

Operating instructions

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Operating instructions

Chapter 1 Introduction to Basic Images

1.1 Basic Screen

1.1.1 Turn on the power switch

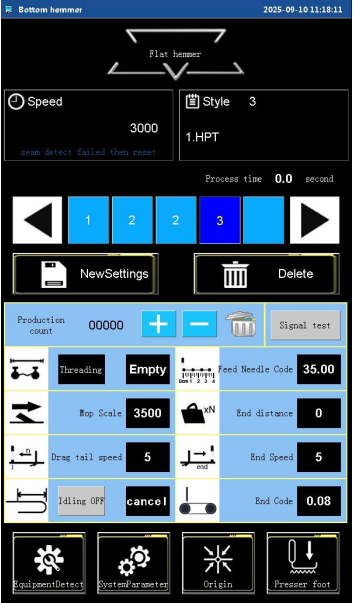
1. After power on, the language selection interface will be displayed.



2. Click the left button to enter the English interface.

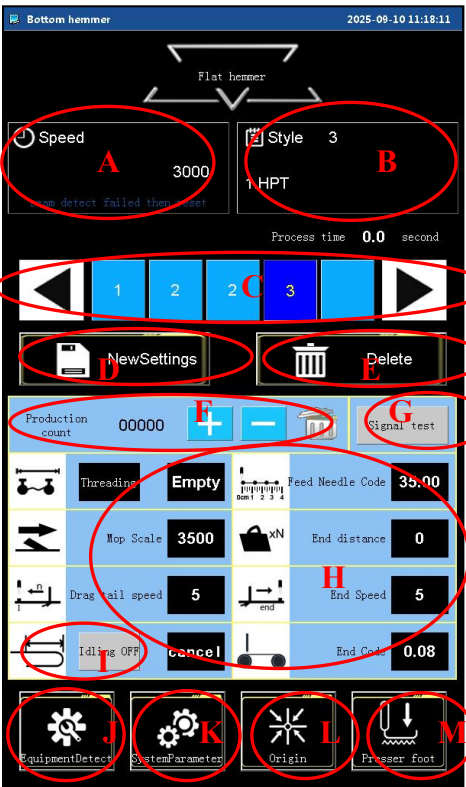


3. Click the button on the right to enter the Chinese interface.



Language interface entrances on both sides, language settings can be set through the parameter directory

1.1.2 Introduction to the Main Interface



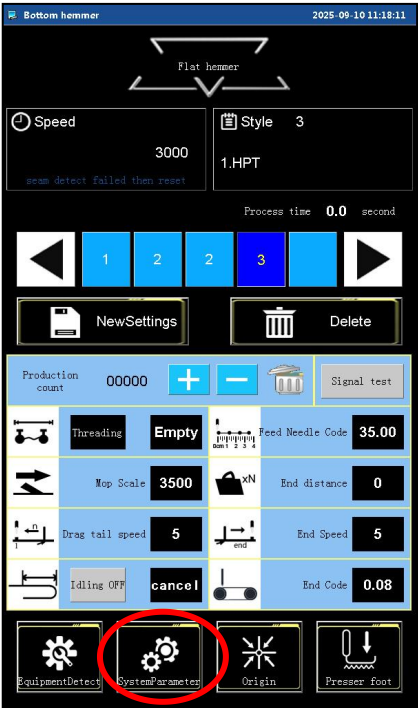
Serial	Name	Content
A	Speed regulation	Sewing speed regulator
B	Style	Display the size of the current sewing pattern
C	Style	Style selection
D	Newly build	New Style
E	Delete	Delete style
F	Production quantity counting	Production quantity counting setting
G	Signal detection	Enter the input signal detection interface
H	Parameter settings	Set sewing parameters
I	Empty delivery	Close/Open
J	Device detection	Enter the motor debugging interface
K	System parameter	Enter parameter directory
L	Origin	Perform a return to original action
M	Pressing feet	Press the foot to lift or lower it

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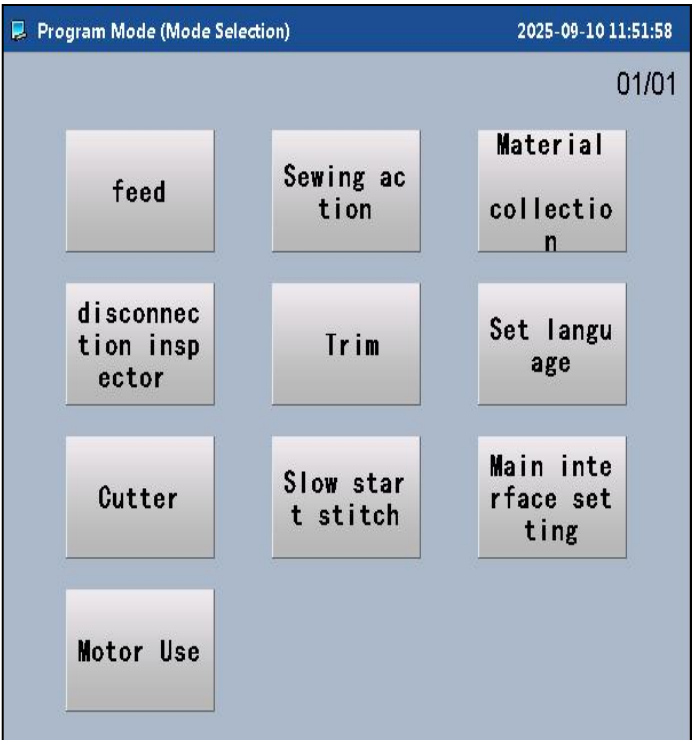
Chapter 2 Parameter Catalog

2.1 Menu Catalog

Click on system parameters

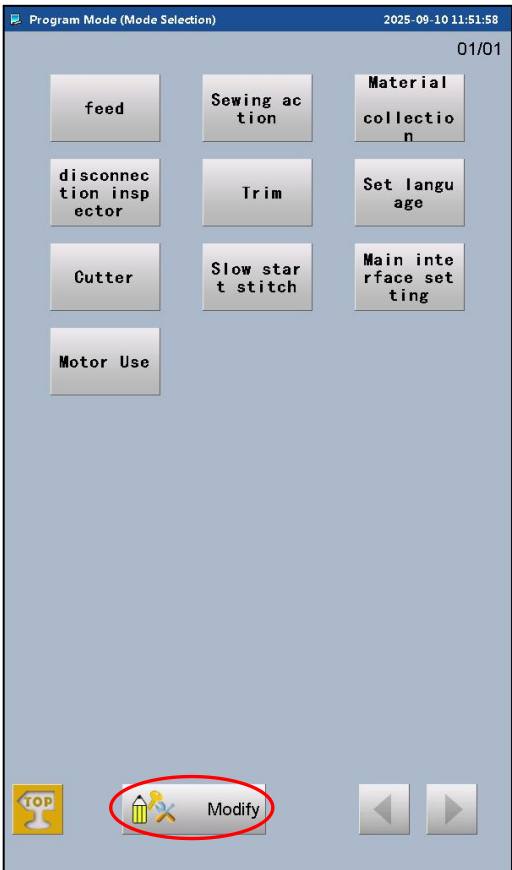


2.1.1 Enter parameter directory

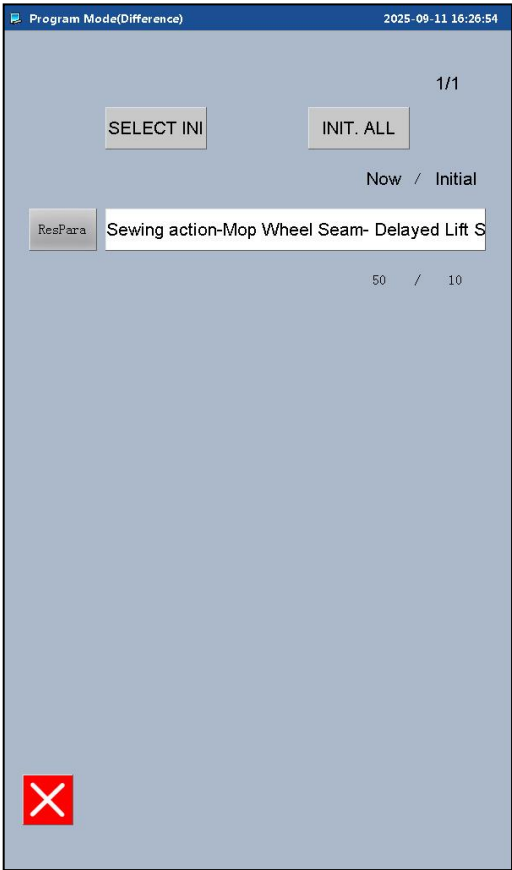


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2.1.2 Enter parameter comparison and restoration mode



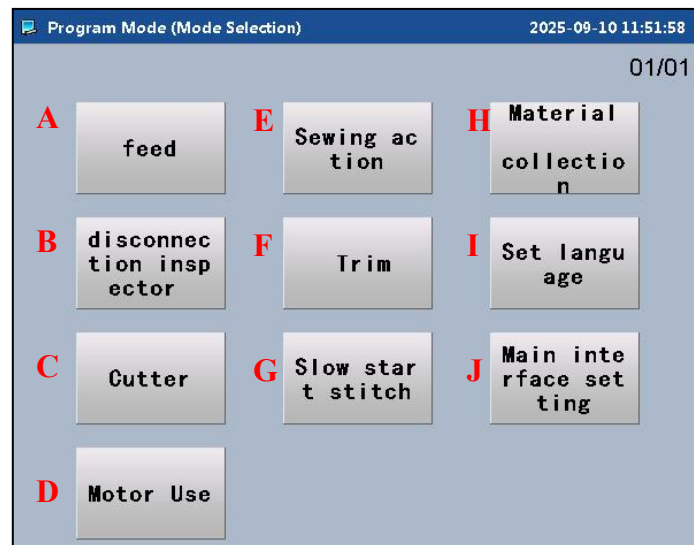
Click on 'Modify' to enter Program Mode(Difference).



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2.2 Parameter Settings

2.2.1 Introduction to Parameter Catalog



Seria	Name	Content
A	Feed	Feed blocking cloth detection switch;Distance of feeding blockage cloth; Feeding request switch;Feeding alarm distance; Continuous no-load test switch; Number of stitches that cannot be sewn by the feeding;
B	Disconnection inspector	Whether disconnection 1 is valid; Whether disconnection 2 is valid, Whether disconnection 3 is valid;Whether disconnection 4 is valid; Whether disconnection 5 is valid;Number of broken thread detection needles;
C	Cutter	Whether the cutter is used;Empty cutting speed;Advance cutter position; Number of stitches to stop the cutter in advance at the end;
D	Motor use	Default direction of feeding motor; Mop motor default direction; Down feed synchronous value
E	Sewing action	Mop wheel seam- delayed lift stitches;Mop wheel re-drop switch; Mop wheel re-drop distance;Thread loosen seam-delayed open stitches; Thread loosen seam-delayed close;Thread loosen seam end-delayed close; Thread trim cylinder operation;Inhalation line blowing off delay; Advance distance of the second piece of loose line; Delayed opening distance for seam blowing;
F	Trim	Whether thread trimming cylinder is valid (TRM); Delay from trimming open to close(LTM); Delay from trimming close to hook open (TRS); Trim test stitches;
G	Slow start stitch	Start slow needle; Slow stitch first stitch speed; Slow stitch second stitch speed; Slow stitch third stitch speed; Slow stitch four stitch speed; Slow stitch five stitch speed; Slow stitch six stitch speed;
H	Material collection	Whether the material receiving horizontal movement motor is enable; Moving speed of the receiving cross-shifting motor; Large Mat.cyl.(Up/Dn)-Lower Delay;Receiving cylinder delay; Small material-air blow delay;Large material sensing distance; Small material sensing distance; small material receiving delay;
I	Set language	Language displayed on the interface (LAN);
J	Main interface setting	Display Language of icon on the left of main interface.

Operating instructions

2.2.2 Parameter Setting Preview

1) Feed

feed

2025-09-11 16:07:49

01/01

Feed bloking cloth detection switch(ResPara)

ON

Distace of feeding blockage cloth(ResPara)

1000

Feeding Request Switch(ResPara)

OFF

Feeding alarm distance(ResPara)

8000

x10

Continuous No-load Test switch (ResPara)

Close

Number of stitches that cannot be sewn by the Feeding(ResPara)

20

X0.1Sitch

2) Disconnection inspector

disconnection inspector

2025-09-11 16:07:58

01/01

Whether disconnection 1 is valid.(ResPara)

Invalid

Whether disconnection 2 is valid.(ResPara)

Invalid

Whether disconnection 3 is valid.(ResPara)

Invalid

Whether disconnection 4 is valid.(ResPara)

Invalid

Whether disconnection 5 is valid.(ResPara)

Invalid

Number of broken thread detection needles(ResPara)

20

3) Cutter

Cutter

2025-09-11 16:08:09

01/01

Whether the cutter is used(ResPara)

Use

Empty cutting speed(ResPara)

3

Advance cutter position(ResPara)

0

Number of stitches to stop the cutter in advance at the end(ResPara)

0

4) Motor use

Motor Use

2025-09-11 16:08:18

01/01

Default direction of feeding motor(ResPara)

Forward

Mop Motor Default Direction(ResPara)

Forward

Down feed synchronous value(ResPara)

1600

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5) Sewing action

Sewing action 2025-09-11 16:08:30 01/02

Mop Wheel Seam-Delayed Lift Stitches(ResPara) 10  Needles

Mop Wheel Re-drop Switch(ResPara) open 

Mop Wheel Re-drop Distance(ResPara) 500 

Thread Loosen Seam-Delayed Open Stitches(ResPara) 3 

Thread Loosen Seam End-Delayed Close(ResPara) 10  Needles

Thread Trim Seam Start-Delayed Cut Stitches(ResPara) 16  Needles

Thread Trim Cylinder Operation(ResPara) 150  ms

Sewing action 2025-09-11 16:08:38 02/02

Inhalation line blowing off delay(ResPara) 0  ms

Advance distance of the second piece of loose line(ResPara) 30 

Delayed opening distance for seam blowing(ResPara) 100 

6) Trim

Trim 2025-09-11 16:08:47 01/01

Whether thread trimming cylinder is valid(TRM) Valid 

Delay from trimming open to close(LTM) 350  ms

Delay from trimming close to hook open(TRS) 50  ms

Trim test stitches(ResPara) 40 

7) Slow start stitch

Slow start stitch 2025-09-11 16:08:58 01/01

Start slow needle(ResPara) 0 

Slow stitch first stitch speed(ResPara) 200 

Slow stitch second stitch speed(ResPara) 600 

Slow stitch third stitch speed(ResPara) 900 

Slow stitch four stitch speed(ResPara) 1200 

Slow stitch five stitch speed(ResPara) 1500 

Slow stitch six stitch speed(ResPara) 1500 

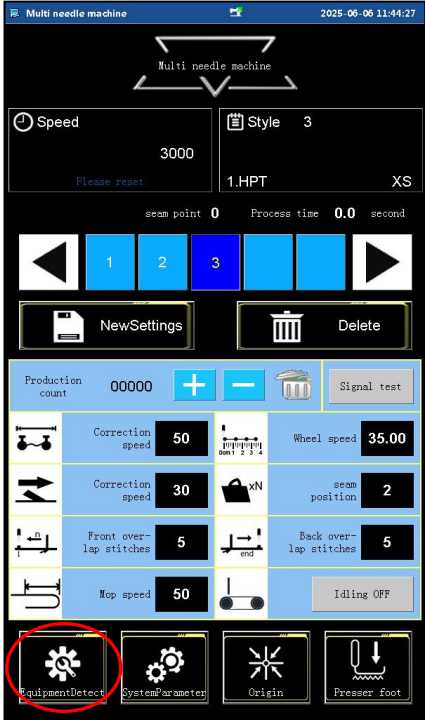
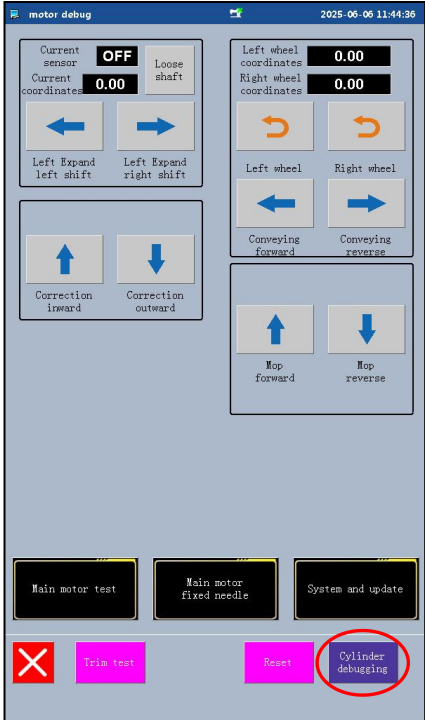
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Chapter 3 Function Introduction

3.1 Equipment testing

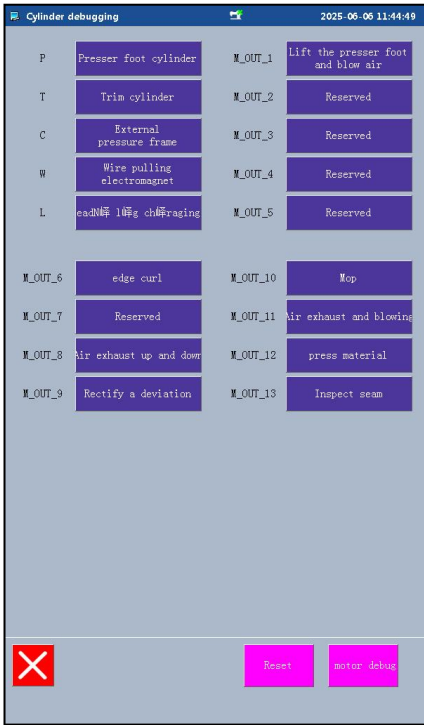
3.1.1 Motor Debugging&Cylinder Debugging

Operating instructions:

Step	Interface
1、Click the "Equipment Detect" button on the main interface.	
2、Enter the motor debugging interface, Click on “Cylinder debugging” to enter the cylinder debugging interface.	

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3、Enter the cylinder debugging interface.



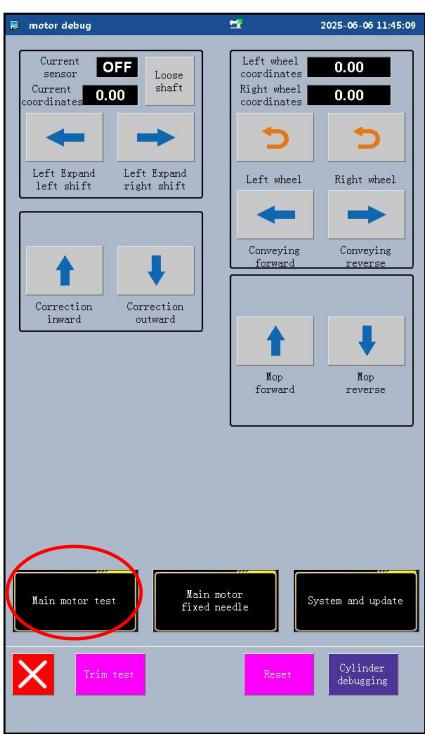
3.1.2Main motor test

Operating instructions:

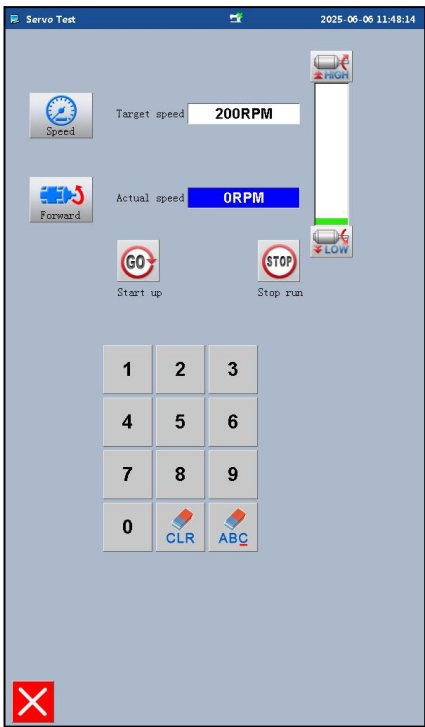
Step	Interface
1、Click on the "Equipment Detect" button on the main interface	

Operating instructions

2、Enter the motor debugging interface and click on "Main Motor Test".



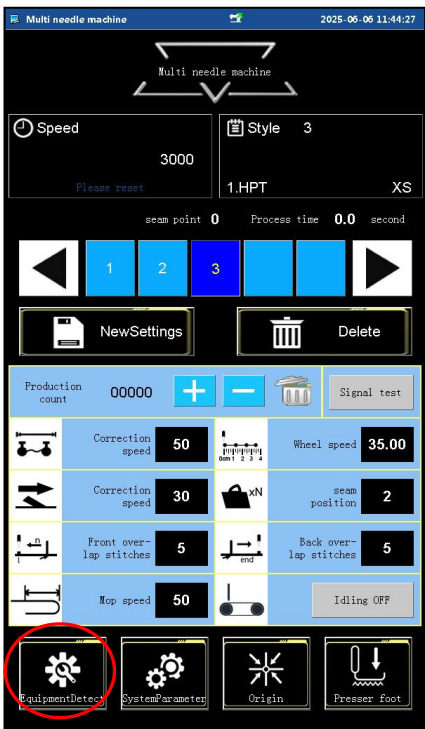
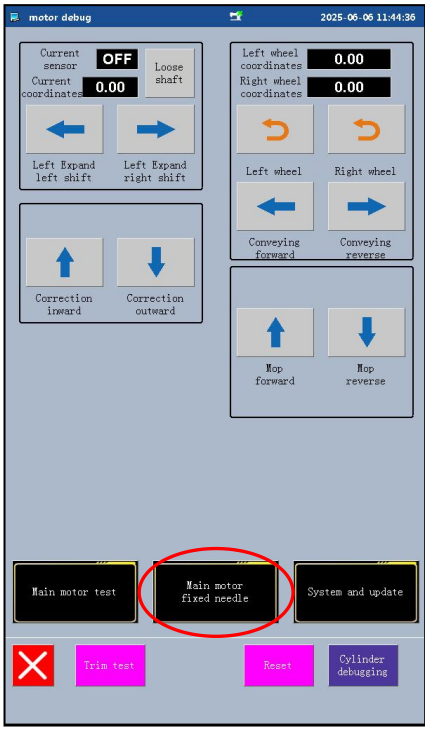
3、Enter the "Servo Test" interface.



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3.1.3 Main motor needle setting

Operating instructions:

Step	Interface
1. Click the "Equipment Detect" button on the main interface.	
2. Enter the motor debugging interface and click on "Main Motor Fixed needle".	

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3. Enter the "Servo motor Angle Correct" interface.

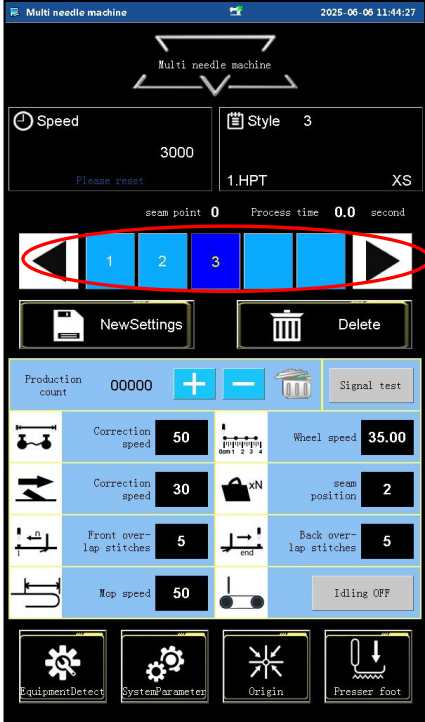
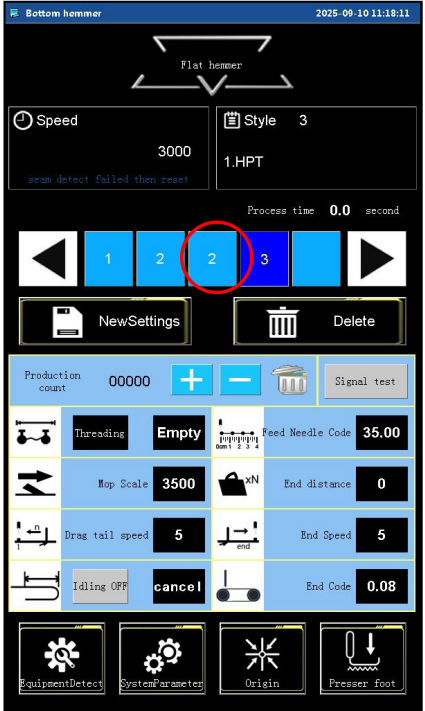


Operating instructions

3.2 Style selection

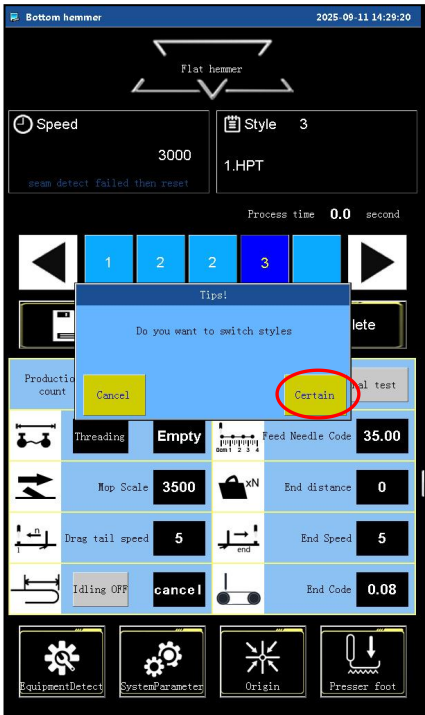
3.2.1 Style selection and material feeding and unloading settings

Operating instructions:

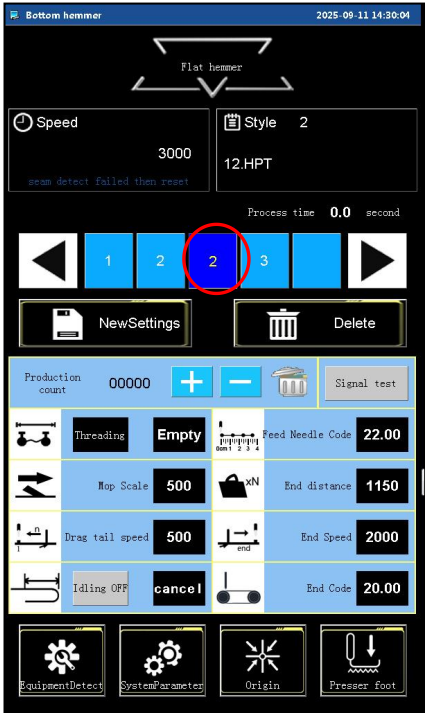
Step	Interface
1. Click on "Style number" on the main interface.	
2. Click on the style2.	

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3. Do you want to switch styles , click certain.



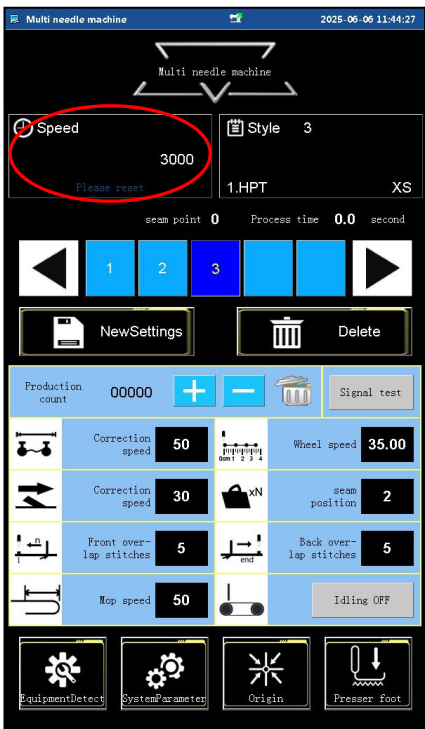
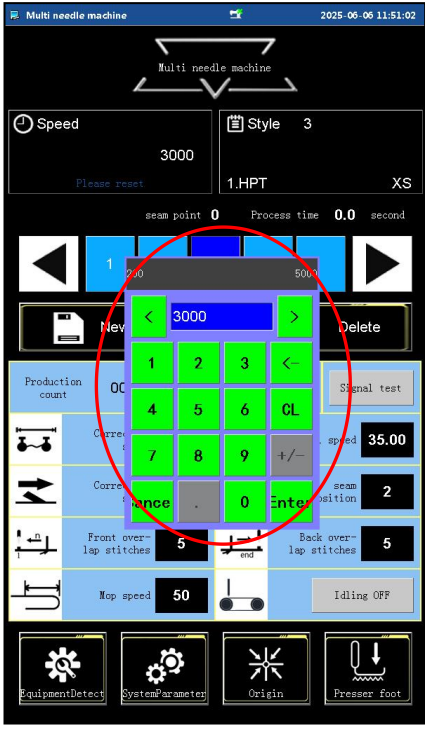
4. It has been switched to style2.



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3.2.2 Sewing speed setting

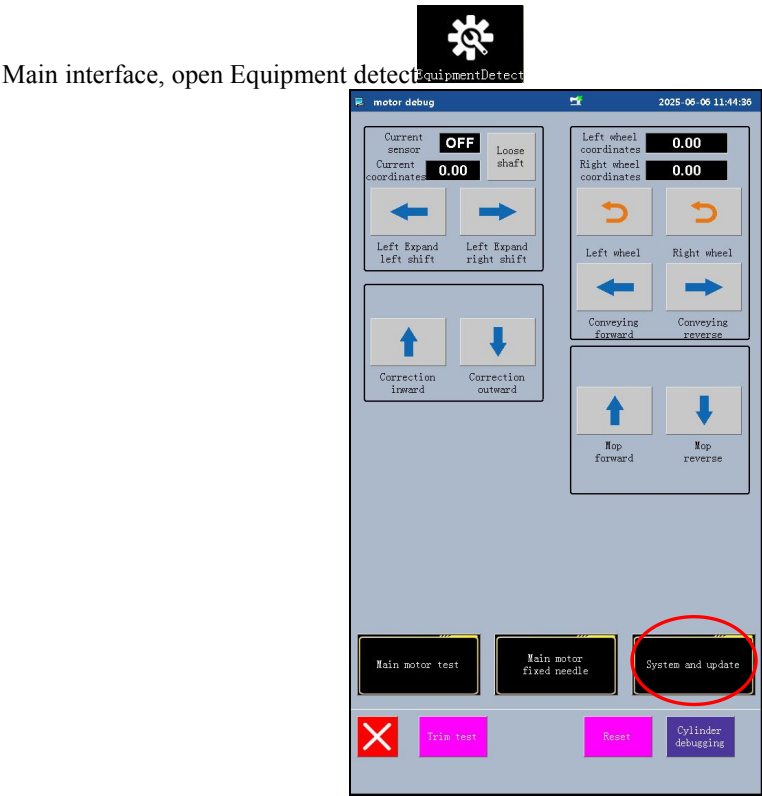
Operating instructions:

Step	Interface
1. Click on 'Speed' on the main interface.	 The screenshot shows the main interface of a Multi needle machine. At the top, there's a status bar with 'Multi needle machine' and the date '2025-06-06 11:44:27'. Below this, a diagram shows a multi-needle machine. The 'Speed' button is circled in red. Other buttons include 'Style 3', '1.HPT', 'XS', 'seam point 0', 'Process time 0.0 second', 'NewSettings', and 'Delete'. A grid of settings includes 'Production count 00000', 'Correction speed 50', 'Wheel speed 35.00', 'Correction speed 30', 'seam position 2', 'Front over-lap stitches 5', 'Back over-lap stitches 5', 'Hop speed 50', and 'Idling OFF'. At the bottom are icons for 'EquipmentDetect', 'SystemParameter', 'Origin', and 'Presser foot'.
2. Set sewing speed.	 The screenshot shows the same interface as the previous one, but with a speed setting dialog box open. The dialog box has a red border and contains a numeric keypad with buttons for digits 0-9, a decimal point, and an 'Enter' button. The current speed value '3000' is displayed at the top of the dialog. The background interface is dimmed.

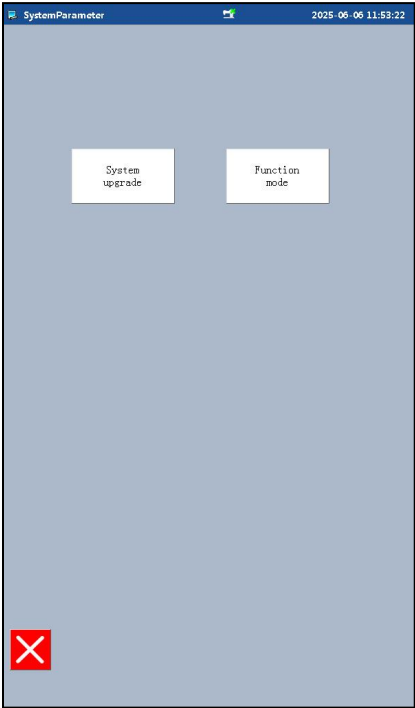
Operating instructions

Chapter 4 Functional `Mode

4.1 Introduction to Function Modes



Click the "System and Upgrade" button to enter the system parameter page

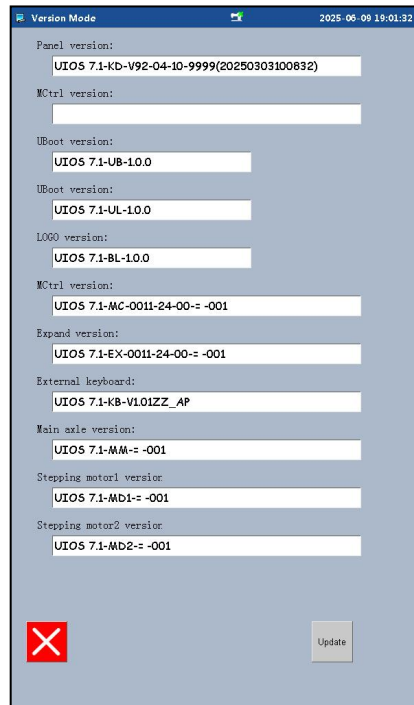


Introduction: You can see that the system parameters are divided into two parts: "System Upgrade" and "Function Mode"

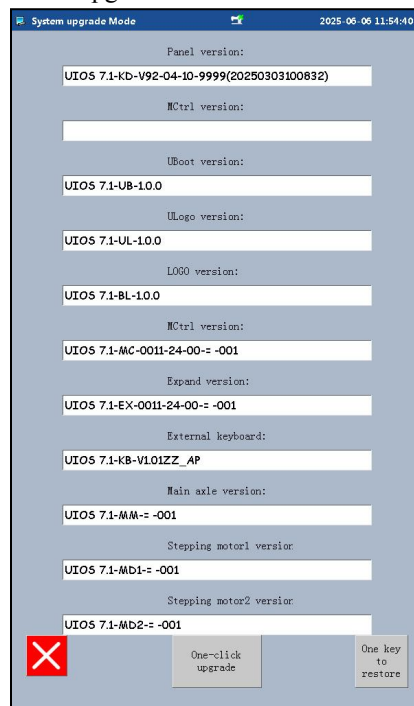
Operating instructions

4.2 Parameter Import and Export

Click on "System Upgrade" on the system parameter interface



Insert the USB flash drive and click upgrade



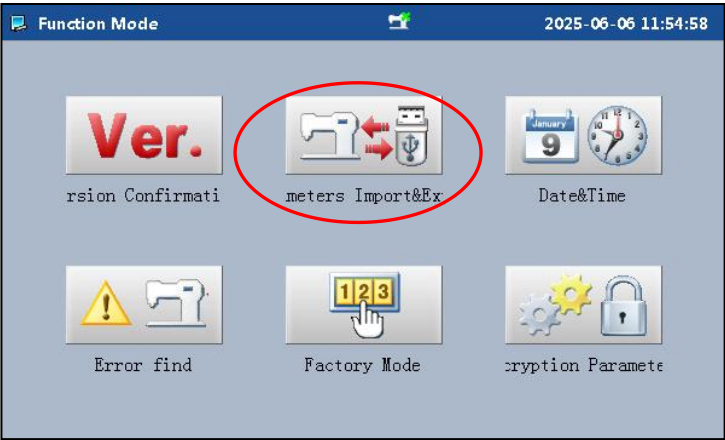
Attention: USB upgrade file upgrade method

- 1) Download the file to the USB drive first;
- 2) Create a new folder on the USB drive and rename it as SY;
- 3) Drag and drop the file to the SY folder;
- 4) Click the "Upgrade" button again in the firmware version mode shown in the picture;

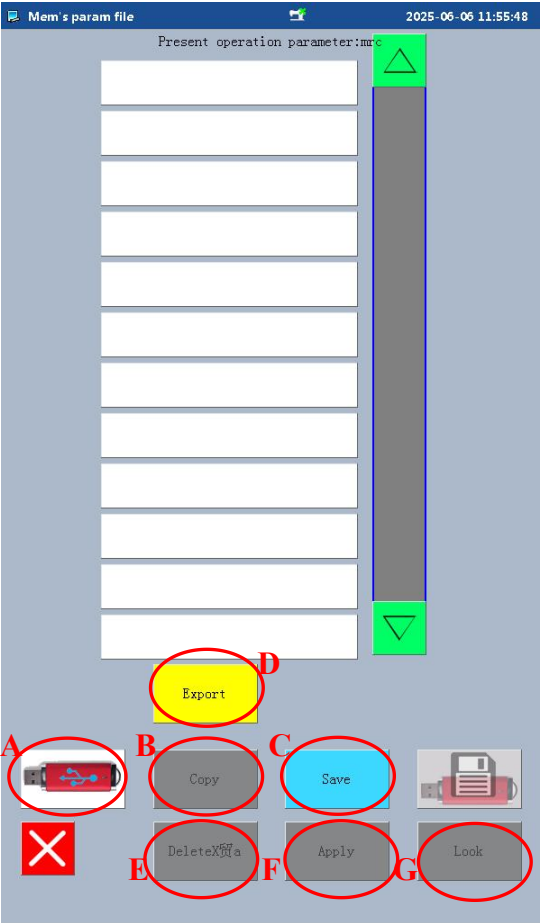
Operating instructions

4.3 Parameter Import and Export

Click on "Function Mode" in the system parameter interface, and then click on "meters Import/Export".



Enter the "Mem's Parameter File" interface



Serial	Name	Content
A	USB file	Open the USB file interface
B	Copy	Copy file
C	Save	Save the file
D	Export	Export file
E	Delete	Delete file
F	Application	Application Files
G	View	File preview