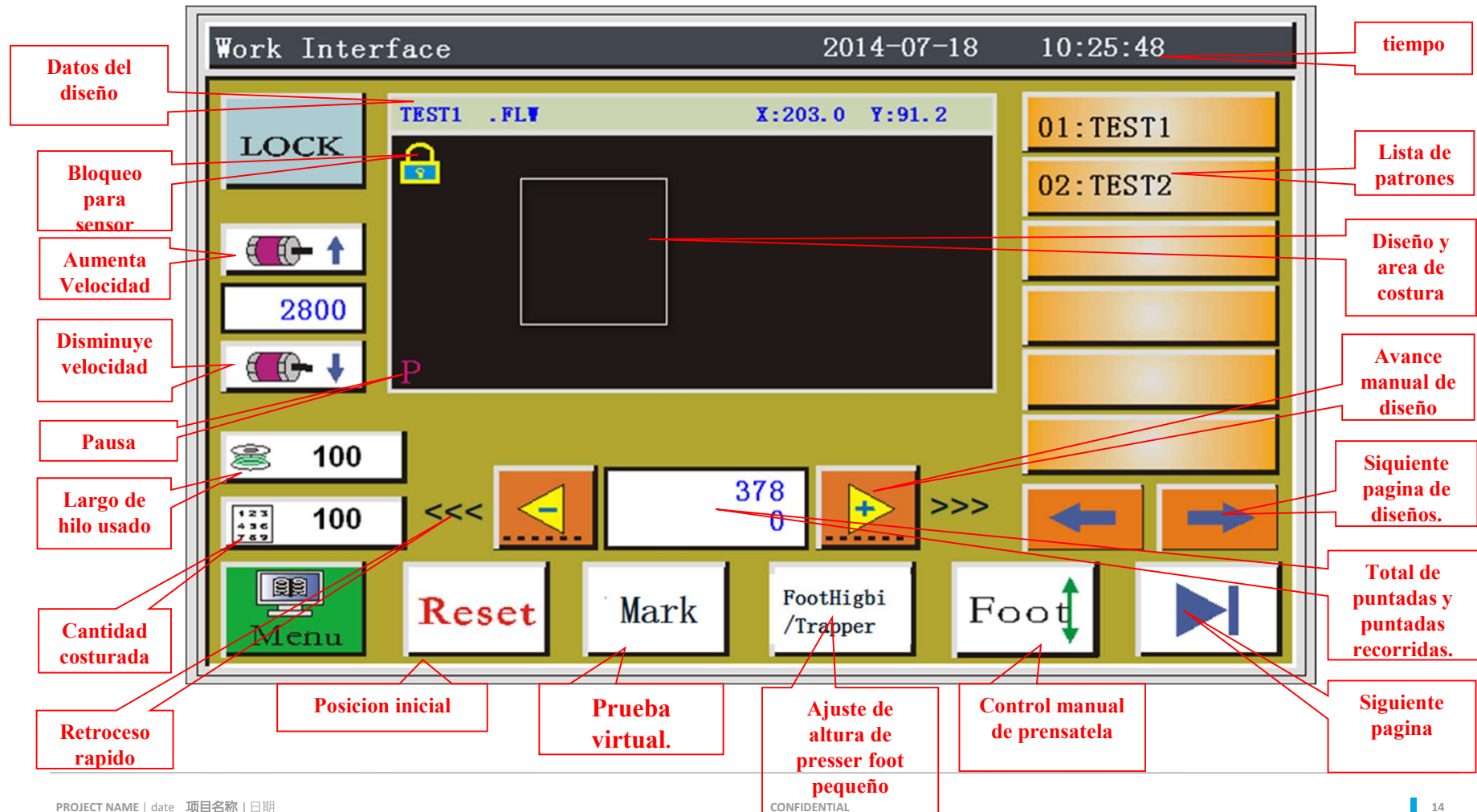
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Template Machine
Control Box Adjustment

1. Operation panel

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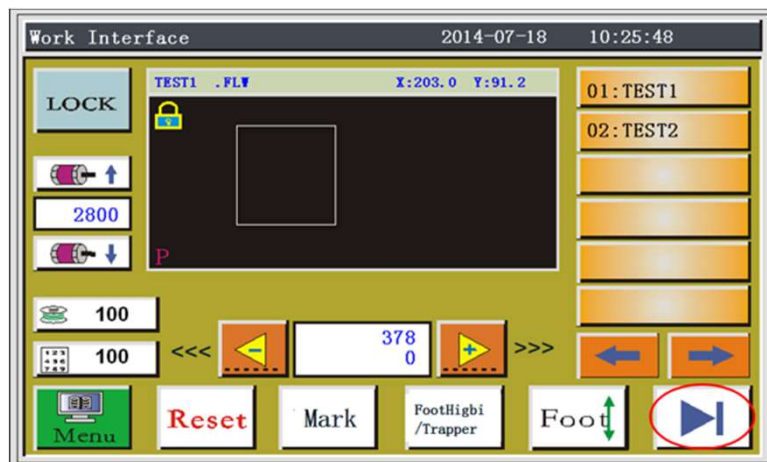
China No.1



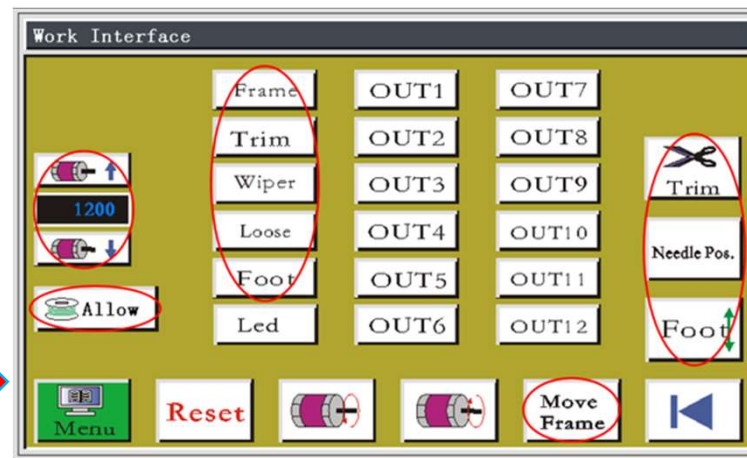
2. Prueba de funciones auxiliares.

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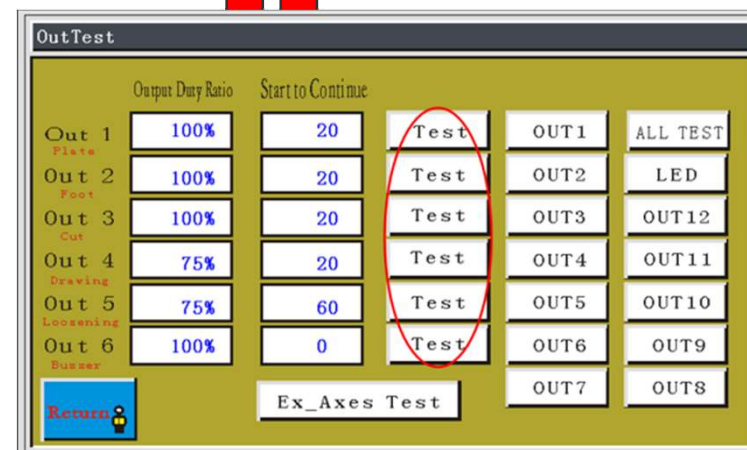
China No.1



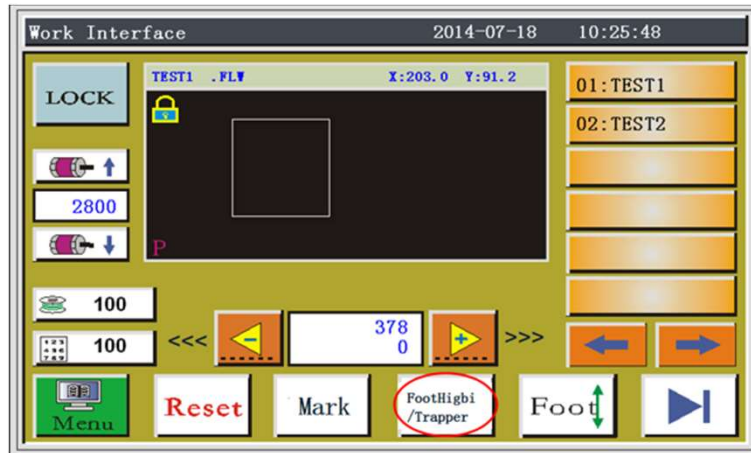
Press  to
get into the
associating
interface



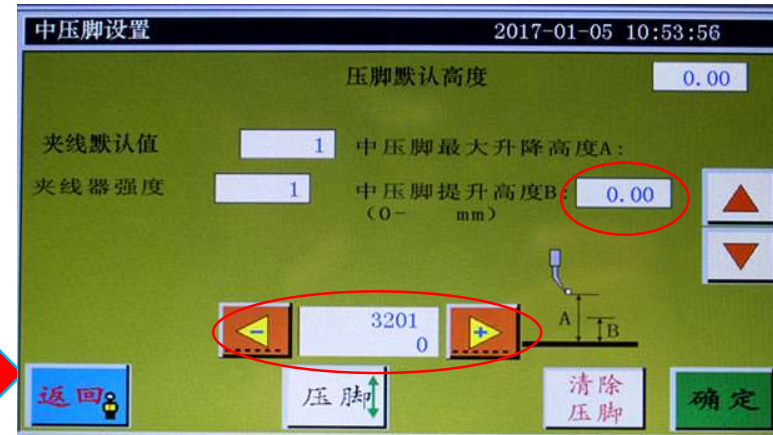
1. With the bottom line switch permitted, press the start button to show the rolling speed in the working interface
2. Manual move frame could test X&Y axis motor movement to test the resolution ratio
3. In the associating and output testing interface, you may test the button press device, cylinder movement, middle pressor foot up&down movement, needle position, trimmer magnet, stripping thread magnet, and loosening thread magnet movement



3. Ajuste de altura del prensatela pequeño.



Press the
circled button
to the middle
pressor foot
interface

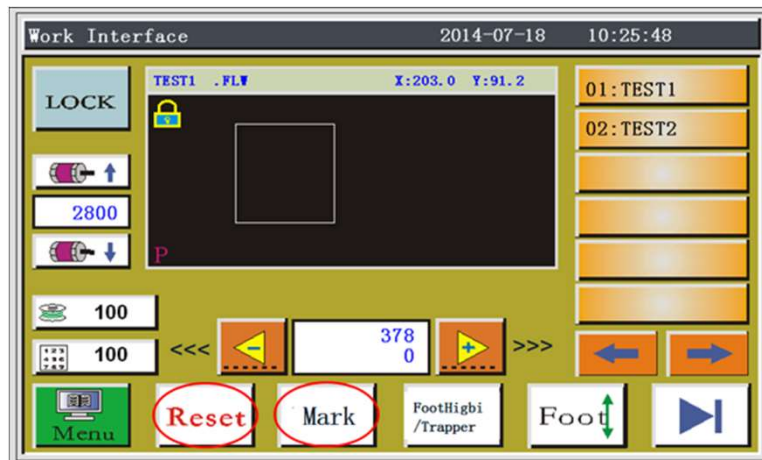


1. In the right interface, set the middle pressor foot lift height in different phases
2. Use “-” “+” button to move to the middle pressor foot starting position, and confirm; then set the lift height, then use “-” “+” to the ending position, and confirm.

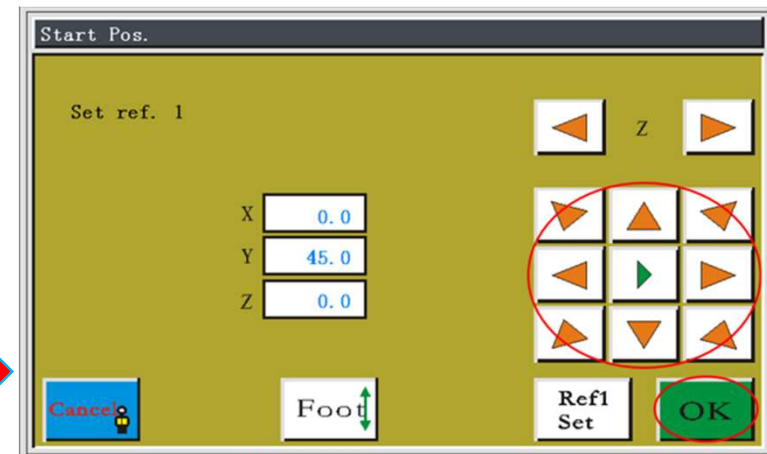
4. Ajuste de posicion de 基准 点

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Press
benchmark
key and
enter the
window of
setting



1. Press the reset key,
let the machine back to center at the origin
2. Press benchmark key and enter the window of setting
3. Using the eight direction key to move machine, find
the original point, keep needle and middle press foot to
the center of the bit
4. Press enter key then lift up middle press foot
5. Press the manual key to move the template and check
is it touch the both sides of the groove

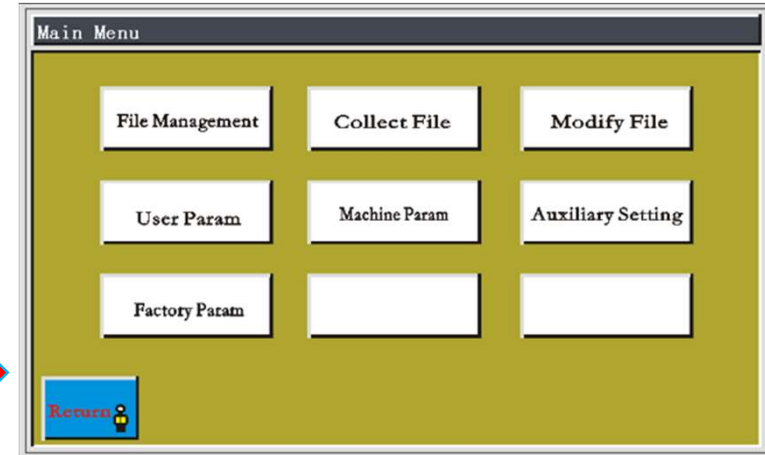
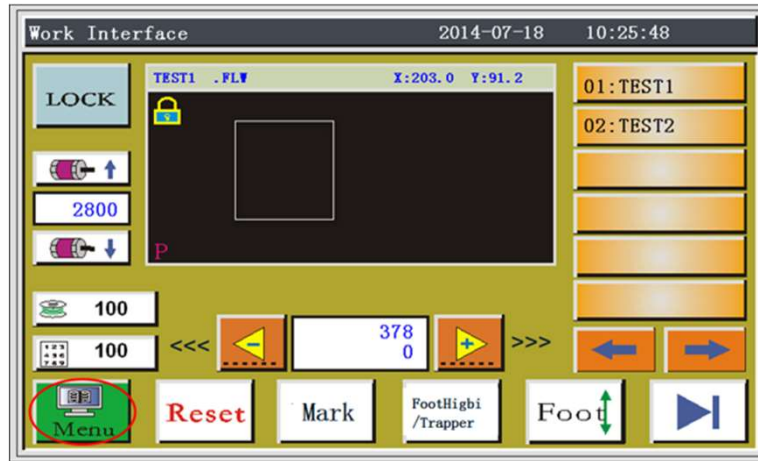
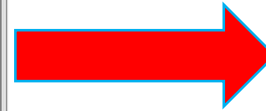


5. Ingreso a menu

Press



menu key
and enter
the setting
window of
main menu

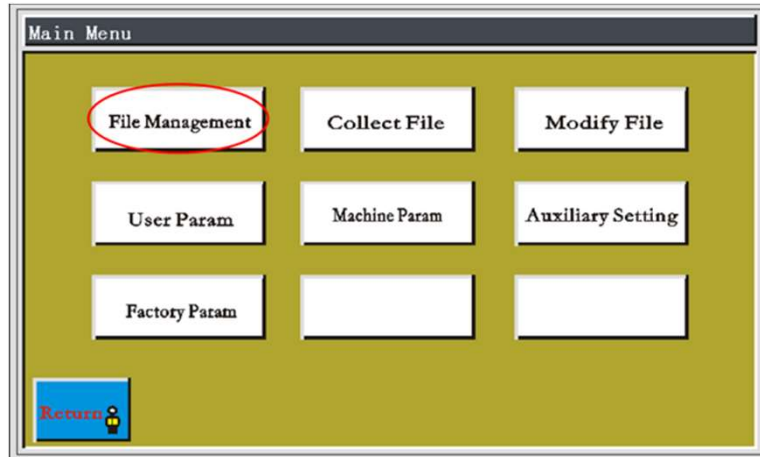


1. File management : Manage the memory file with the U disk file and import and export documents operation
2. File collection: by editing generated trajectory pattern file (play)
3. Modify the file: for the currently selected file modified designs
4. User preferences: set the user process need to adjust the parameters
5. Mechanical parameters and auxiliary Settings: used for processing auxiliary setup and maintenance debugging use
6. Factory parameters: restore factory Settings and management of the factory parameters

6. Lista de diseños

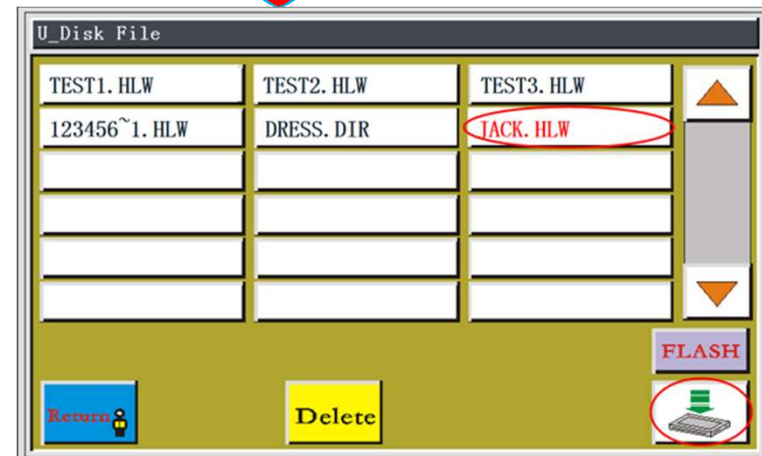
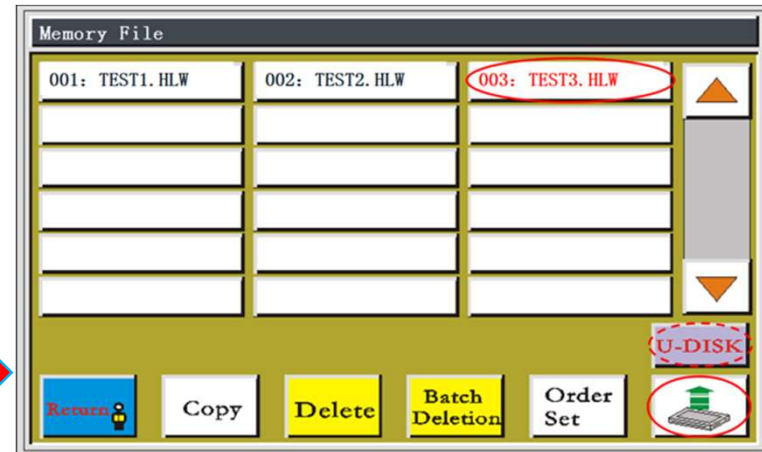
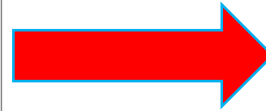
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文件管理

Press file management key and enter the window of file setting

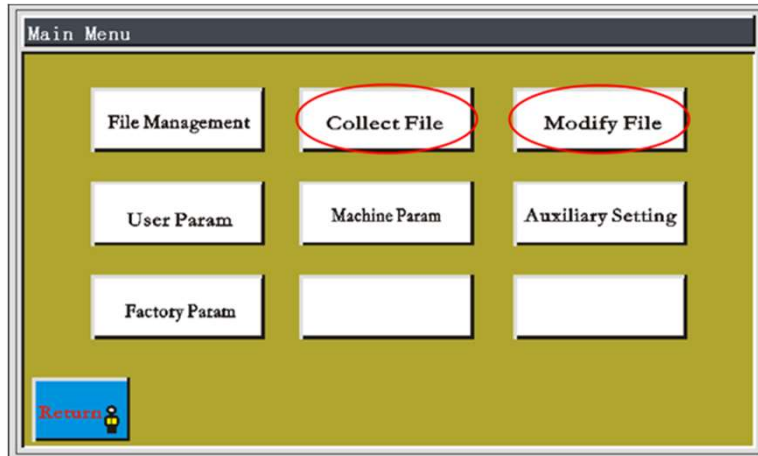


1. Stored at most 999 file storage space, and no more than 256 m, the file name can't more than eight characters, if Chinese characters in the file name is not more 4
2. Click select files, select the file name into red
According to the need for the selected file again for the corresponding operation
3. USB can import and export files, Support for HLW file, Support HLW suffix files in the folder

7. Crear un diseño Nuevo.

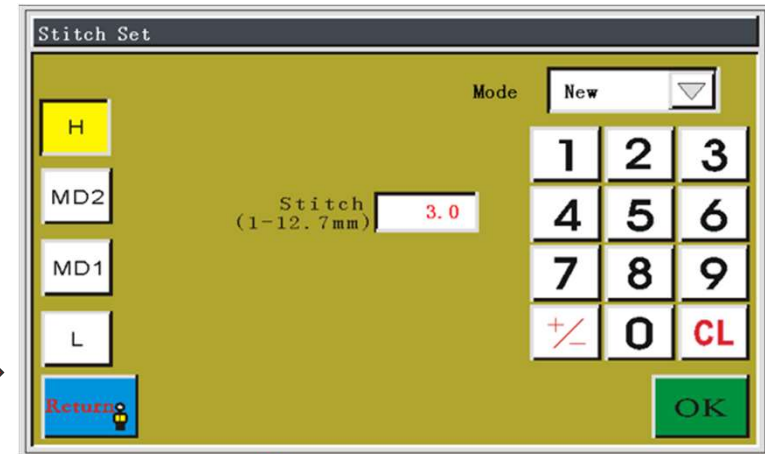
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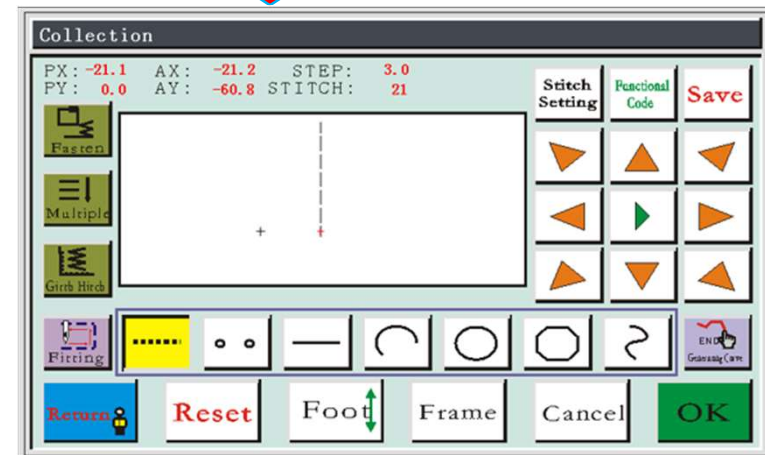
采集文件

Press file collection key and enter the window of needle setting



1. Pattern collection: Edit pattern on the machine screen by tracking line and form pattern model

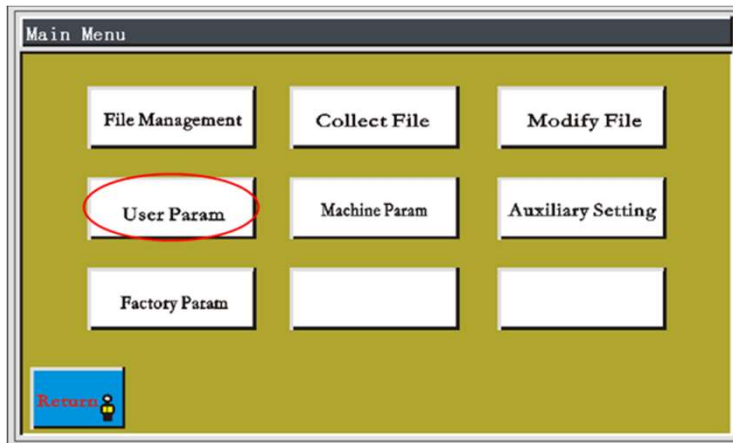
2. Revise file: Revised and edit the current selected file



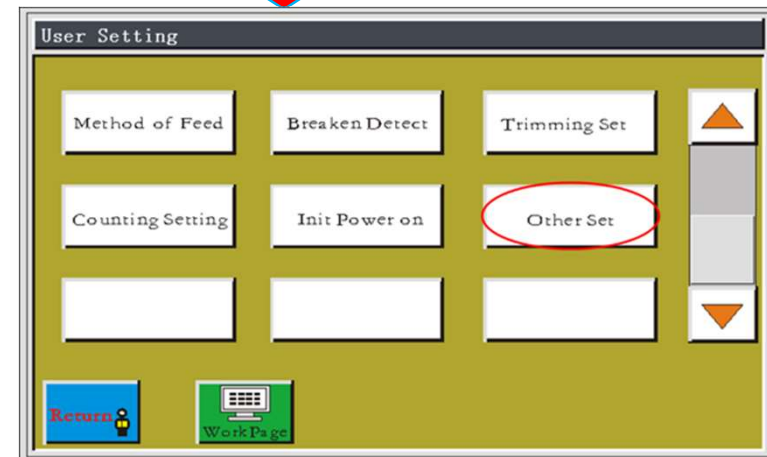
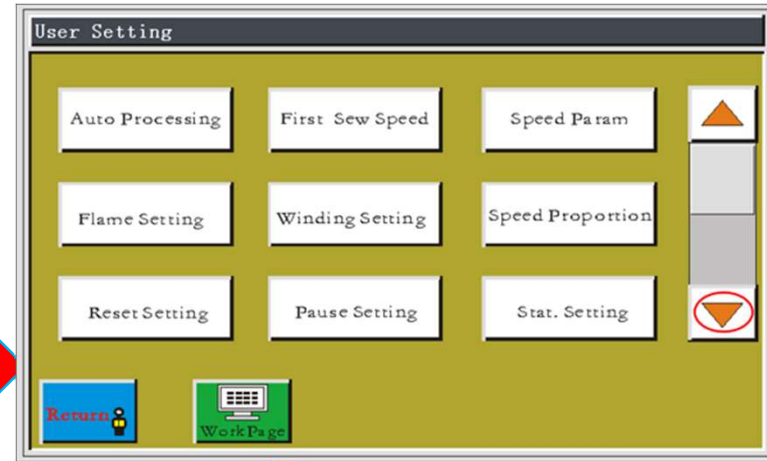
8. Parametros de usuario

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Press “User parameter” to enter the user settings interface



1. Boot screen Click the menu, enter the main menu and then click the user parameters, enter the user settings interface

2. And then click on the parameters to debug the module, enter the password 25103618 then confirmation

3. After changing the parameters, confirm and save

★ **Chinese and English switch in other settings**

9. Parámetros.

Parameter classification	parameter name	range	Defaults	Parameter Meaning and Remarks
Automatic processing	After the automatic processing is completed, the pressure plate is lifted	Yes/No	No	
	Automatic constant speed processing mode	Spindle / feed	FEED	Fixed
	Automatic processing is completed after thread cutting	Yes/No	Yes	
	Return to position after automatic processing is complete	Origin Point /Sub-origin point	Sub- origin point	"Origin" is the origin of absolute coordinates; "Sub-origin" for the file to add the secondary point (offset point)
	Free move and loose tread is on	Yes/No	No	(Fixed) whether it has been loose when sewing
	Start Sewing repeat stitch times	Off/1/2	Off	"1", "2" indicates the needle, repeat the sewing of the first needle 1 or 2 times and then sewing the next stitch. "Off" does not repeat sewing.
	Start sewing loose thread stitch times	0~255	0	

10. Parameter table

Parameter classification	parameter name	range	Defaults	Parameter Meaning and Remarks
Starting Speed	First stitch start speed (rpm)	100-3000	300	(On demand) From the static acceleration to the highest sewing speed, up to 5 stages of acceleration process. Increasing the speed too quickly may cause the initial needle stitch to be small.
	Second stitch start speed (rpm)	100-3000	600	
	Third stitch start speed (rpm)	100-3000	1000	
	Fourth stitch start speed (rpm)	100-3000	1600	
	Fifth stitch start speed (rpm)	100-3000	2000	
Speed Parameters	Spindle maximum speed (rpm)	100-3000	2800	Limit the maximum working speed at the main interface
	Pressure frame idling speed (mm / min)	100~50000	15000	During the normal sewing, pressure frame moving speed

11. Parameter table

Parameter classification	parameter name	range	Defaults	Parameter Meaning and Remarks
Reset settings	Back to the original pressure plate down	Yes/No	Yes	
	The way back to the origin	XY Same time/X/Y	XYSame time	"XY at the same time" that at the same time began to return to the origin, "X priority" that X axis first return to the origin, then Y axis back to the origin.
	The speed of backing to origin (mm / min)	100-20000 100~8000	8000	
Pause settings	Automatic trimming when paused	Yes/No	No	"Yes": on the self-locking switch, press the machine to pause, release the automatic thread cut, then press the "start" will continue to run. "No": do not automatically cut line
	Pause needle position	Up/Down	Up	
	The frame rises when paused	Yes/ No	No	

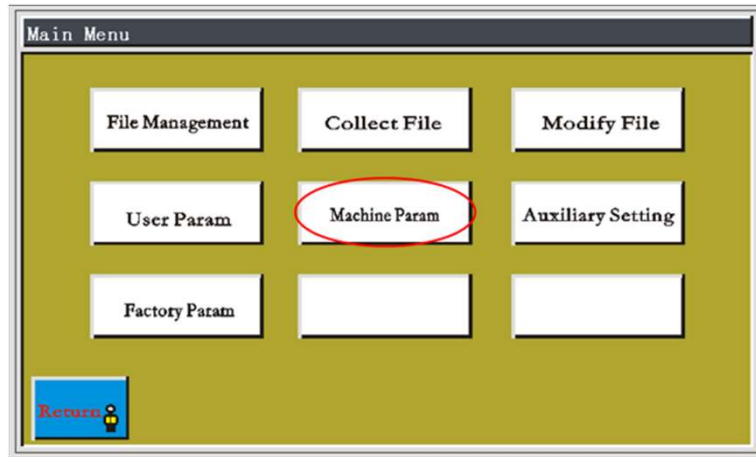
12. Parameter list

Parameter classification	Parameter name	Range	Default	Parameter Meaning and Remarks
Thread break detection	Thread break automatic detection	Yes/No	Yes	Whether to enable thread break detection
	Thread break automatic trimming	Yes/No	Yes	After thread break is detected, automatically thread trimming
	Check the number of valid stitches when thread break	1-255	7	Continuous detection of the set number of stitches broken, that is indeed thread break
Trimming setting	Trimming main shaft speed (rpm)	10-2000	260	
Others setting	language setting	Chinese/English		
	At the end of the job	Back to 0 point/right side/start position/default	Back to 0 point	Back to 0 point: XY axis coordinates are 0 points Right side: most right side of the processing range Start position: the first sewing point of the processing document
PROJECT NAME date 项目名称 日期		CONFIDENTIAL		25

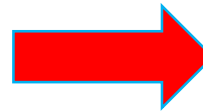
13. Parametros tecnicos.

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Press the mechanical parameters into the mechanical parameters interface

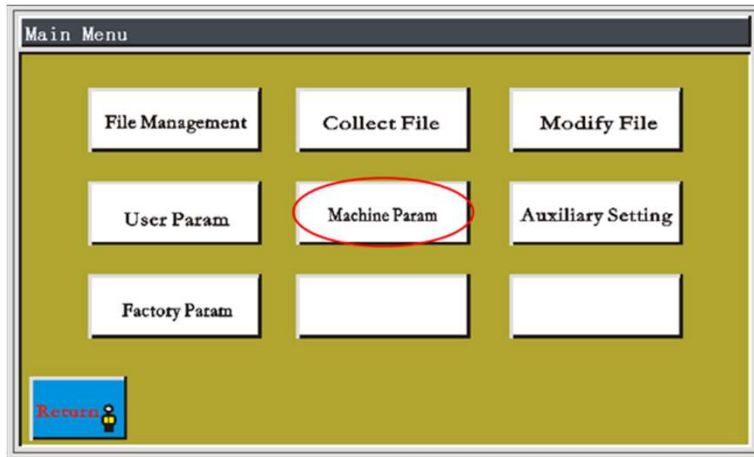


1. Start the screen click on the menu, enter the main menu, and then click the mechanical parameters, enter the machine parameter interface
2. Click on the parameter module to be debugged, enter the password 47285840 then confirm; change the parameters, confirm to save
3. Resolution setting: the transmission ratio, the system for each pulse of a mechanical movement of the distance (unit: micron),
Used to adjust the control movement size and the actual mechanical movement size consistent
4. Presser foot follow set: set the height and action time of middle presser foot
5. Press plate size setting: X axis and Y axis limit setting, limit compensation
6. Axis operating parameters: set the motor operating mode, the presser foot swing range
7. delay settings: automatic running mode
8. Input and output port settings: Mechanical instruction mode

14. Parametros tecnicos

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Press the mechanical parameters into the mechanical parameters interface

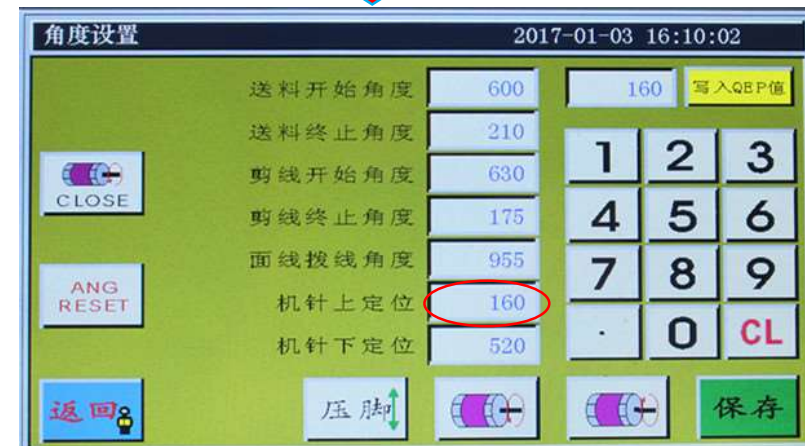


1. Shaft angle setting: enter the password 47285840 then confirm; after changing the parameters, confirm to save

★ The smaller the feed start angle value, the feed advance; on the contrary, the bigger value the feed delay; according to the material thickness and thread to adjust this parameter which decides it's good or bad stitches.

2. The stop position of take up lever is up position of needle, with a value of 160

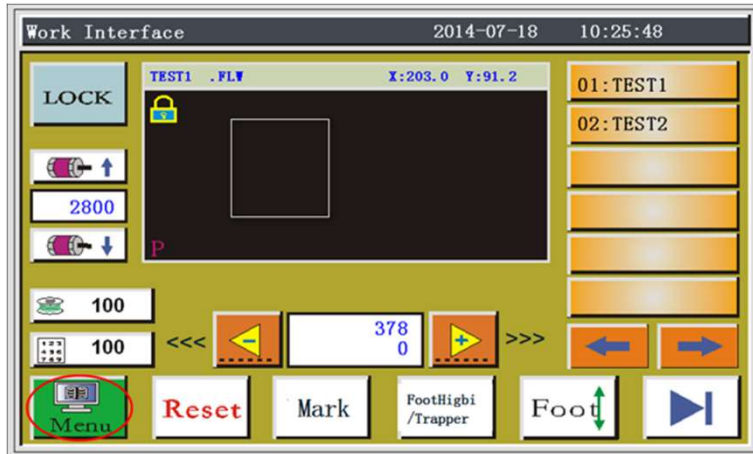
★ If machine positioning is wrong, it will direct impact on trimming



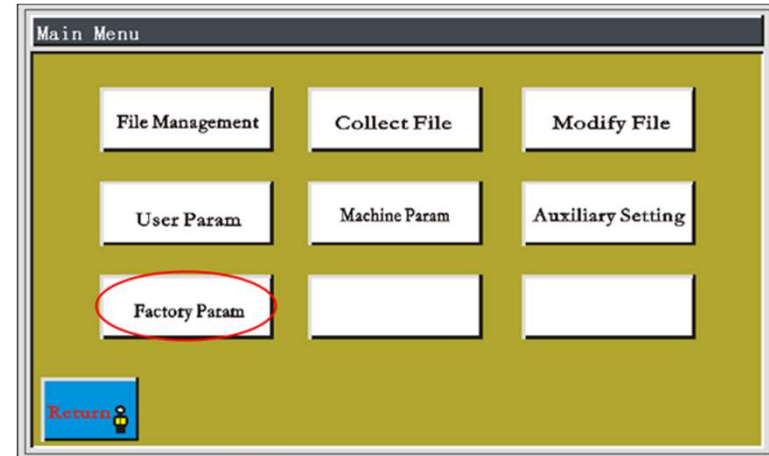
15. Resteo de fabrica.

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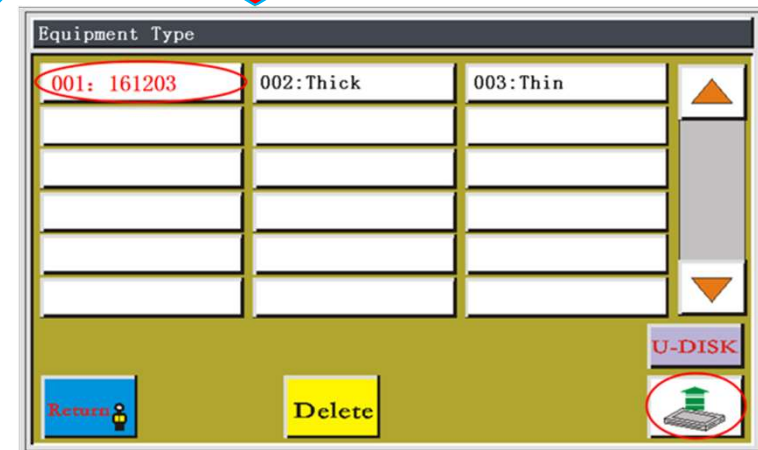
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Press 
enter into
main menu
Settings
interface



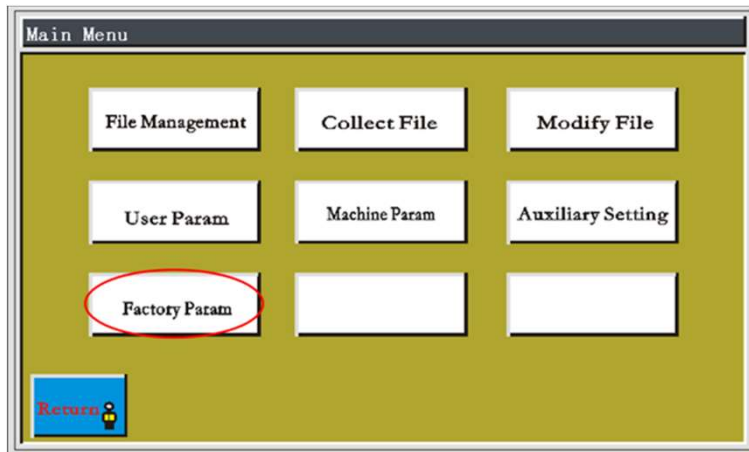
1. Click on the menu button to enter the main menu
2. Click the factory parameter to enter the device type interface
3. Click the file name to change the file name to red
4. Click it again and Save



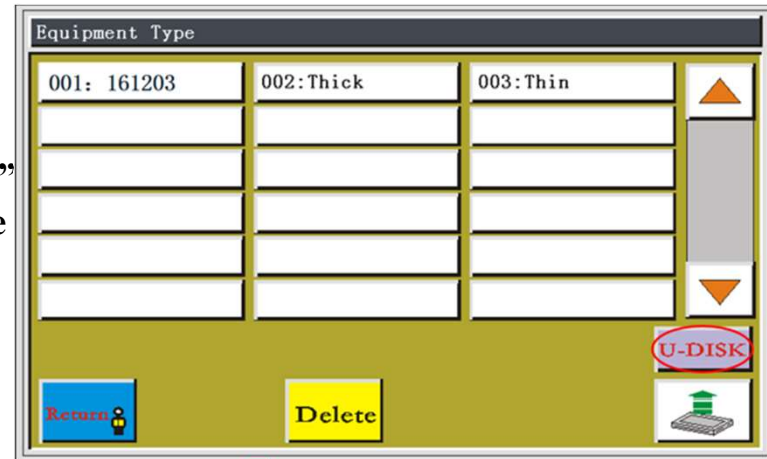
16. Introducir update de parametros

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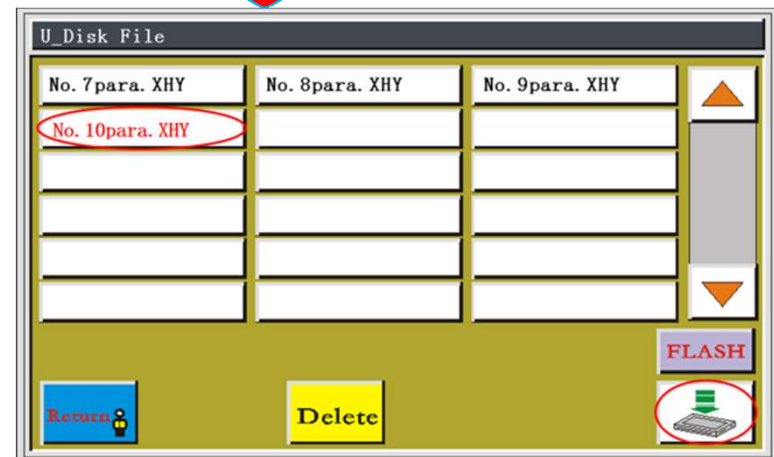
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Press “factory reset parameter” enter into device type settings interface



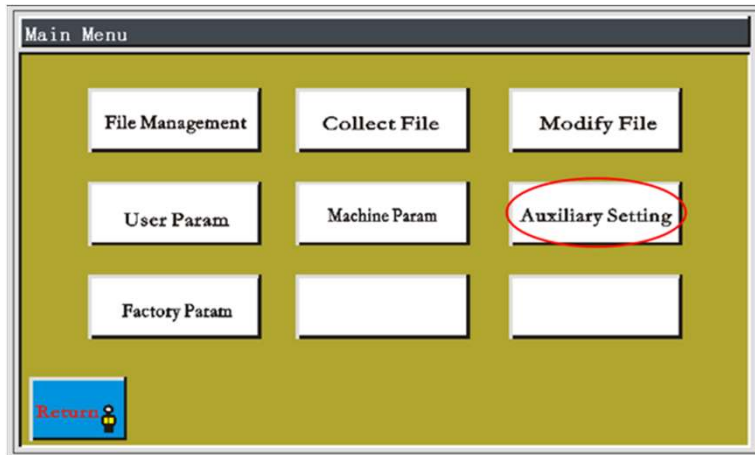
1. The.XHY file in the root directory of U, Insert U disk
2. Interface screen, click the menu button to enter the main menu, then click out factory parameters, Enter into device type interface
3. Click the memory convert , display U disk file interface
4. Click the file name to change the file name to red Then click the copy button, press exit, return back Click the factory parameters, select the file to input
- 5,Save, press exit, return, press reset key



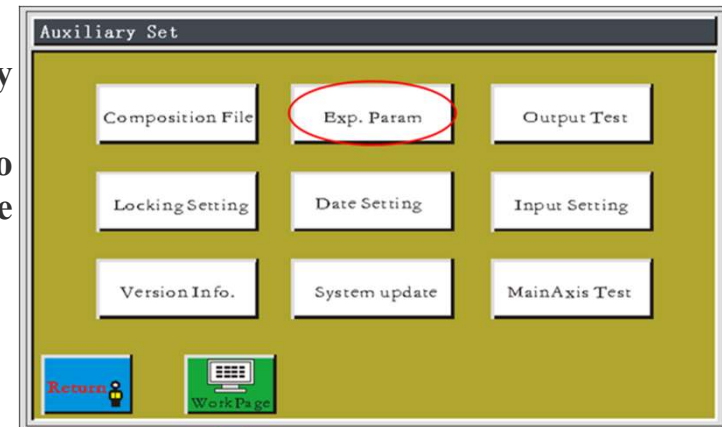
17. Output parameter setting

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Press “auxiliary setting button enter into auxiliary interface setting



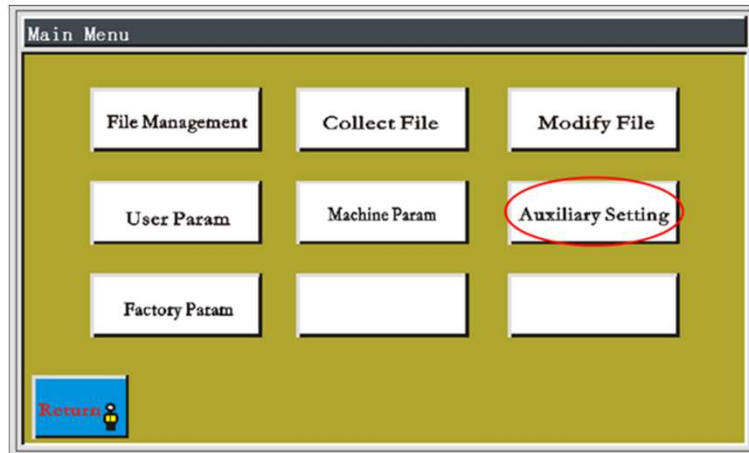
1. Insert U disk
2. Interface screen ,click menu, enter into the main menu interface, and then Click on the auxiliary settings, enter into auxiliary settings interface
3. Then click the export parameters, input any number as the file name Confirm finally.
4. Display “ Export parameter is successful ” please return
5. Export of the file to.XHY as a suffix U disk inside



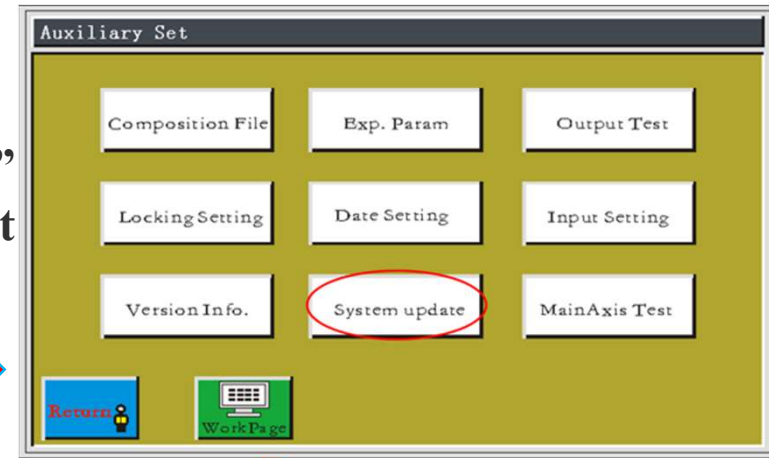
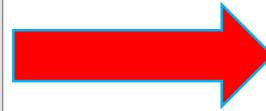
18. System update

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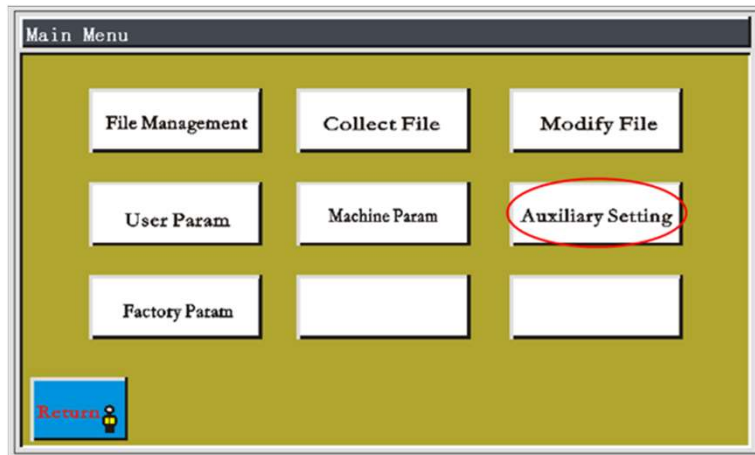
Press
“auxiliary
setting
into
setting page
next
setting page”



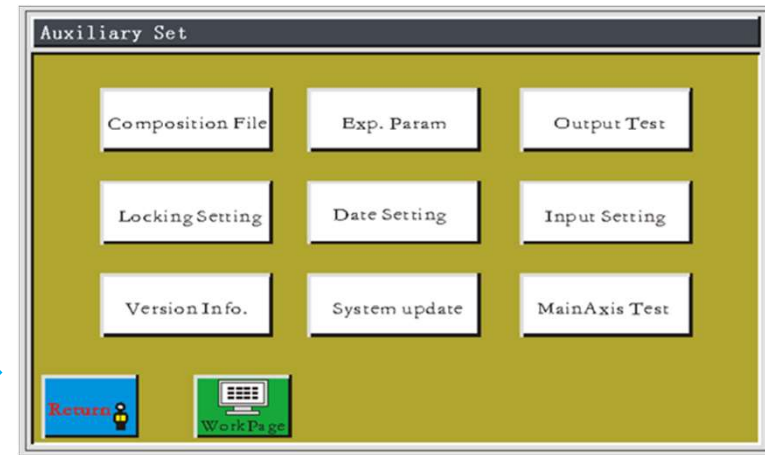
1. Put the updating file into USB and plug it in the panel
2. Power on press Menu and into it, press into this page
3. Press system update then confirm
4. Showing “If need system update?” press Confirm key
5. Waiting for about 1 minute, the buzzer sound, the system restart to return to the boot screen, indicating that the success of the upgrade

★ Update file type: **TZD_H015.TFL**
★ During updating, can't power off

19. Auxiliary settings

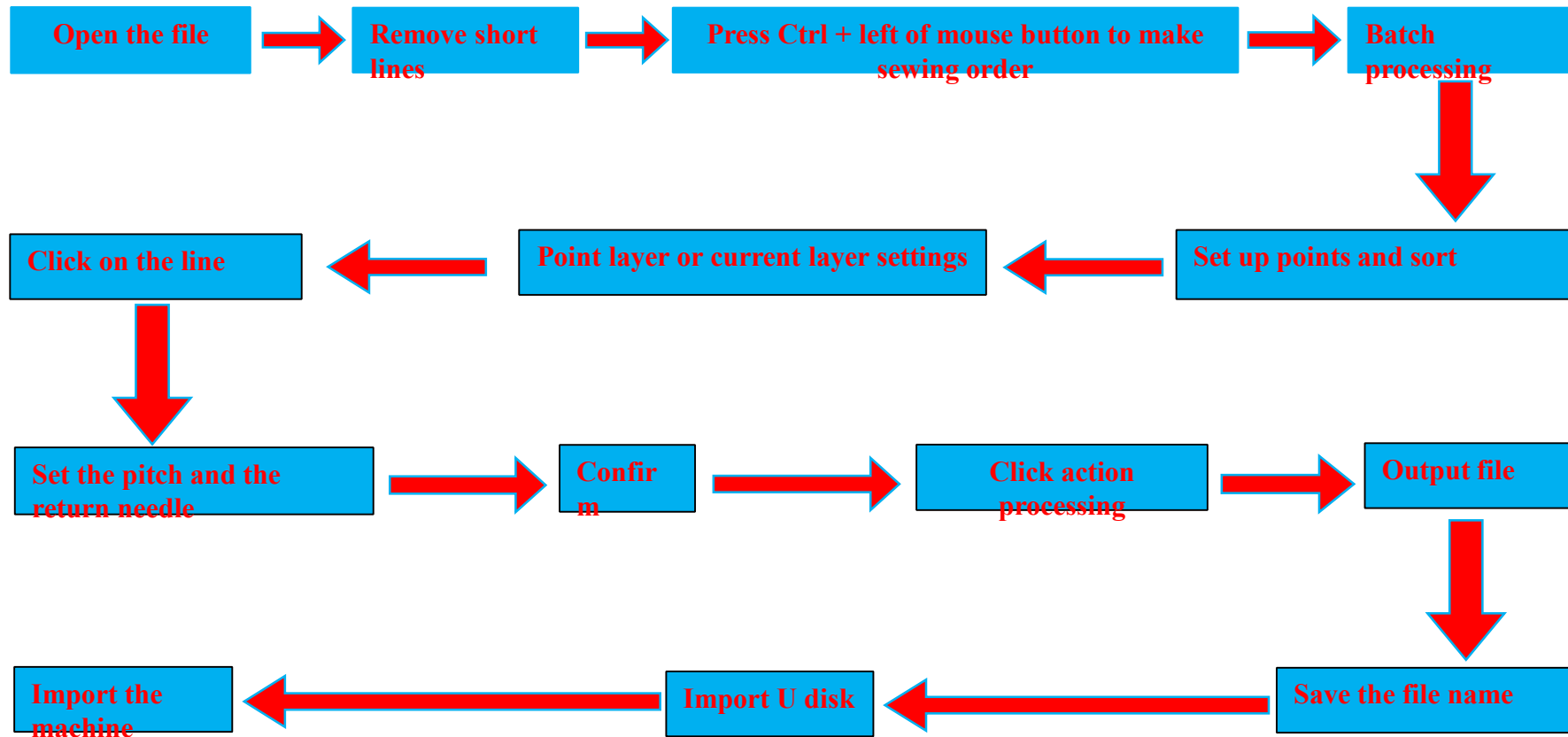


press
“auxiliary
setting”
into next
setting page



1. Combination file and spindle test: The machine software version does not support
2. Lock machine settings: set the management password, use the time limit, export password and so on. Password **1111111** ★ **Be careful to use**
3. Date setting: Setting system time, password: **1111111**
4. The information of version: The displayed is the current version of the system
5. Output test and input test: maintenance, test output input control is normal or not

20. CNC software operation steps



21. CNC software video

**the functions
introduction of
CNC software
(video)**

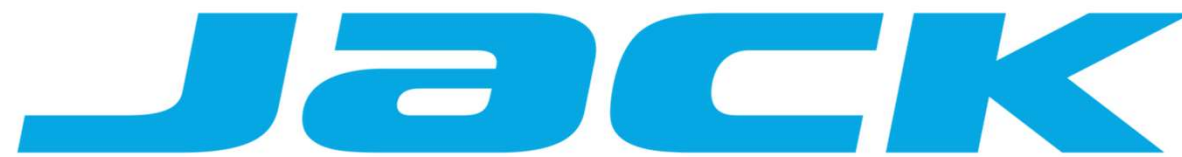
**Serial number
setting (video)**

**Point pen
function setting
(video)**

**The flat pattern is imported
directly into the software (video)**

**Double layer
production
(video)**

CAD video

The logo for JACK, featuring the word "JACK" in a bold, blue, italicized sans-serif font.

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Template machine Mechanical adjustment

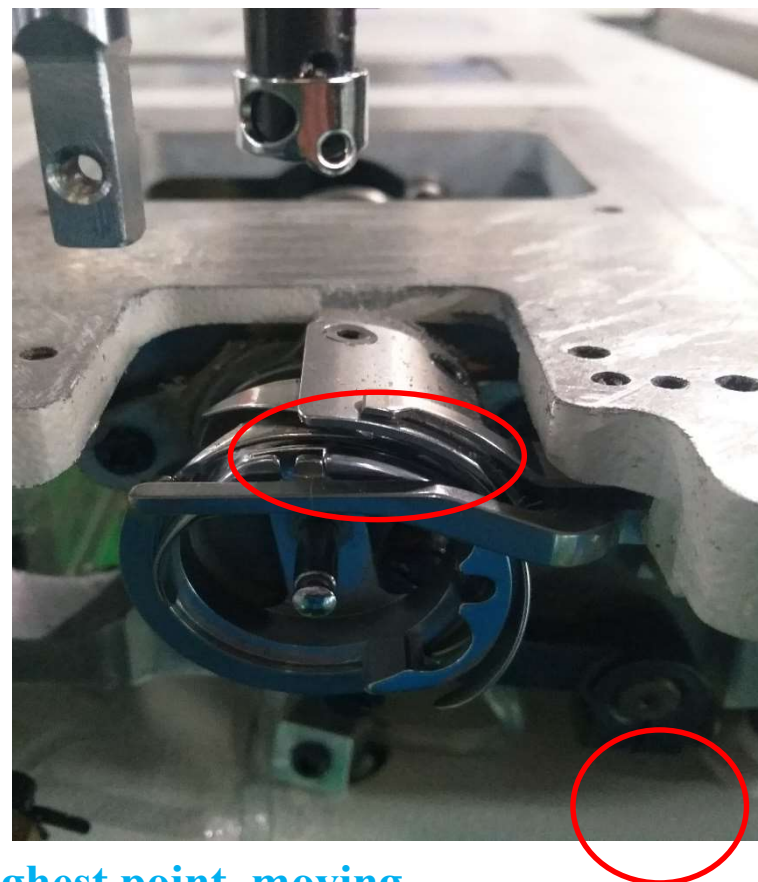
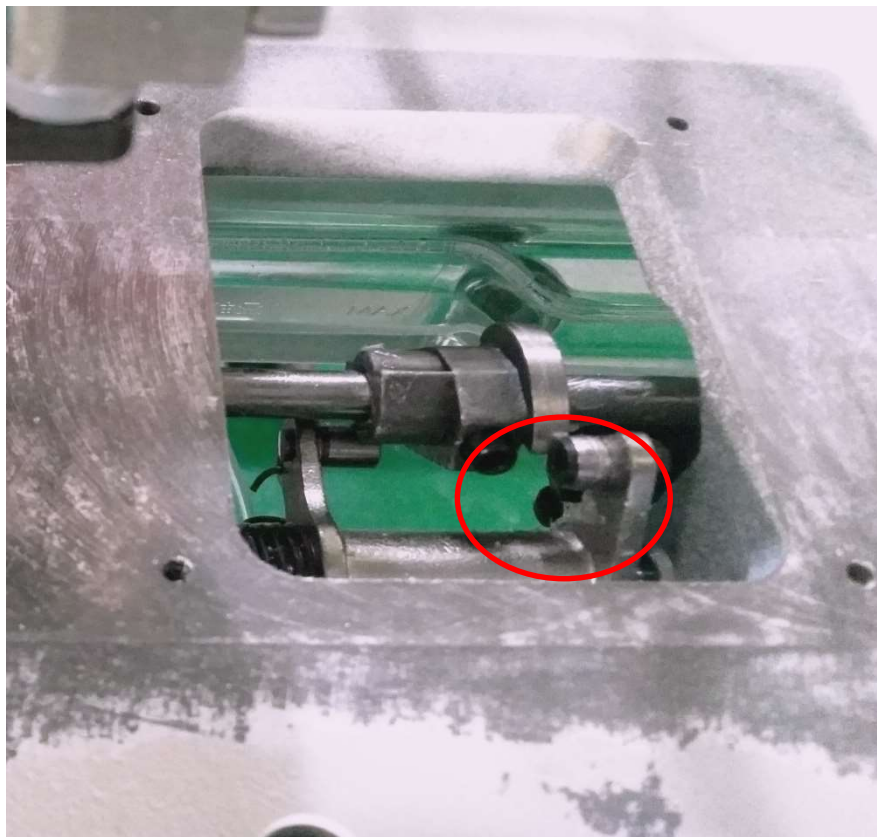
1. Height of needle bar and time of getting thread of hook



when the needle bar come to the lowest point, keep 1/2 needle hole in your eye

2. Moving knife and fixed knife

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the ball of trimmer in the wheel of trimmer's highest point, moving knife touches with fixed knife 1mm.

3. Trimmer adjustment

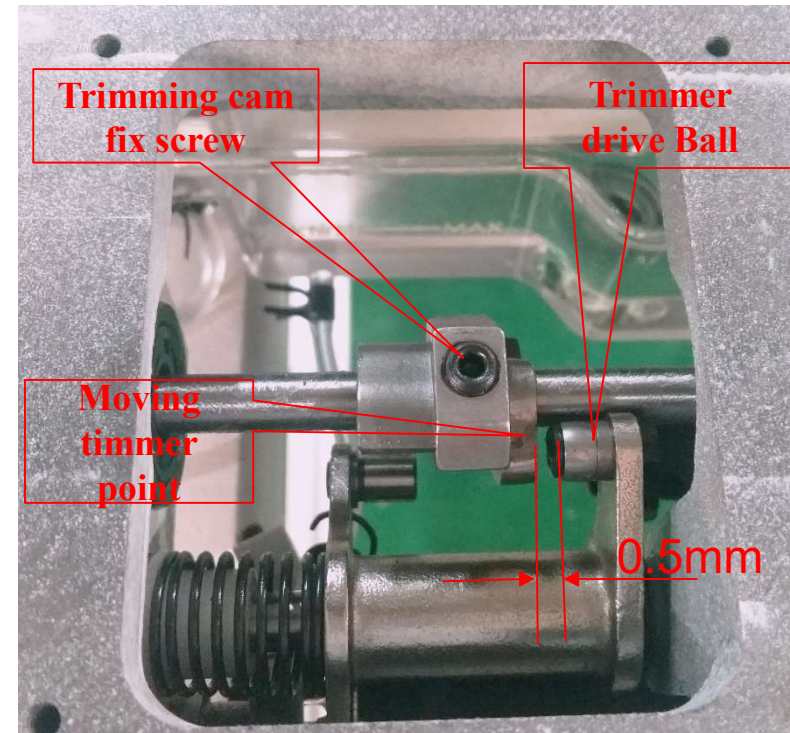
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Adjustment:

1. Before adjust the trimmer time, we have to adjust the height of needle bar, hook and machine stop position.
2. When the hook thread dividing point is in the position of the picture, the distance to the needle middle line 5mm. Adjust the trimmer wheel to the position of trimmer's getting moving.

Adjustment introduction:

When moving knife divides the thread, don't let the thread moves from the hook and keep as longer as enough of the thread into hook, which means the thread will be longer after trimming.

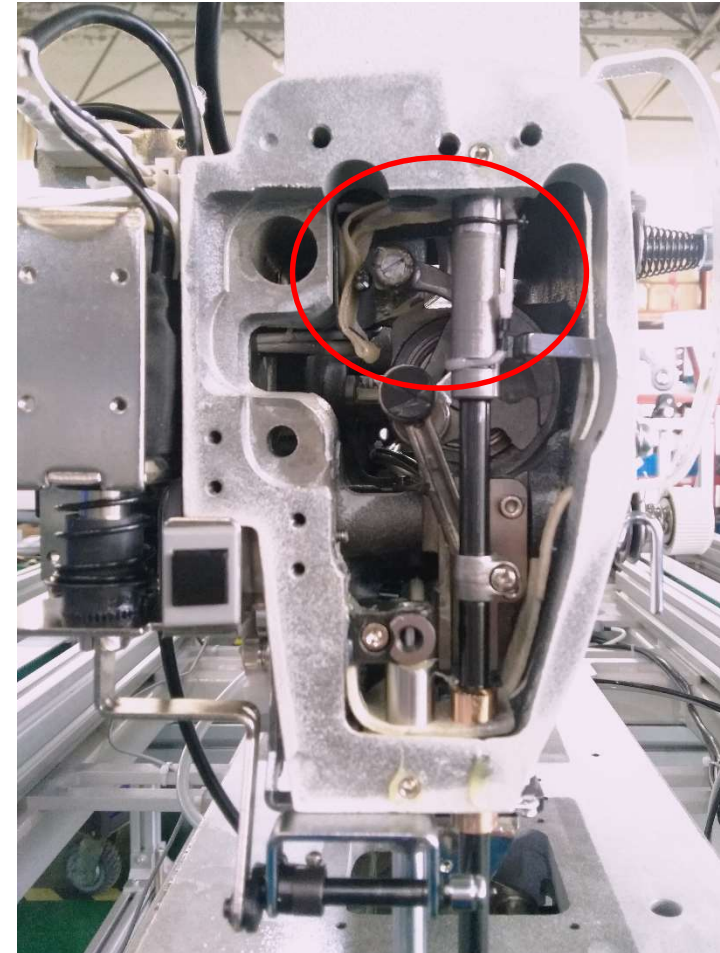


5. Oil supply of head

JACK 杰克



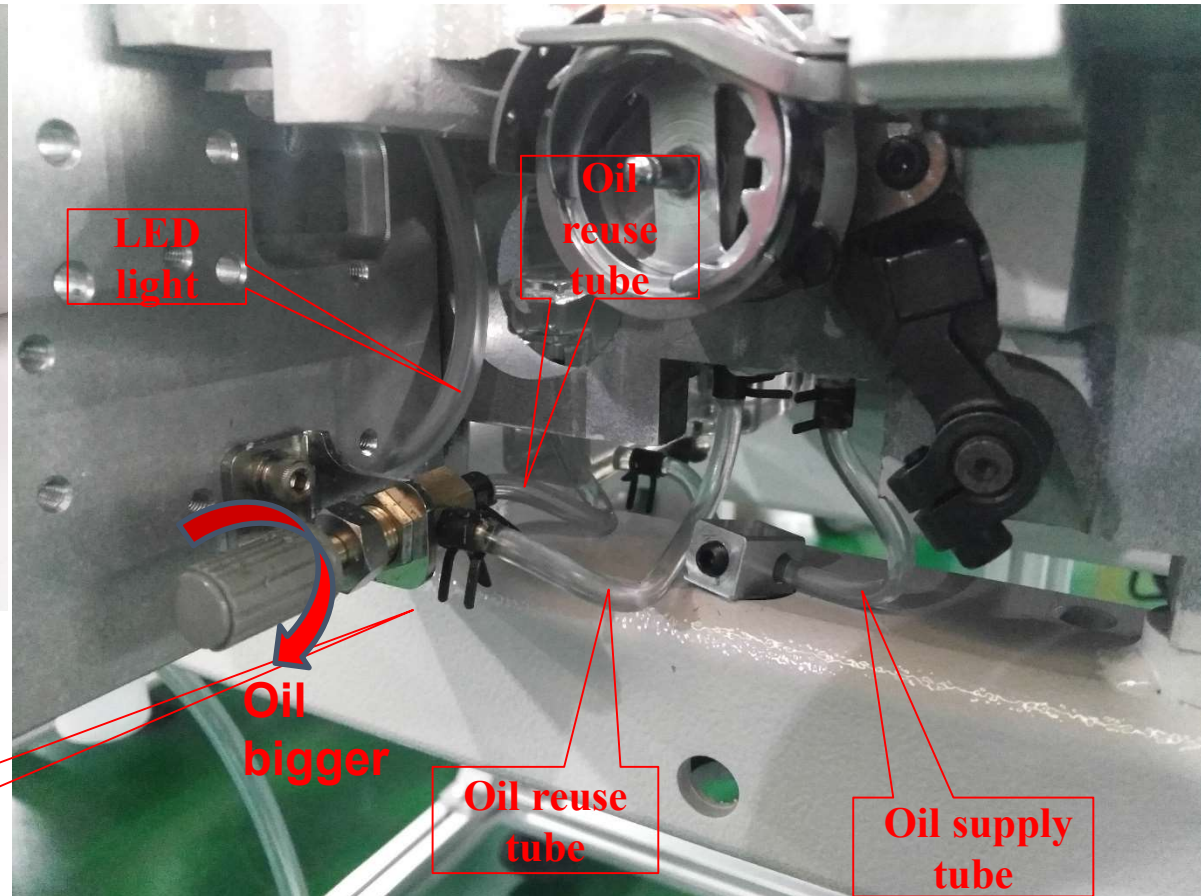
Small
amount
oil
adding.



1. oil thread supplying.
2. oil adding hole is the top of machine,
3. Add small amount of oil, avoid the oil leakage.

6. Hook oil supply

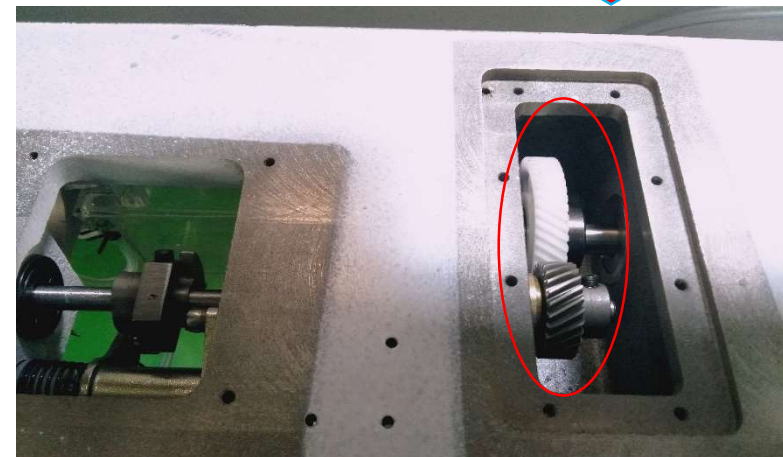
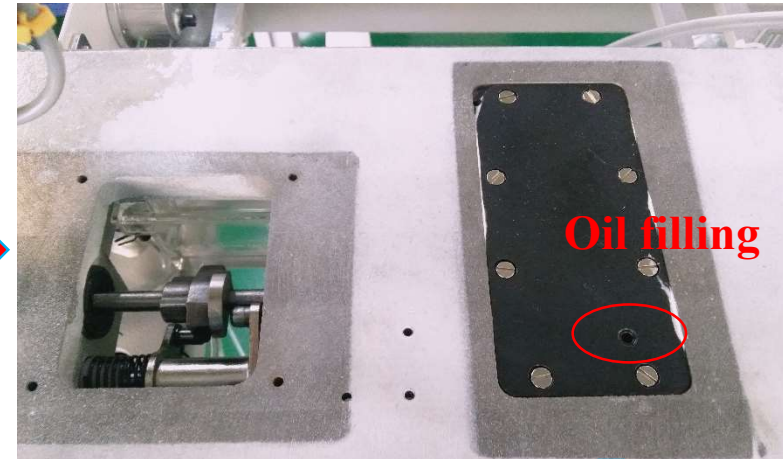
JACK 杰克



7. Gear box oil supply

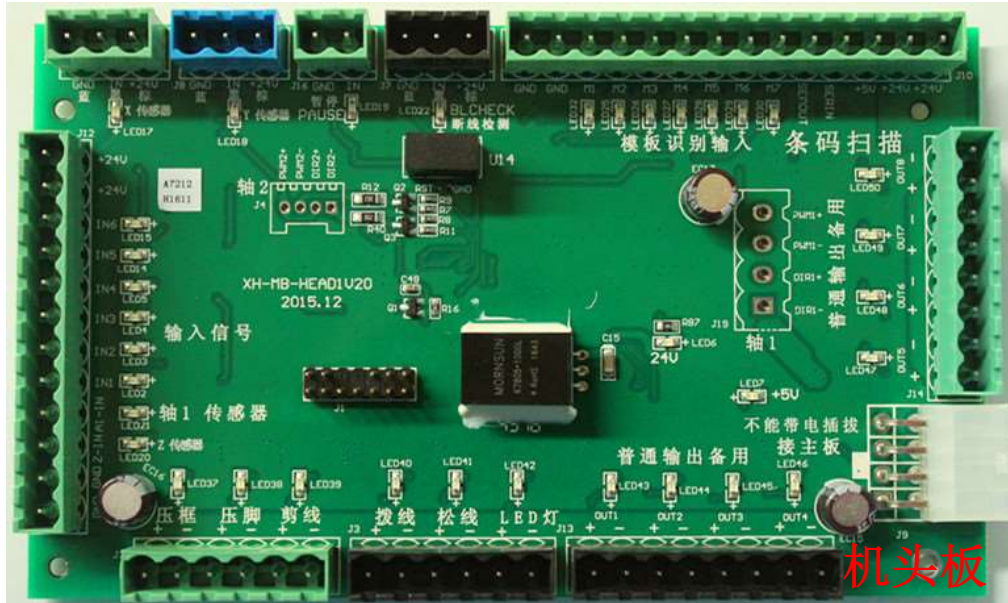
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1. Only pull down steel plate on the surface of the machine, then could see oil filling port
2. Replace gear box oil, Oil drain hole in the bottom of the machine
Put the screw out and then oil outlet

8. Maintenance test



1. Auxiliary work interface and output testing interface, press the corresponding button, The nose plate LED light will bright red light
2. Manual trigger related sensors and machine action, you can check input test interface in the connecting plate and if the view is the state of the input change, check if the red light on the head plate lights up, to detect circuit is normal or not

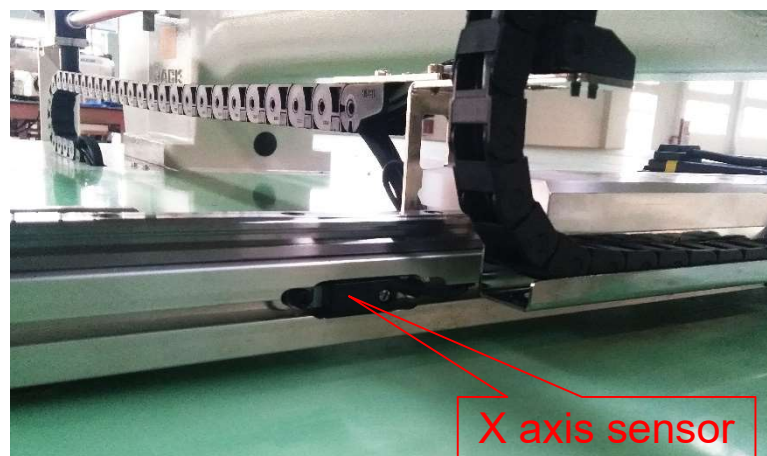
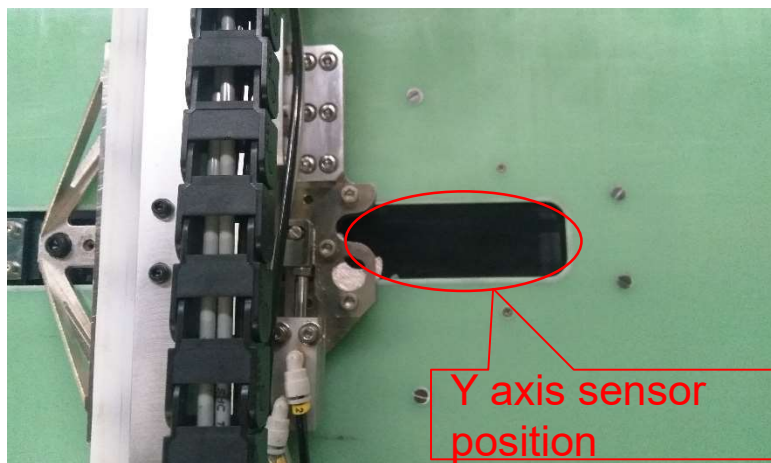
OutTest					
	Output Duty Ratio	Start to Continue			
Out 1 Plate	100%	20	Test	OUT1	ALL TEST
Out 2 Foot	100%	20	Test	OUT2	LED
Out 3 Cut	100%	20	Test	OUT3	OUT12
Out 4 Drawing	75%	20	Test	OUT4	OUT11
Out 5 Loosening	75%	60	Test	OUT5	OUT10
Out 6 Buzzer	100%	0	Test	OUT6	OUT9
			OUT7	OUT8	
Return			Ex_Axes Test		

Input Test					
X Limit	High	E3 Limit	High	Input2	High
Y Limit	High	Urgent stop	High	Input3	High
Z Limit	High	Foot	High	Input4	High
U Limit	High	Frame	High	Input5	High
E1 Limit	High	Break	High	Input6	High
E2 Limit	High	Input1	High	Input7	High
Recognition Input			0		
M1	High	M2	High	M3	High
M5	High	M6	High	M7	High
		M4	High		
		M8	High		
Return					

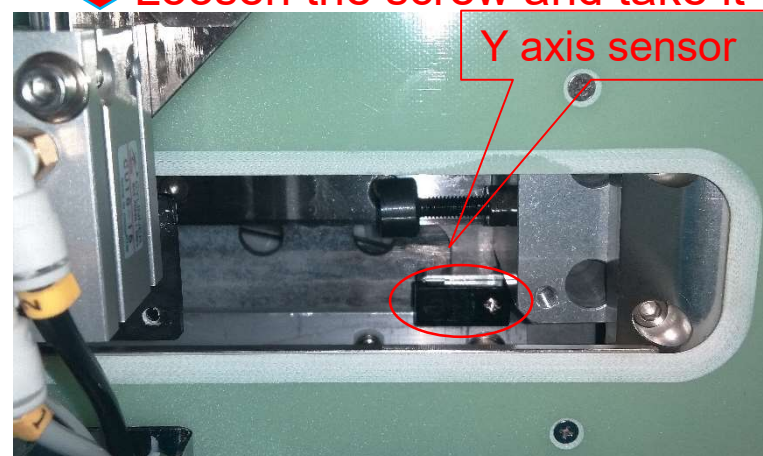
9. Sensor

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Loosen the screw and take it



10. Control box& air cylinder

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China No.1

