


Function and operation instructions of sewing templates and related tools:



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Sewing template

Function:

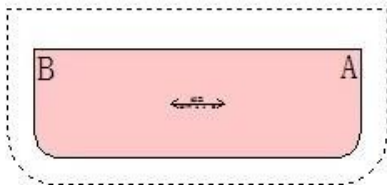
Create a template on the sew line (Assist curve line) of the pattern, modify parameters, manually arrange/change the sewing line sequence, change the sewing direction of a single sewing line, view the sewing serial number, and generate a sewing template (Use on ordinary sewing machine), create a regular template (Used on Richpeace automatic sewing machine), and set pause and counterpoints.


Operating:

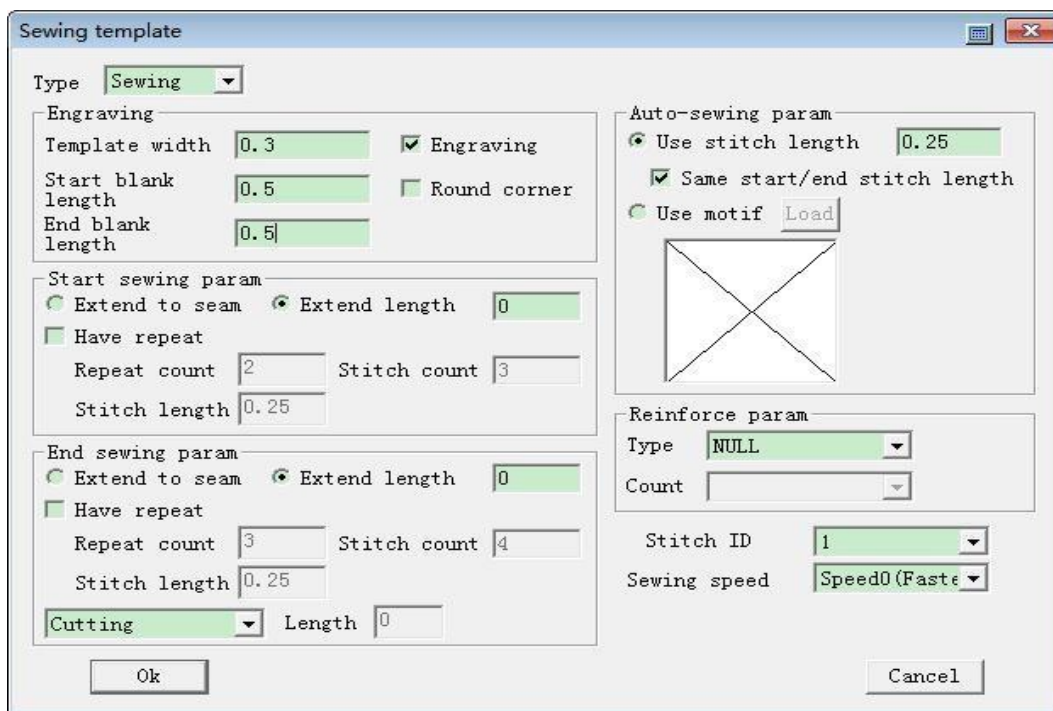
Use SHIFT to switch template  cursor, pause  cursor, counterpoint  cursor.

● Make templates on sew line:

1. Make a template on the bag cover pattern;



2.  Use the sewing template tool to drag from point A to point B. In the sewing template dialog box, set the template type, template width, start blank length\End blank length, Auto-sewing param, etc.



Sewing template

Type: **Sewing**

Engraving

Template width: ☒ Engraving

Start blank length: ☐ Round corner

End blank length:

Start sewing param

☐ Extend to seam ☒ Extend length

☐ Have repeat

Repeat count: Stitch count:

Stitch length:

End sewing param

☐ Extend to seam ☒ Extend length

☐ Have repeat

Repeat count: Stitch count:

Stitch length:

☒ Cutting Length:

Auto-sewing param

☒ Use stitch length

☒ Same start/end stitch length

☐ Use motif

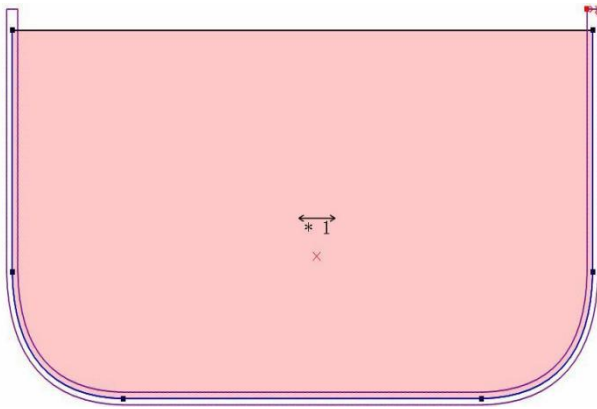
Reinforce param

Type: **NULL**

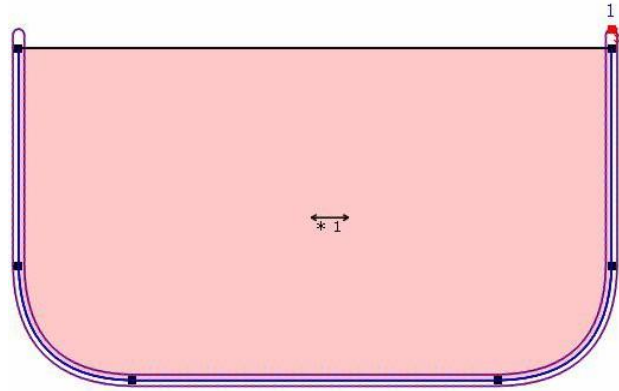
Count:

Stitch ID:

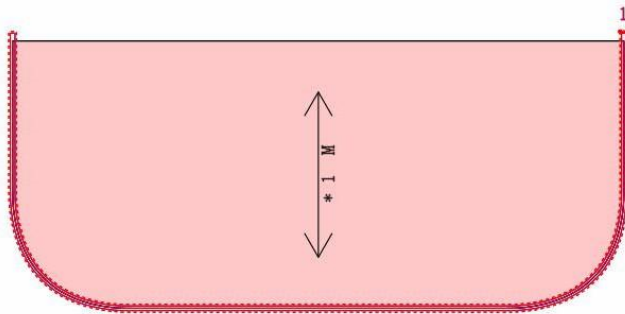
Sewing speed: **Speed0 (Fast)**



Engraving



Engraving and Round corner



Sewing template

Type: **Sewing** ☐ Batch edit: 1 -> 1

Engraving

Template width: 0.3 ☒ Engraving

Start blank length: 0.5 ☐ Round corner

End blank length: 0.5 ☒ Milling cutter

Milling Dia.: 0.2

Milling pos: ☒ Left ☐ Middle ☐ Right

Start sewing param

☐ Extend to seam ☒ Extend length: 0

☐ Have repeat

Repeat count: 2 Stitch count: 3

Stitch length: 0.25

End sewing param

☐ Extend to seam ☒ Extend length: 0

☐ Have repeat

Repeat count: 3 Stitch count: 4

Stitch length: 0.25

Cutting Length: 0

Auto-sewing param

☒ Use stitch length: 0.25

☒ Same start/end stitch length

☐ Use motif: Load

Reinforce param

Type: NULL

Count:

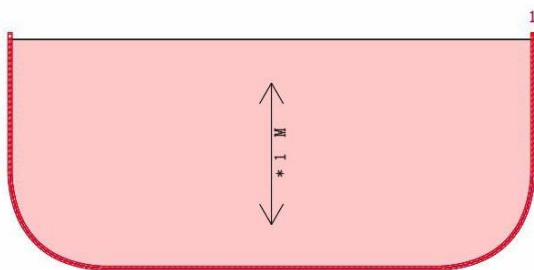
Stitch ID: 1

Sewing speed: Speed0 (Fast)

Presser Height: 0

Ok Cancel

Left Milling cutter



Sewing template

Type: **Sewing** ☐ Batch edit: 1 -> 1

Engraving

Template width: 0.3 ☒ Engraving

Start blank length: 0.5 ☐ Round corner

End blank length: 0.5 ☒ Milling cutter

Milling Dia.: 0.2

Milling pos: ☐ Left ☐ Middle ☒ Right

Start sewing param

☐ Extend to seam ☒ Extend length: 0

☐ Have repeat

Repeat count: 2 Stitch count: 3

Stitch length: 0.25

End sewing param

☐ Extend to seam ☒ Extend length: 0

☐ Have repeat

Repeat count: 3 Stitch count: 4

Stitch length: 0.25

Cutting Length: 0

Auto-sewing param

☒ Use stitch length: 0.25

☒ Same start/end stitch length

☐ Use motif: Load

Reinforce param

Type: NULL

Count:

Stitch ID: 1

Sewing speed: Speed0 (Fast)

Presser Height: 0


Ok Cancel

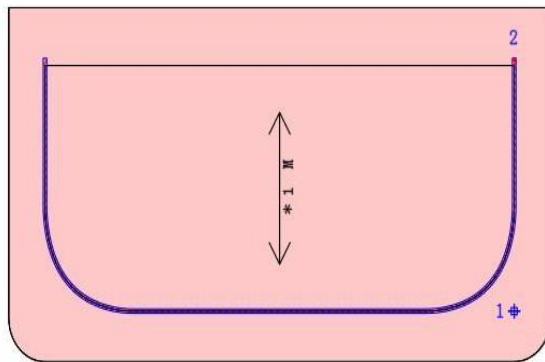
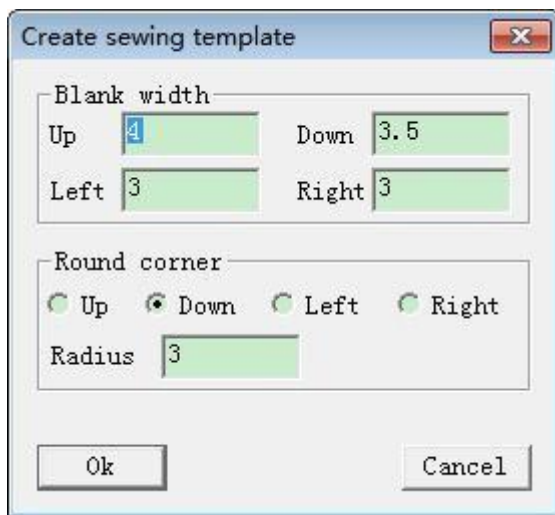
Right Milling cutter

3. Enter the appropriate value in the dialog box and confirm it as shown above.

Note: 1) The milling cutter is the drill. The customer should choose to drill from the inside, the middle or the outside, or drill out of the original position, and the middle is the original line position.


2) The three arrows represent the cutting sequence, and the starting point of the cutting can be modified with the "Auto arrange template order" tool.

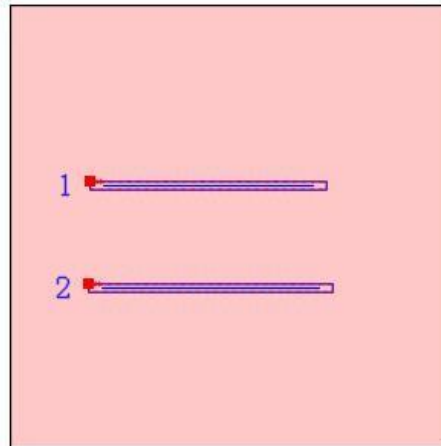
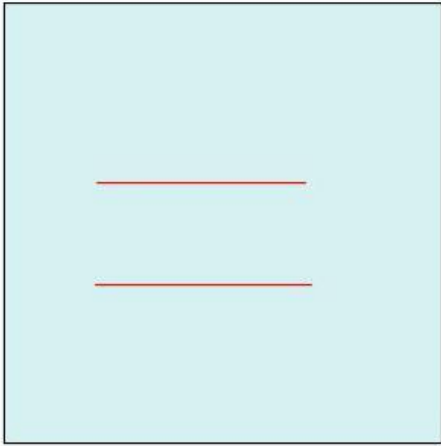
4.  Right-click on the pattern with the sewing template tool, and the [Create sewing template] dialog box will pop up. Enter the appropriate value and click OK to make the following template. After finishing, the sewing alignment point (non-cutting) is automatically generated, and 1 point is the alignment point.



Note: The template made in step 4 is suitable for manual sewing patterns with ordinary sewing machines.

Make engraving on Pattern assist curve line

+  Use the sewing template tool to click on the assist curve line or drag the two ends of the assist curve line or frame the assist curve line (multiple options can be selected at the same time), and the [Sewing Template] dialog box will pop up, enter the appropriate value and click OK. ,As shown below.



Sewing template

Type: **Sewing** ☐ Batch edit: 1 -> 1

Engraving

Template width: 0.3 ☒ Engraving

Start blank length: 0.5 ☐ Round corner

End blank length: 0.5 ☐ Milling cutter

Milling Dia.: 0.2

Milling pos: ☐ Left ☐ Middle ☒ Right

Start sewing param

☐ Extend to seam ☒ Extend length: 0

☐ Have repeat

Repeat count: 2 Stitch count: 3

Stitch length: 0.25

End sewing param

☐ Extend to seam ☒ Extend length: 0

☐ Have repeat

Repeat count: 3 Stitch count: 4

Stitch length: 0.25

Auto-sewing param

☒ Use stitch length: 0.25

☒ Same start/end stitch length

☐ Use motif

Reinforce param

Type: **NULL**

Count:


Stitch ID: 1

Sewing speed: Speed0 (Fast)

Presser Height: 0

Cutting Length: 0

- **Change parameters:**

+  Use the sewing template tool to move the cursor to the slot line and right-click, and modify it in the [Sewing Template]

dialog box.

- **Remove engraving line:**


Click on the engraving line with the eraser tool.

- **Manual arrangement/change the order of sewing threads**

Select the sewing template tool, click near the end of the line, and click the number on the computer keyboard..

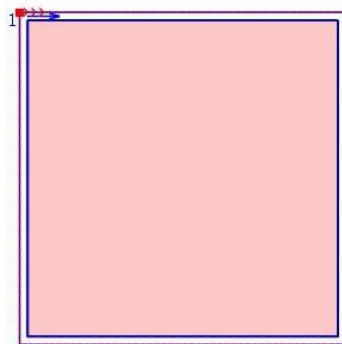
- **Change the sewing direction of a single sewing line:**

The position of the number is the starting point of sewing on this line. Click the other end of the line with the sewing


template tool , and the number will move to the other end.

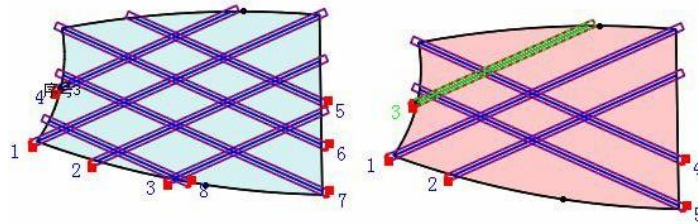
The position of the number is the starting point of sewing on this line. Click the other end of the line with the sewing template tool, and the number will move to the other end.

Note: For a closed sewing thread, use arrows to indicate the needle position and direction of needle movement, as shown in the figure below

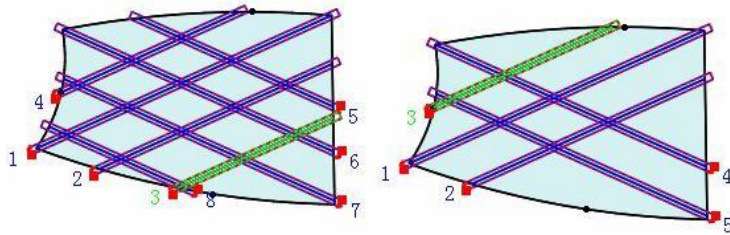


- **View sewing number:**

 Use the sewing template tool (seengraving cursor), click the number on the keyboard, for example, 3, the slotting line with sewing serial number 3 on the pattern is selected, and then click the left button of the mouse continuously to select sewing line 4 in turn. 5, 6...




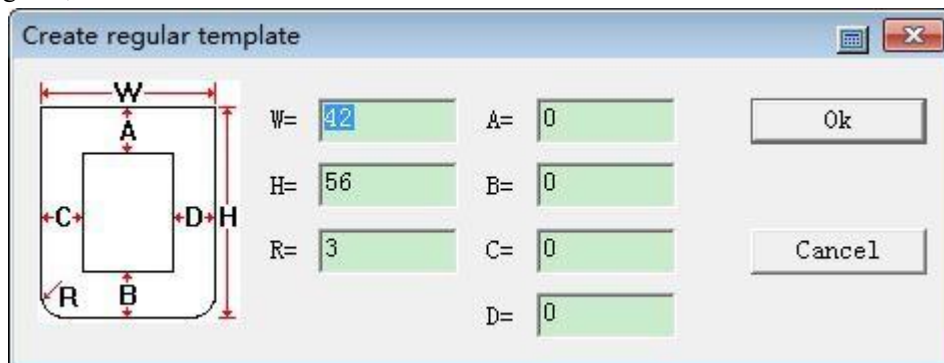
When the pattern is selected, only the sewing serial number of the selected pattern is displayed



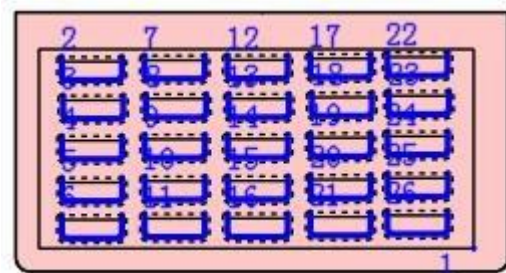
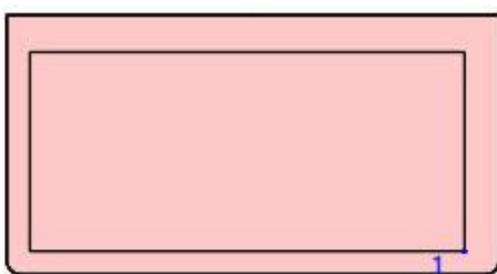
When all patterns are selected or unselected, the same sewing serial number of all patterns will be displayed

- Create a regular template and put the template pattern into the regular template:

1.  Use the sewing template tool to drag a rectangle in the blank position of the work area, in the [Create regular template] dialog box;





Enter the value according to the actual situation, and click OK to generate a template, as shown in the left figure below, an alignment point will be automatically generated in the lower right corner of the figure;




2. As shown on the right picture above, move multiple patterns to the regular template, and then use the sewing template tool to right-click in the blank area of the regular template, and the pattern and regular template will be integrated..

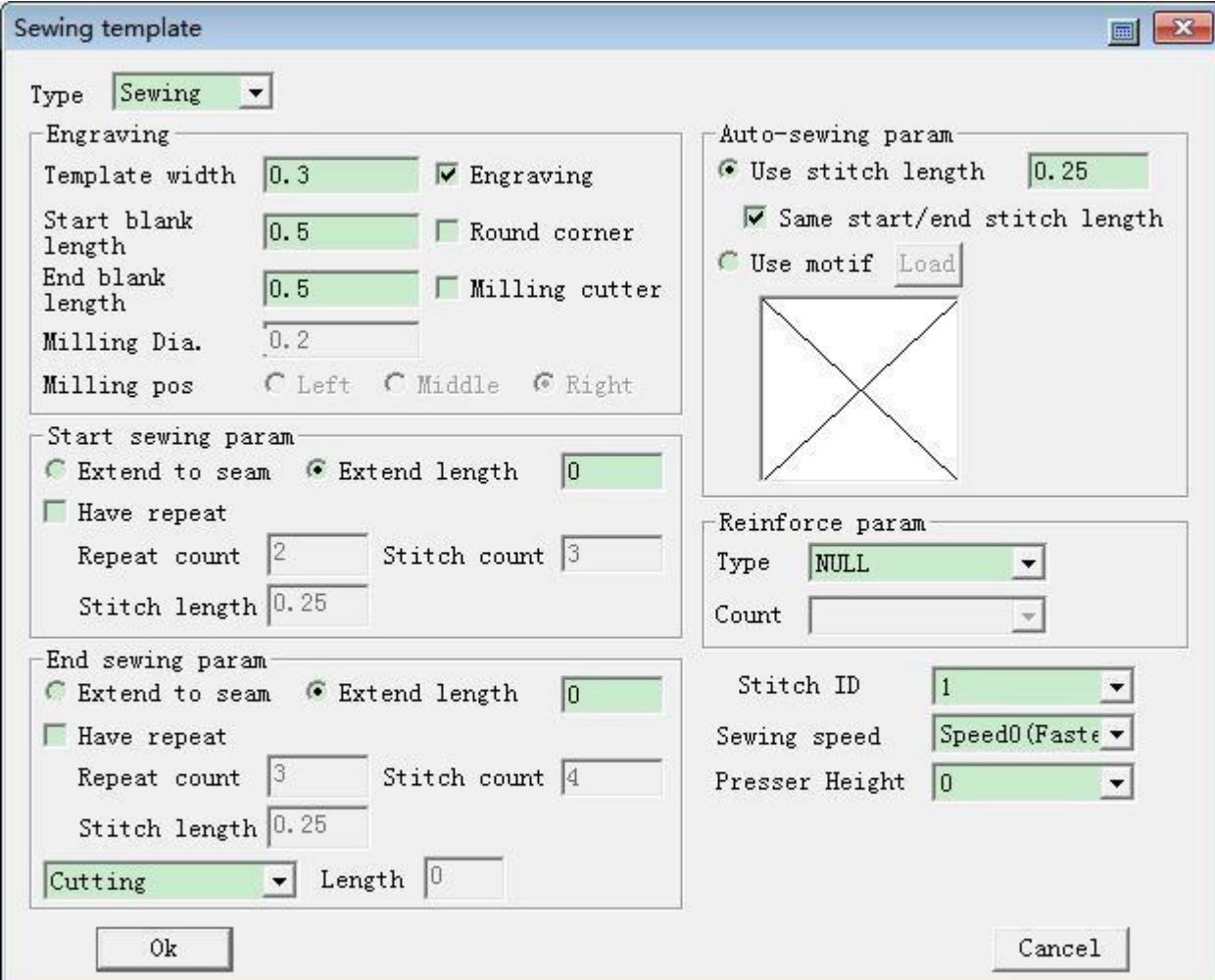
Description: This template is suitable for sewing patterns on Richpeace automatic sewing machines. Note:

-  Pause position: Some patterns are sewn in two steps. After sewing a part of the pattern, you need to pause, open the upper template, put another part of the pattern, cover the template, and continue sewing (the upper template can be opened).
-  : Used to check whether the needle on the automatic template machine is aligned with the registration point of the template.

Operation: To operate these two functions, use the sewing template tool, press Shift to switch to the corresponding cursor, and click on the template.

 Alignment point description: When creating a regular template or a common template, the software will automatically generate the alignment point. When you are not satisfied, you can use this tool to modify it.

【Sewing template——Sewing】Dialog parameter description:



Sewing template

Type: **Sewing**

Engraving

Template width: ☒ Engraving

Start blank length: ☐ Round corner

End blank length: ☐ Milling cutter

Milling Dia.:

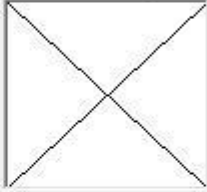
Milling pos: ☐ Left ☐ Middle ☒ Right

Auto-sewing param

☒ Use stitch length:

☒ Same start/end stitch length

☐ Use motif:



Start sewing param

☐ Extend to seam ☒ Extend length:

☐ Have repeat

Repeat count: Stitch count:

Stitch length:

End sewing param

☐ Extend to seam ☒ Extend length:

☐ Have repeat

Repeat count: Stitch count:

Stitch length:

Reinforce param

Type: **NULL**

Count:

Stitch ID:

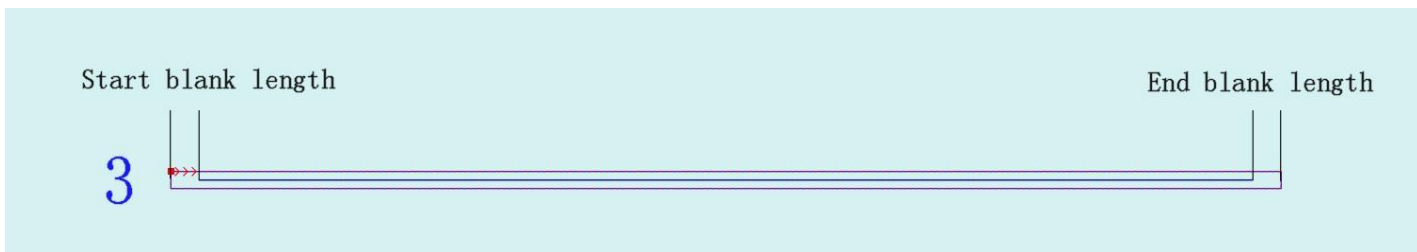
Sewing speed: **Speed0 (Fast)**

Presser Height:

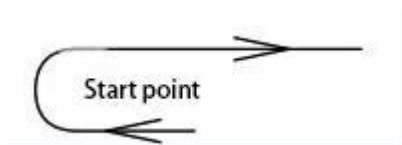
Cutting Length:

- Type: Five modes are provided, sewing \ laser\cut\pen\move. If only the template (plastic board) is used for sewing, each mode can be engraving.
- Engraving attributes
 - Check the engraving, and enter the engraving width, the file will be engraved.
 - Rounded corner: Checked, both ends of the template engraving line are rounded corners, otherwise they are right angles.
 - Template width: refers to the width of the engraving line on the pattern.
 - Milling cutter: It is a drill. The customer should choose to drill from the inside, the middle or the outside, or the original position.
 - The diameter and position of the milling cutter determine the width of the drill and the direction of the drill.

Start blank length and end blank length: the distance from the start of the suture to the starting point of template engraving, and the distance from the end of the suture to the end of template engraving (it can be the front/rear length of the presser foot)

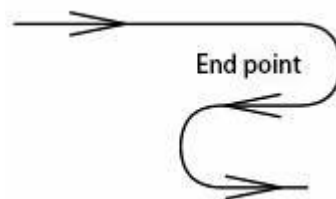


- Start\end sewing param
 - Extend to seam : the template engraving line is automatically extended to the seam line.
 - Extend length: Enter 0 when it is not necessary to extend. When importing non-Richpeace files as a template, the input data meets the template requirements.
 - Have repeat: Check it, enter values in Repeat count, Stitch count, Stitch length, and repeat when connected to an automatic sewing machine. The start and end points can be set with different repeat counts, different stitch counts, and different stitch lengths.



Start repeat effect

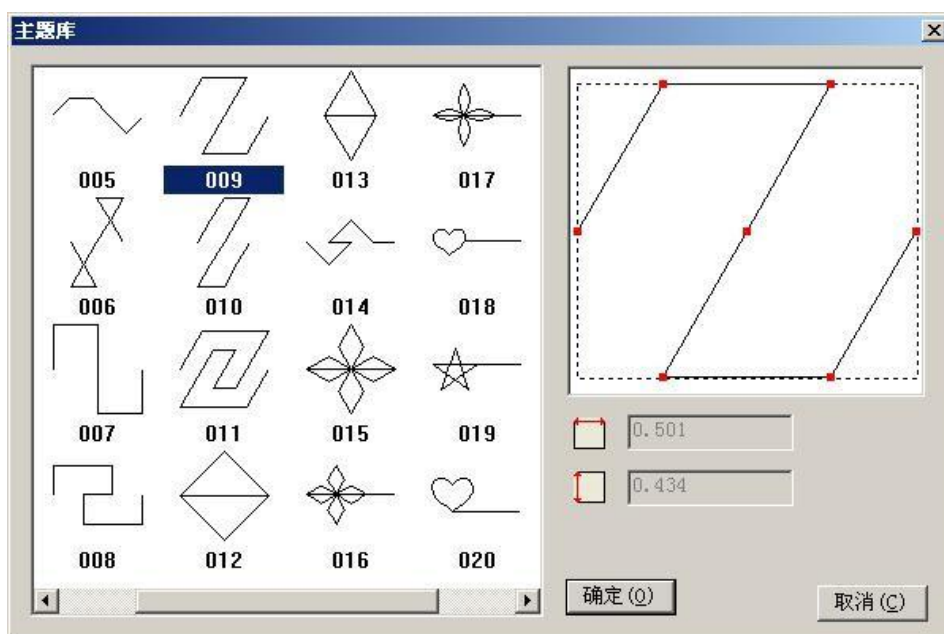
This is a schematic diagram where the starting point is repeated twice. Remove one stitch of the thread itself, and add another stitch. Rule: If you repeat an even number of times, start the needle from the inside; if you repeat an odd number of times, start the needle from the starting point.



End repeat effect

It is a schematic diagram of the end point repeated 3 times. The principle is the same as above. Two additional stitches are needed, but the last stitch cannot fall on the end point, and one stitch is needed to avoid the thread end after trimming.

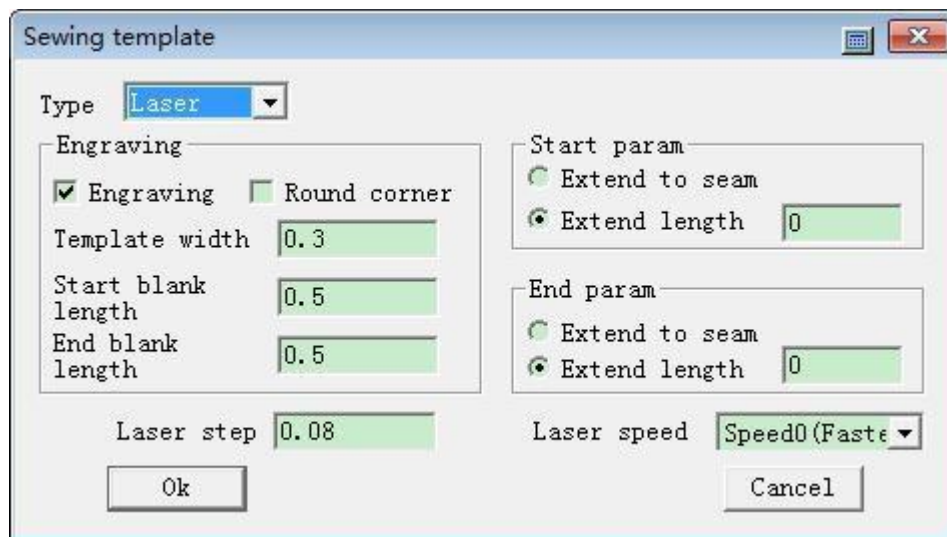
- Cutting : Cut the thread after sewing.
- Delay cutting: Need to trim the thread after sewing, but sometimes it is necessary to keep a 5cm thread end for manual knotting, so I hope the machine will move 5cm after sewing and then trim the thread. 5cm is set in the length dialog box.
- None cutting: Continue sewing.
- Aut o-sewing param
 - Use stitch length: Connect the full-automatic template machine, set the stitch length first, the range is 0.1-2.55 cm. If the unit of the software is CM, enter 0.25 in the number box, then the stitch length of the automatic template machine is 0.25cm; if the number entered in the number box is "0.25, 0.4", then it is 0.25cm on the automatic template machine One stitch of the stitch, then one stitch of the 0.4cm stitch, the two stitches are used alternately.
 - ☐ Same start end stitch length: Uncheck, the repeat count of the start and end points can be set separately; check, the repeat count of the start and end points are the same as use stitch length.
 - Use motif: Set the stitches in the motif lib to the engraving line.



Note: repeat count, Auto-sewing param and sewing speed are only applicable to automatic sewing machines.

- Reinforce param
 - Each stitch: Each stitch is sewn back and forth a specified number of times before sewing the next stitch. The number of times must be singular, such as 3, 5, 7.
 - Whole curve: Sew the entire line several times, the number of times must be greater than 1, such as 2, 3, 4.
- Stitch ID: Specify which needle to use for sewing. "1" is sewing, "2" is punching.
- Sewing speed : According to the fabric properties, select the sewing speed. There are four types: Speed0(Fastest), Speed1, Speed2, and Speed3(Slowest).
- Presser Height : If the thickness of the sewing fabric is uniform, you only need to adjust the presser height once. If the fabric thickness is not uniform, you need to set different presser heights for fabrics with different thicknesses.

【Sewing template——Laser】 Dialog parameter description:



- Engraving :Start param and End param are the same as [Sewing Template-Sewing].
- Laser step: Grid input step size, less than 1mm.
- Laser speed: There are four speed options: speed 0 (Fastest), speed 1, speed 2, and speed 3 (Slowest), depending on the material of the fabric.

Note: Laser step and Laser speed are only applicable to automatic sewing machines.

【Sewing template——Cut】 Dialog parameter description:

The screenshot shows the 'Sewing template' dialog box with the 'Type' dropdown set to 'Cut'. The 'Engraving' section has 'Engraving' checked and 'Round corner' unchecked. The 'Template width' is 0.3, 'Start blank length' is 0.5, and 'End blank length' is 0.5. The 'Cut step' is 0.3. The 'Start param' and 'End param' sections both have 'Extend length' selected with a value of 0. The 'Cut speed' is set to 'Speed0 (Fastest)'. There are 'Ok' and 'Cancel' buttons at the bottom.

- Engraving :Start param and End param are the same as [Sewing Template-Sewing].
- Cut step: 在此可输入步长大小，一般输入小于刀宽的数值。
- Cut speed: There are four speed options: speed 0 (Fastest), speed 1, speed 2, and speed 3 (Slowest), depending on the material of the fabric.

Note: Cut step and Cut speed are only applicable to automatic sewing machines.

【Sewing template——Pen】 Dialog parameter description:

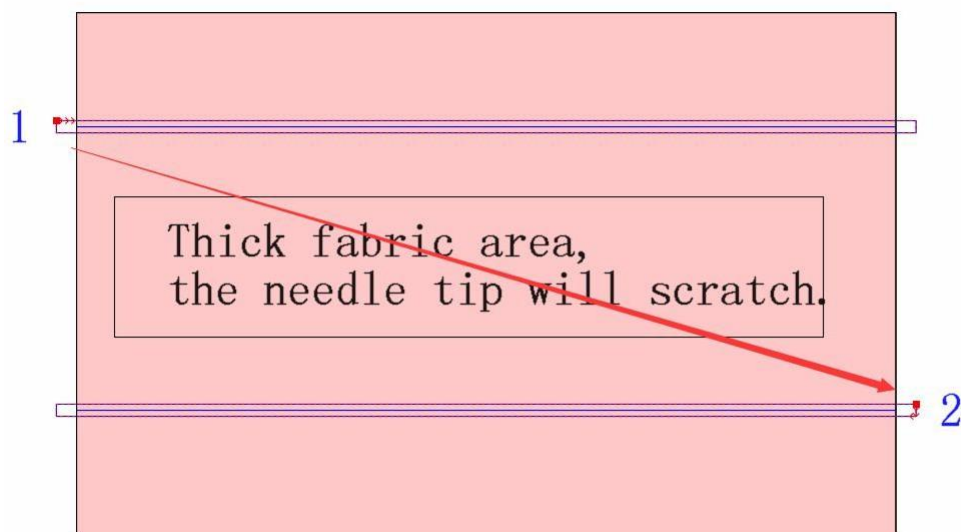
The screenshot shows the 'Sewing template' dialog box with the 'Type' dropdown set to 'Pen'. The 'Engraving' section has 'Engraving' checked and 'Round corner' unchecked. The 'Template width' is 0.3, 'Start blank length' is 0.5, and 'End blank length' is 0.5. The 'Pen step' is 0.3. The 'Start param' and 'End param' sections both have 'Extend length' selected with a value of 0. The 'Pen speed' is set to 'Speed0 (Fastest)'. There are 'Ok' and 'Cancel' buttons at the bottom.

- Engraving :Start param and End param are the same as [Sewing Template-Sewing].
- Pen step: Enter the cut step length in the form.
- Cut speed: There are four speed options: speed 0 (Fastest), speed 1, speed 2, and speed 3 (Slowest), depending on the material of the fabric.

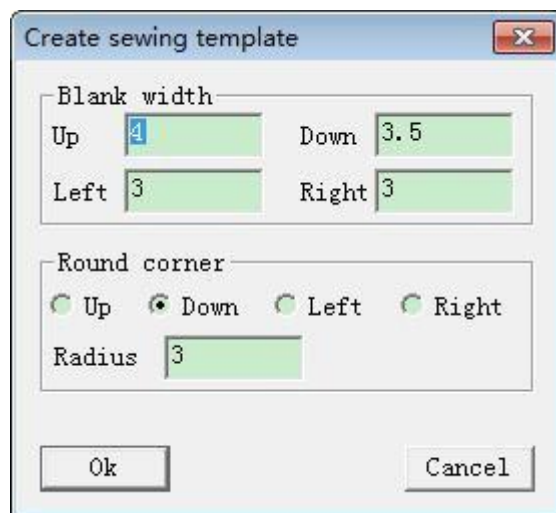
Note: Cut step and Cut speed are only applicable to automatic sewing machines.

【Sewing template——Move】 Dialog parameter description:

When the needle encounters the thick material area when walking, it is easy to cut the fabric. Set the movement to make the needle move out of the thick material area. The area shown in the figure below is moving.



【Create regular template】 Dialog parameter description:



- Blank width: The increased width of the template pattern.
- Round corner: The arc radius of the corners of the template pattern.

Auto arrange sewing order

Function:

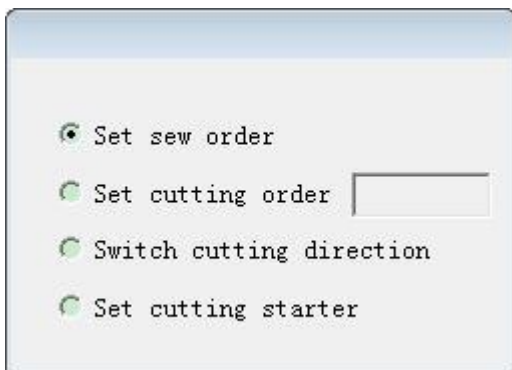
Automatically sort the sewing lines in the pattern, set the cutting serial number, set the cutting direction,

and specify the cutting starting point.

Operating:

一: Set the sewing number

1. Select this tool, a dialog box appears, select "Set sewing serial number":



2. As shown in Figure 1, use this tool to frame the sewing lines to be arranged, and click the starting sewing line close to the starting point, and the [Automatically arrange sewing order] dialog box will pop up;

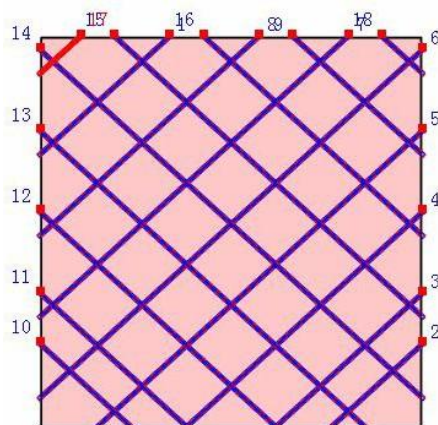


Figure 1

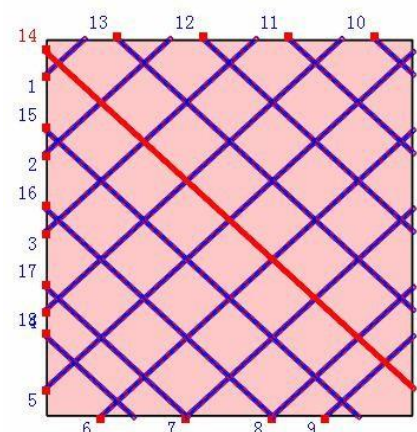
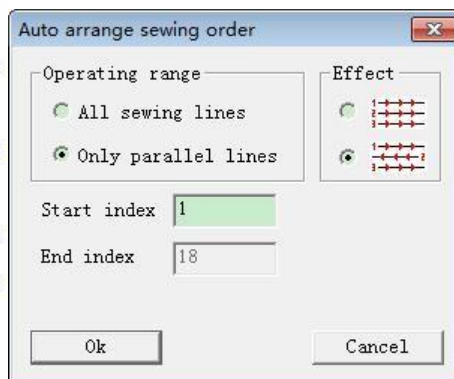


Figure 2

1. Select "Only parallel lines" in the operating range, select the appropriate effect in the arrangement effect, enter the number of the specified sewing line in the starting number, and click OK, as shown in Figure 2, the sewing parallel to the specified order is arranged.

Note: The number of parallel lines can be automatically calculated, which is convenient for specifying the sewing line number.

2. As shown in Figure 3 below, use the same method to select the sewing lines to be arranged, and specify one of the other parallel lines. In the pop-up [Auto arrange sewing order] dialog box, select the appropriate option and enter the corresponding serial number After confirming, it is shown in Figure 4 below.

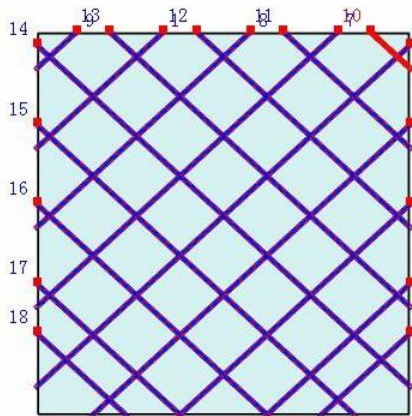


Figure 3

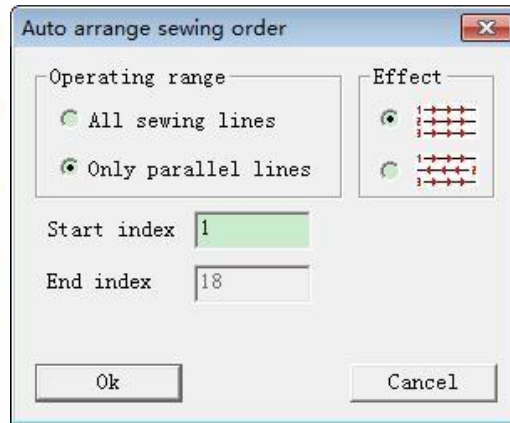
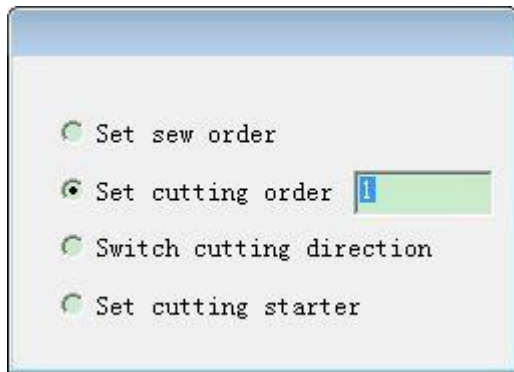


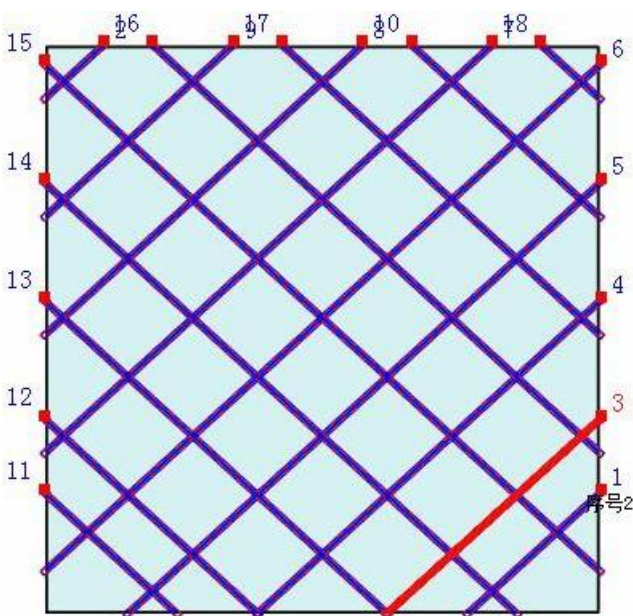
Figure 4

二: set cutting order

1. Select this tool, a dialog box appears, select "set cutting order":

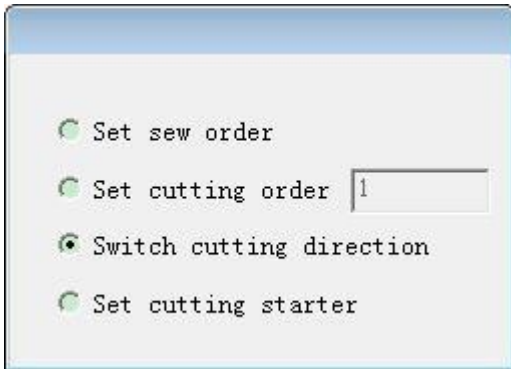


2. Enter the number after "set cutting order" and click the line to be cut to specify the cutting number, as shown in the figure: click on the lower right corner line, the lower right corner is 1, you can continue to set 2, 3, 4...

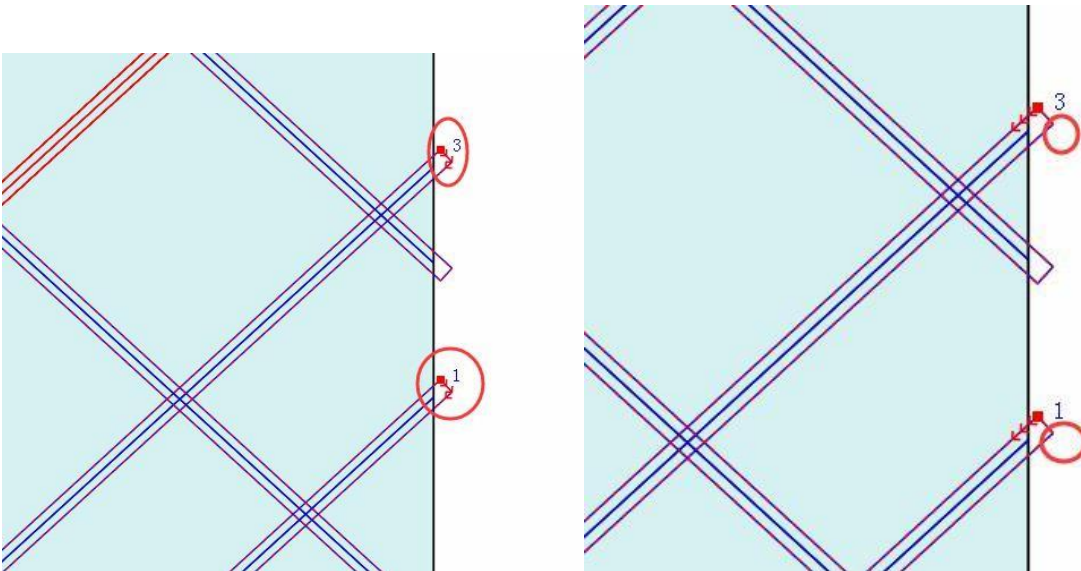


三： Switch cutting direction:

1. Select this tool, a dialog box appears, select "Switch cutting direction":

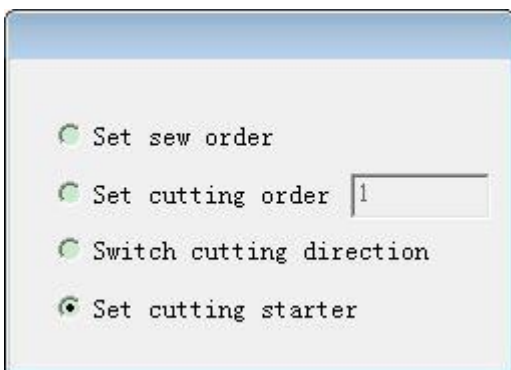


2. As shown in the picture: the three red arrows are the cutting direction, we click on the other side, the arrow direction is the opposite counterclockwise cutting.

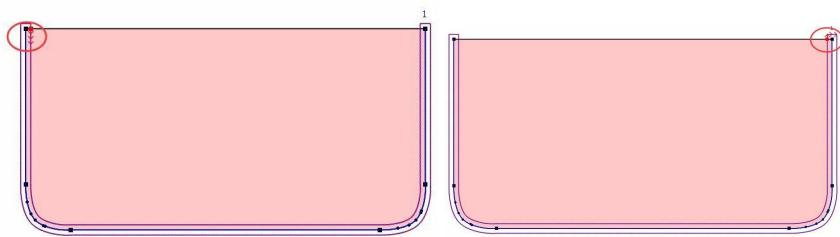


四： Set cutting starter

1. Select this tool, a dialog box appears, select "Set cutting starter":



2. Click any point to set cutting starter:





Motif lib

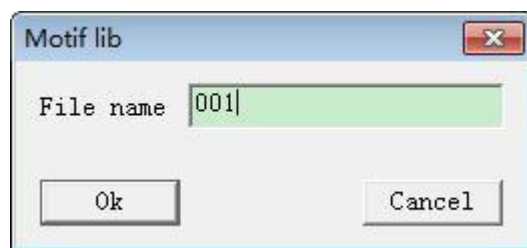
Function:

Used to save the motif.

Operating:


Take the triangle needle as an example to illustrate.

1.  Use the Intelligent Pen tool to draw a triangle needle loop "ABCDE"  , The length between two points was stitch length, such as 0.25cm;
2. Use the Motif lib tool, click ABCDE one by one, and then click the right mouse button to pop up the "Motif lib" dialog box.



3. Write the number in the blank box.

Description:

- The Motif lib is automatically saved in the Gmotif folder in the software directory;
-  When using the sewing template tool, click "Use motif lib" in the sewing template dialog box, and click "Load", the "motif lib" dialog box will pop up.

Sewing template

Type: **Sewing**

Engraving

Template width: ☒ Engraving

Start blank length: ☐ Round corner

End blank length: ☐ Milling cutter

Milling Dia.:

Milling pos: ☐ Left ☐ Middle ☒ Right

Start sewing param

☐ Extend to seam ☒ Extend length:

☒ Have repeat

Repeat count: Stitch count:

Stitch length:

End sewing param

☐ Extend to seam ☒ Extend length:

☐ Have repeat

Repeat count: Stitch count:

Stitch length:

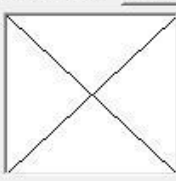
Cutting: Length:

Auto-sewing param

☒ Use stitch length:

☒ Same start/end stitch length

☐ Use motif:



Reinforce param

Type: **NULL**

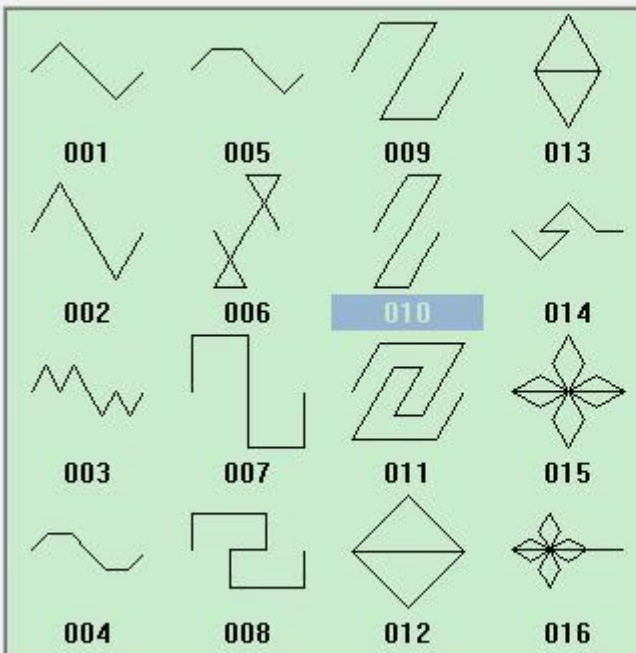
Count:

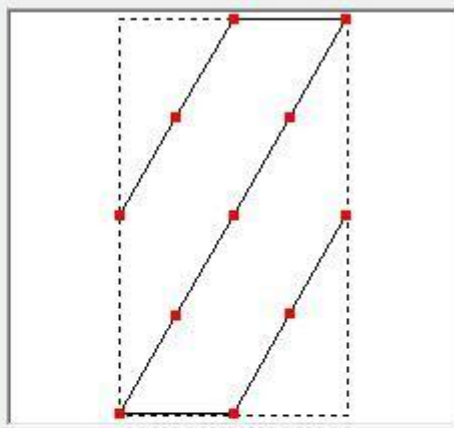
Stitch ID:

Sewing speed: **Speed0 (Fast)**

Presser Height:

Motif lib



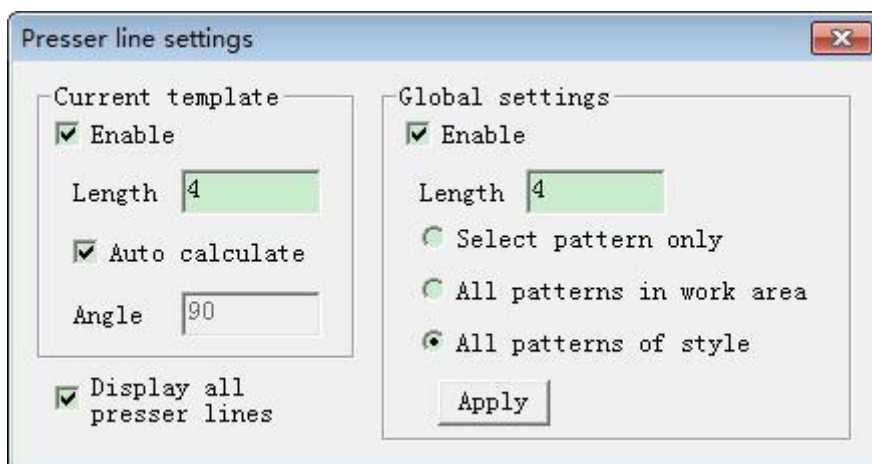


Presser line

Function:

Set the pressure thread on the specified sewing line or all sewing lines to determine the position from which the automatic template sewing machine moves to the starting point.

Operating:



1. Set parameters in "Global settings", and press "Apply" to end;
2. Click on a sewing line and its thread parameters will be displayed in [CurrentTemplate]. Modify the parameters here.
3. After tick "Display all presser lines", the pressuring positions of all sewing lines will be shown with dashed lines.

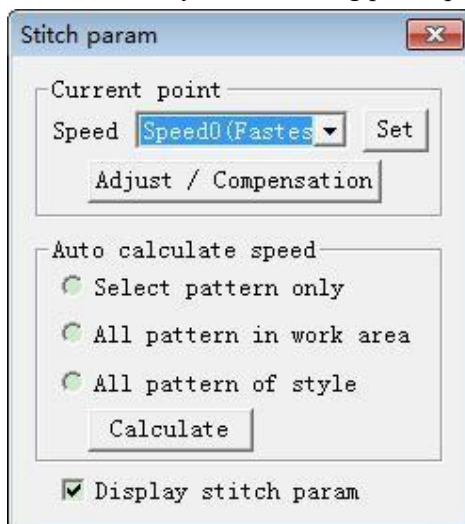
Stitch param

Function:

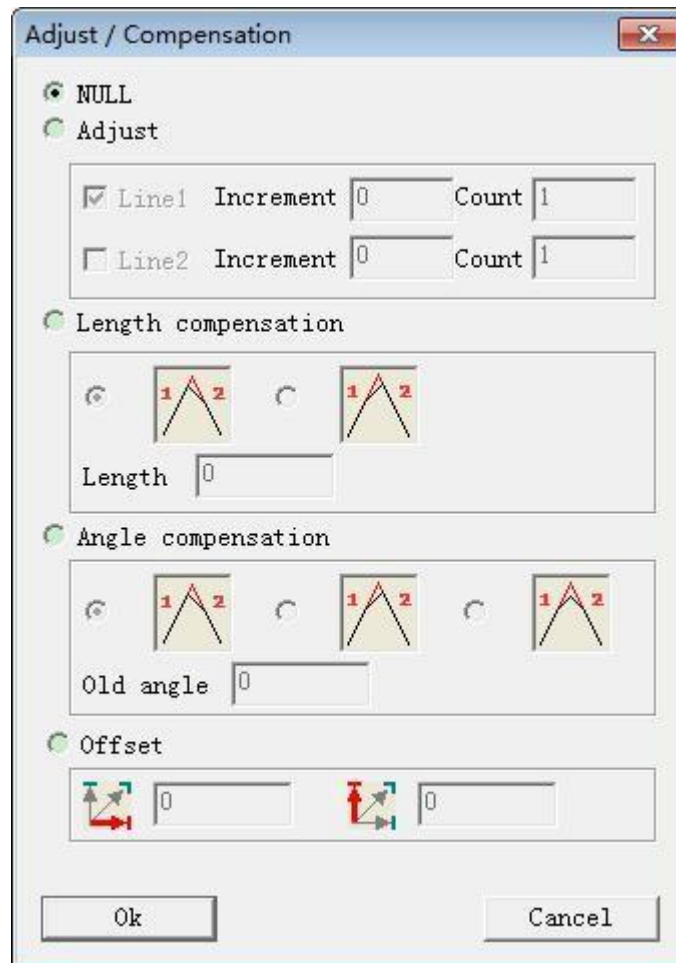
Sets sewing speed and compensation at specified points.

Operating: :

1. Click the turning point to set the speed, or automatically set the turning point speed for all patterns.



- Click the "Adjustment and Compensation" button to set the compensation parameters of the selected point in the pop-up dialog box, and provide four options of Adjust, length compensation, Angle compensation and offset.



The dialog box is titled "Adjust / Compensation" and contains the following sections:

- Adjust:** Includes radio buttons for "NULL" and "Adjust". Under "Adjust", there are two rows: "Line1" with "Increment" (0) and "Count" (1), and "Line2" with "Increment" (0) and "Count" (1).
- Length compensation:** Includes a radio button and two diagrams showing line segments with points 1 and 2. Below the diagrams is a "Length" input field with the value 0.
- Angle compensation:** Includes a radio button and three diagrams showing angles between line segments. Below the diagrams is an "Old angle" input field with the value 0.
- Offset:** Includes two diagrams showing offset distances. Below each diagram is an input field with the value 0.

At the bottom of the dialog box are "Ok" and "Cancel" buttons.


- Tick "Display stitch param", and the speed value and compensation parameter will be displayed near the point.

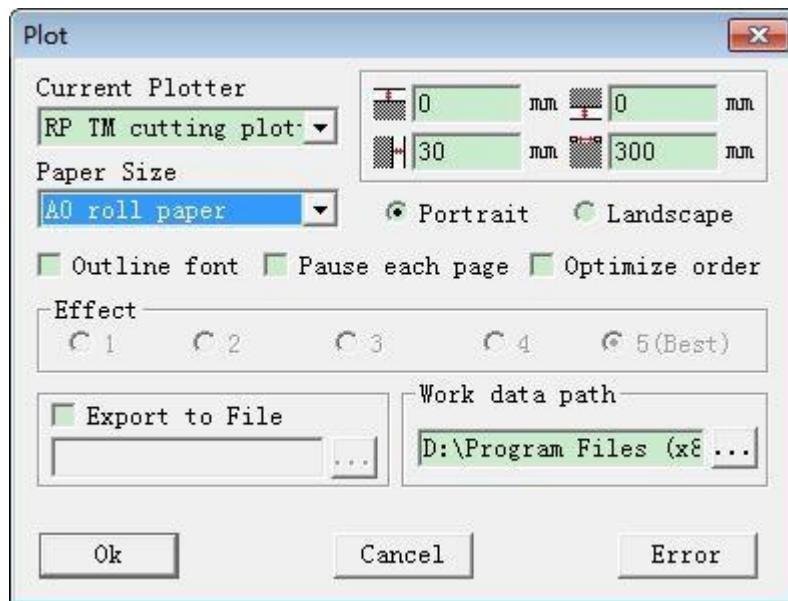
Plot\cut template

Function:

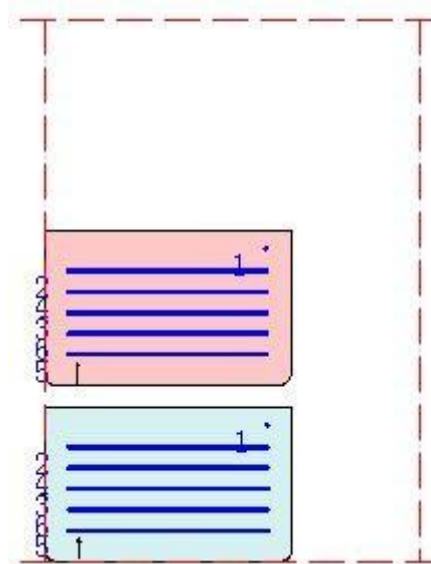
Plot/cut templates to scale.

Operation:

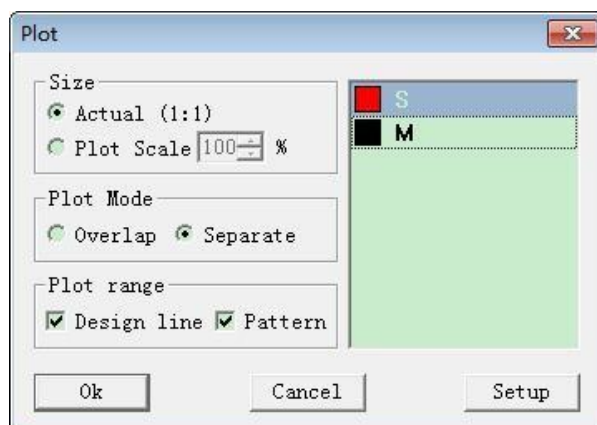
-  Click on the "Plot" tool to set the size, plot mode, and plot range, and then click "Setup". Sets the current plotter, paper size, and work data path.



2. Press F10 to display the cutting range, and move the template to the cutting range (if the pattern is out of bounds, there will be a red circular warning on the pattern);



3. Click the "Plot" tool again, and the "Plot" dialog box pops up.
4. Select dsize, Plot Mode, Plot range and modle.

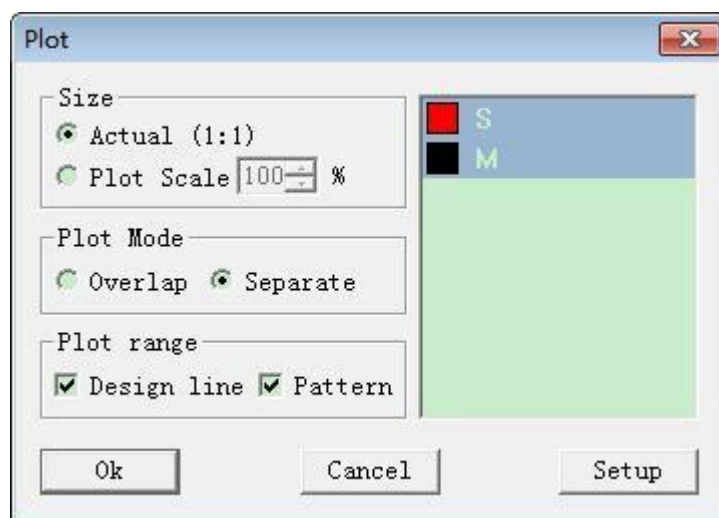


5. Click OK to plot.

Mention below:

1. Sets the port of the continuous cutting machine in the cutting center;
2. To change the pattern output lines, fabric lines, cutting, etc., you need to set it in [Options]
- [System Settings] - [Plot parameter].

【Plot】 Parameter description:



【Size--Actual】 Draw the actual size of the pattern 1:1;

【Size--Plot Scale】 Draw a pattern according to percentages.

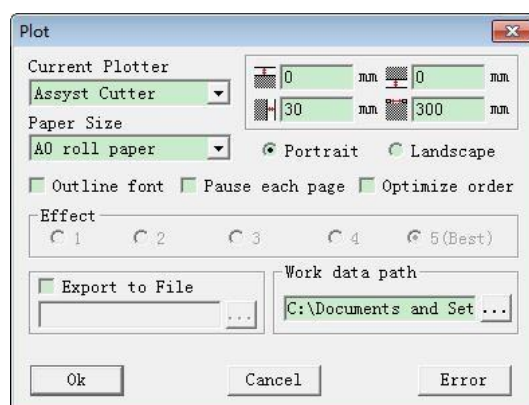
【Plot Mode--Overlap】 Pattern overlap plot.

【Plot Mode--Separate】 Print each size separately.

【Plot range--Design line】 Only plot design line.

【Plot range--Pattern】 Only plot pattern.

【Plot】 Parameter description:



【Current Plotter】 Click the inverted triangle on the right to select the plotter type.;

【Paper Size】 Sets the size of the paper.

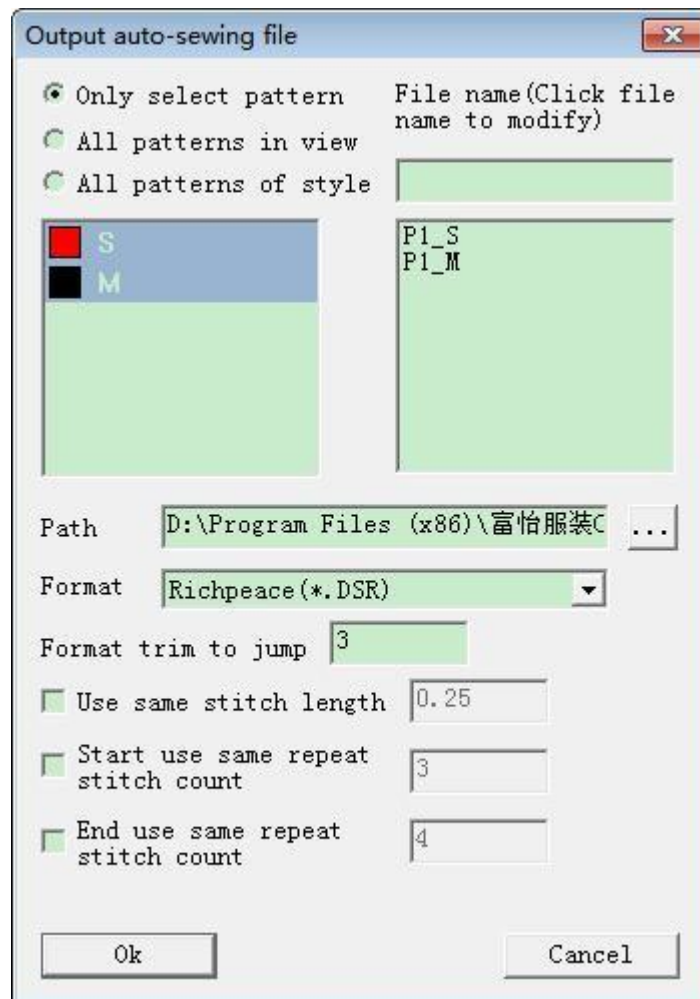
【Poryrait】 【Landscape】 Set plot direction.

Export auto-sewing file

Function:

Output patterns with sew template slots or only sew/cut/pen lines into sewing files. **operation:**

1. Open the template file;
2. Click the "File" menu -- "Export auto-sewing file", and the "Output auto-sewing file" dialog box will pop up.



3. Select the pattern, size, Path to output, and click OK to output.DSR file.