Richpeace AutoSew CAD System Manual

V9.0

Richpeace Group

Content of the feed

This manual is Richpeace clothing technology CAD of form a complete set of teaching materials, tells the story of the function of the software and operation, the system of comprehensive, illustrated, it has the strong learning and reference value.

Using the object of this book for clothing, clothing enterprise technical personnel and institutions clothing CAD enthusiasts.

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The first chapter

Richpeace Garment CAD Functions Overview

Section1 overview function

Section 1 function overview

The first chapter Introduces the main function of the software,The computer's basic configuration,The installation of the software and hardware,And the interpretation of the professional term.

The second chapter introduces Richpeace design and grading function and operation of CAD system.

The third chapter details the Richpeace discharge function and operation of CAD system.

Richpeace clothing CAD system is used for clothing,Underwear,Hat,Bags,Sofa,Tent industries such as publishing,The grading and typesetting software.

The system is powerful,The operation is simple,Easy to learn and easy to use.Can great improve the work efficiency and product quality,Are the tools of garment enterprises now.

Richpeace clothing CAD software,Can be published on the computer,Grading,Also can be manual pattern by digital camera or digital meter reading in the computer,After revision,Grading,Typesetting,The drawing,Of course also can read the manual put good yards of pattern.

How to read the manual

The use of two chapters in this manual are introduced Richpeace garment CAD design and grading, nesting two operating functions of the system.

The two systems interface introduction to introduce to you a simple operation environment of the system,You have a knowledge of the system,In the introduction part introduces the operation process of operation of the system,Reading this section you can complete a simple operation.Toolbar and menu bar to you in detail every function and operation of a tool.

The following from publishing,Grading,Redesign,And drawing five aspects to introduce the software function.

Publishing (pattern) there are three ways:

With automatic version

Storage library, a large number of patterns of software can easily modify the site size for order size, automatic grading and generate a new file, for a quick estimate Material provides exact data. Users can also set up the pattern library.

Free design

1. The multifunctional intelligent pen

A pen contains 20 a variety of functions, the general design is the same in the case of without switching tools can be;

2. Without the pop-up dialog box set size

Production structure, can be directly to lose data set size, improve the working efficiency;

3. Position switch (F9) to the nearest

Under the condition of the line is not cut, can go to the set size. Diagram below.

4. Automatic matching line segments equal points

In the online can automatically grab line equal parts when positioning points;

5. The mouse of the pulley and the blank space key

At any time on line structure, the pattern scale display or mobile pattern;

6. Smooth connection between the curve and linear

Online part of the linear part of the curve, a joint can smooth docking, not sharp corners;

7. When it can be a string of high display

8. Combined adjustment

Can get on line or more of the pattern of the group structure of line split up and adjust;

9. Correlation of symmetric adjustment

Adjust the symmetrical side, on the other side also in associated adjustment;

Measurement 10.

The measured data can be automatically refresh;

11. Turn the province

Can have one turn province turned, different heart, equal parts turn province, a turning more provinces, but the entire province transfer can also be in proportion to transfer, and turn province after the tip can be moved or can not move;

12. Add plait

Knife folds, h dark fold, fold, fold, fold, on average can be the plait is half fold, can on the specified line and linear fold fold or curve.

Online can also be inserted a province plait or more fold;

13. Remove the allowance

To specify the line extended or shortened, inserted in the location specified province fold;

14. The spiral falbala

Can do a tail width spiral falbala, also can end differ falbala wide;

15. The rounded handle

Can do equidistance rounded corners and not equidistant rounded;

16. Paper cutting sample

Provides colouring into samples, line selection into the sample, sample box cut into multiple as a way for sample, and into the hollow pattern function. And to form the pattern stitch can be generated automatically

17.Stitched .

Seam is associated with the pattern line, adjust the side seam of automatic updates. Equivalent seam or corner cut can set or change at the same time, the same parts

Fixed position of the seam is associated;

18. The snip positioning or modify

Online at the same time more sections with distance equal to snip, over a period of online equal parts and snip, snip in various forms; In the sleeves and suture of body position

Can be one-time to snip;

19. The automatic generation of park, stick

On the existing pattern automatically generated new park, stick sample;

20. Craft gallery

The software provides hundreds of sewing process diagram. Can be modified to its size, and are free to move or rotate placed in a suitable position;

21. The stitch line, sewing thread

Offers a variety of linear type and curve type, can be free combination of different lines. Sewing thread can choose between a one-way line and cross line, Angle can be self

Set;

22. The shrink, local shrink

For the same fabric pattern unified shrink, which can be shrunk to individual pattern of local processing;

23. The safety of the file to restore

Each file is equipped with automatic backup, or because of emergency file without saving, the system will also help us retrieve data;

24. The file security function

Software to the customer's file, even if the file is copied will not stolen;

25. ASTM, TIIP

Software can enter the ASTM, TIIP file and output ASTM, resource sharing and other CAD;

26.Article The custom tools

Shown on the interface tools to combination, and right-click menu display tools can also be set;

The manual pattern to import

By a digital camera or digital instrument manual pattern into computer pattern, can be a single code input, can also be a neat code input.

Grading

1. Automatically determine the positive and negative

Use a little put clock put code, software can automatically determine the plus or minus the amount of code pattern;

2. At the same time to put the part of the amount of code the same grading

Can be chosen box of grading and grading point;

3. The pattern between each line and auxiliary line code can be parallel grading;

4. The pattern on the auxiliary line can be put with the line or code also can separate grading;

5. Set the size grading

According to line or the length of the straight degree grading;

6. Group grading

Code can be put between groups can also be put in group code;

7. The text put yard

The content of the text displayed on the each code can be different, and the location can also put code;

8. Buckle, button hole

Can be specified in the online add button button bits, on average, also can add button button bits, in accordance with the specified spacing. Put the code in each code can be equal to the number of,

Can also be different;

9. Put copy code amount

Can be a one-to-one copy, copy can also be a one-to-many;

redesign

1. The shadow

Revised below can have the shadow show, whether to modify pattern be clear at a glance. After repeatedly revised pattern can also return to the shadow prototype;

2. The whole mobile and only offset to the line

Position shift more of the same data, can be adjusted at the same time;

3. Adjust the code base yards and yards of the base (point or line)

When adjusting the pattern, but at the same time adjustment all codes or just a single code, can be adjusted in proportion to also can be adjusted parallel;

4. According to the length of line segment

Can be automatically according to the length of each line;

5. Save plait the merger of the adjustment

Or put the code on the codons province plait, can put the province fold away check and adjust the fold line smooth;

6. Walking function

With a pattern in the walk on the same and the adjustment of the connection is smooth;

Section 2 Software installation

Software installation steps

1. Close all running applications;

2. Insert the Richpeace installation CD into the cd-rom;

3. Open the CD, run the Setup, pop up the following dialog box;

4. Click "yes", pop up the following dialog box;

5. Choose the required version, such as choosing "stand-alone" (if it is online user, please select online), click the Next button, the pop-up for below Dialog;

6. Click the Next button (or you can click the "browse" button to redefine the installation path), pop up the following dialog box;

7. Click the Next button, pop up the following dialog box;

8. Click the Next button, pop up the following dialog box;

9. Click the Next button, pop up the following dialog box;

10. Click on the Install button, pop up the following dialog box;

11. Click the Finish button. In the computer with can software can run the program. If can't open the software need to manually install can drive;

12. 12. From the "my computer" to open the software installation disk, such as disk C - C: \ Program Files \ Richpeace garment CAD V9.0 (enterprise edition) Drivers -- SenseLock - - InstWiz3 setup Beijing Senseloc..., double-click the install instWiz3 (on each computer to install);

13. If you put online edition is still need to install Drivers -- HASP_HL -- HASPUserSetup (in each computer is to install).

14. If you pack the colleges and universities is the edition of the pack Drivers - HASP_HL -- HASPUserSetup can.

Install yellow-green super row lock driver steps:

1. Plug super row lock on the computer's USB port;

2. Display the lower right hardware USB Dongle,"

corner will be prompted to "find new diagram below.

3. After about 5 seconds, suggesting the find new hardware wizard dialog box, as shown.

4. The default is selected "install the software automatically (recommended) (I)", click "next" button, wait for a few seconds after the "next" button to "to the end "Button, the diagram below.

5. Click "finish" button super line driver is installed.

Section 3 The installation of the plotter and digitizer

The installation of the plotter steps:

1. Turn off the computer and plotter power;

2. Using serial/parallel line/USB cable connect plotter and the host computer;

3. Open the computer;

4. According to the manual plotter, boot and set operation.

Note:

1. The ban on a computer or plotter boot state, the plug serial/parallel line/USB cable;

2. Connect the power switch before, ensure the shutdown of the plotter;

3. Connect the power supply socket should be good contact.

Digital instrument installation steps:

1. Turn off the computer and digital instrument source;

2. The digitizer serial port line connected to the computer;

3. Open the computer;

4. According to the digitizer using manual, boot and related set of operations.

Note:

1. The ban on a computer or digitizer boot state, the plug serial port;

Before 2. Connect the power switch, make sure the digitizer was turned off;

3. Connect the power supply socket should be good contact.

Section 4 Professional terms

Click left key: refers to press the mouse left key and before the case of the moving the mouse left key;

Press the mouse right-click: refers to the right and in the case of not moving the mouse let go right. Said one end of the operation command;

Double click on the right: refers to the same location by pressing the right mouse button twice quickly;

Left drag: refers to move the mouse to point, line graph after yuan, press the mouse left key and keep pressing the status, move the mouse;

Right key drag: refers to move the mouse to point, line graph after yuan, press the mouse right and keep press status, move the mouse;

Left key box to choose: in which there is no the yuan to move the mouse to point, contour map, press the mouse left key and keep pressing the status, move the mouse. If the distance is Line, in order to avoid into a **left key drag** can be in before you press the left mouse button press the Ctrl key;

Right choice: key box in which there is no the yuan to move the mouse to point, contour map, press the mouse right and keep press status, move the mouse. If the distance is Line, in order to avoid into **right drag** can be in the press the right mouse button to press the Ctrl key before;

Point (in)) : it means the mouse pointer to a want to choose the object, and then quickly press and release the left mouse button;

Single shot: no deliberately said right, refers to the left;

Box to choose: no deliberately said right, refers to the left;

F1 to F12: refers to the keyboard at the top of the 12 keys;

Ctrl + Z: refers to the first not loosen the Ctrl button, then press the Z key;

Ctrl + F12: refers to the first not loosen the Ctrl button, then press the F12 key;

Esc key: refers to the top left corner of the keyboard Esc key;

The Delete button: refers to the Delete key on the keyboard;

The head of the arrow key: refers to the four directions of keyboard lower right key (up, down, left, right);

--------: there are wavy lines under the words in V8.0 version on the basis of the new features.

The second chapter

Richpeace design and grading system of CAD

Section1 keyboard shortcuts, mouse wheel and software installation is introduced

A adjustment tool **B** intersect equidistant line **C** compasses

D equal parts gauge **E** rubber polishing **F** the smart pen

G mobile **J** docking **K K** symmetry **L** Angle

M symmetric adjustment **N** combined adjustment **P** Point

Q Q equidistant line **R R** more length **S** a rectangle **T** pull over

V even Angle **W** scissors **Z Z** each code alignment

F2 Switch shadow and the pattern line

F3 show / / hidden hide the length between the two grading point

F4 display all shape / / only codons

F5 switch line seam lines and patterns

F7 show/hide seam line

F9 matching lines to the whole period of / / section

F10 show/hide the drawing paper width

F 11 matches a code / / all code

F12 workspace pattern back pattern window

Ctrl + F7 show/hide portions

Ctrl + F10 page in the printed page displayed when borders

Ctrl + F11 1:1 shows

Ctrl + F 12 pattern all the patterns in the workspace window

Ctrl + N new

Ctrl + O to open

Ctrl + S to save

Ctrl + A save as

Ctrl + C to copy the pattern
Ctrl + V to paste the pattern
Ctrl + D to delete the pattern
Ctrl + G to clear pattern grading
Ctrl + E shape editor
Ctrl + F show/hide code points
Ctrl + K show/hide the grading
Ctrl + J color fill / / not filling pattern
Ctrl + H to adjust when the show/hide string line
Ctrl + R to regenerate the cloth grain line
Ctrl + B rotation
Ctrl + U display temporary guides and hide the guides
Shift + C shear bolt
Shift + U hide temporary auxiliary line, part of the auxiliary line
Shift + S line adjustment
Ctrl + Shift + Alt + G to delete all the reference line
ESC to cancel the current operation
SHIFT line drawing, hold down the T SHIFT conversion between curve and broken line / / conversion structure line straight line and curve points
The enter key Text editor of wrap operations / / change properties of the currently selected point / / pop-up cursor key mobile dialog
X key with the combined code alignment, put code amount in X X direction alignment
Y key with the combined code alignment, put code amount on the Y Y direction alignment
U key press U key, click on the workspace pattern can be back pattern list box
Note:

Press Shift + U, after when the cursor becomes , click the choose to hide or box guides can be hidden.
F11: cloth grain line move or extend the fabric line, match a code/match all code; T mobile T word, match a code/all code; Use the eraser to remove the auxiliary line, match a code/all code.

*** * * :** when at the bottom right corner

There is a point,matching the currently selected code, the lower right corner

There are three points shows, matches all yards.
Z key each code alignment operation:

1.In choosing the pattern control tool, select a point or a line;

2. . Press the Z key, grading line will be according to the control point or line alignment, continuous press the Z key put code amount to that point in the X, Y direction alignment, alignment, X direction, Y direction between alignment, recovery cycle
The mouse wheel:
In the case of selected any tools,

Scroll the mouse wheel forward, workspace pattern or structure line moves down;
Scroll the mouse wheel, back work area the pattern or structure line move up;
Click the mouse wheel to full screen;

Press the Shift button:

Scroll the mouse wheel forward, the pattern or structure in the work place line to the right;
Scroll the mouse wheel, back of the pattern or structure line move to the left;

The keyboard direction key:

According to the direction key, the pattern or structure in the work place line moves down;
Press the direction key, the pattern or structure in the work place line move up;
Press the left arrow key, the pattern or structure in the work place line to the right;
According to the right direction key, the pattern or structure in the work place line move to the left;

Small keyboard + -

Small keyboard + key, each according to the key, the pattern or structure in the work place line amplification according to certain proportion;
Small keyboard - key, each press this button once, the workspace pattern or structure line narrowing according to certain proportion;

The blank space key features:

1. The selected any tool case, put the cursor on the pattern, "press the blank space key, can be turned into mobile pattern cursor;
2. Use select pattern control point tool, box to choose multiple pattern pattern, press the blank space key, the selected pattern can move together;
3. In the case of the use of any tool, press the space bar (up) the cursor into a zoom tool, scroll the mouse wheel forward at this time, the workspace content is centered on the position of the cursor zoom, rolling back the mouse wheel, the workspace content shrinks for the center with the cursor location. Right click for the full screen.

Dialog doesn't pop up data input methods:

1. Lose a set of data:The type number, press enter.
Cases, with the horizontal line of intelligent stroke 30 cm, left-click on the starting point, switch input data in horizontal direction 30, press enter.
2. To lose two sets of data: and the first set of Numbers - the enter - and a second set of Numbers - press enter.
For example, 24 x60 rectangle with the rectangle tool to draw, from the starting point, with the rectangle tool set lose 20 - press enter - 60 - press enter.

Right-click menu form dialog

Right-click in the table dialog box on the table in can pop-up menu, choose from the menu data can improve the efficiency of input. Such as 1 "eight points in the table 3, operation method, in the form first loses 3/8" 1 "to strike the right choice.

Section 2 Interface design and grading system is introduced

System interface is introduced

System interface is the user's studio ,Familiar with this interface would be familiar with your work environment ,Nature can improve the work efficiency.

Save the path

Show the current inventory of the open file path

The menu bar

The place is a menu command, And each menu drop-down menu and various commands. Click on the menu, Will pop up a drop-down list, Can use the mouse click to select a command. Can also hold down the ALT key on the menu after the corresponding letters, Menu can be selected, Then use the direction key selected need to command;

Quick toolbar

Used in place of common commands shortcut icon, For rapid design and grading work provides great convenience;

The paper list box

To the current design of the pattern. Each pattern is placed in a small lattice pattern box, The pattern box layout by “option]”-- "System Settings" -- “ interface Settings “ -- “pattern list box layout” change its position. The paper list box placed all of this design pattern, Name of the

pattern, Number and serial number are shown here, Drag the pattern can adjust the order, Different cloth according to different background color.

scale

Show the current use of units of measurement;

Design the toolbar

The column with the draw and modify the structure line tool;

The pattern toolbar

After the tool with scissors cut the pattern, Use the tool bar will detail processing, Such as add snip, Add drilling, Add seam, Add seam tracing line, Add shrinkage, etc.;

Grading toolbar

There is in a variety of ways to put the bar code when needed tools;

The work space

The work space as an infinite of paper, You can play in this your design ability. The work space can be design line, Can also be for the pattern grading, When drawing can display the paper boundary;

The status bar

The very bottom of the status bar is located in the system, It shows what is the name of the currently selected tool and operation hints.

Section 3 Quick start operation

To establish the pattern library

Double-click the my computer icon on the desktop, Open and then double-click

or E or F, Right-click the new folder in the blank space again, Can put the new folder name after the usual file name for you, Such as

,

, Of course, also can be divided according to the your customer name, Such as

,

, Then save the file when can classify in their own position.

Long sleeve blouse plate making

Note: In the concrete operation of involved tools are detailed in a later chapter in the toolbar.

1. Click the "Shape" The menu -- “shape edit “, In setting up shape specification table in the input size (this is optional);

2. Select the smart pen tool in the margins set length (64 cm), After the chest (bust 98/4 = 24.5 CM);

3. After using rectangle tool set led 8 cm wide, After get 2 cm deep, Select the smart pen tool draw a collar curve, Adjuster and symmetry To symmetric adjustment collar curve;

4. Select the smart pen tool, The cursor on the top of the line after, Press the Enter key when point into a bright star, Pop-up offset dialog box, type offset press, And connected to the neck width point;

5. Continue to use the smart tool, On the flat line (equal) click and drag down, 24 and click left key on the keyboard to knock, set the chest line. The same operation method determine waist line;

6. use intelligent pen tool to set back width (Can use a calculator /6+2.5=18.8)

7.use intelligent pen tool to draw the back sleeve cage.when set equally point on the back width line, if the equal number isn't your need. input the appropriate number of parts in the toolbar adjust the circle with the adjustment tool

8. use intelligent pen tool to side seam and lower, then adjust the circle with the adjustment tool

9. Use Move to copy the post structure line to make the front, smart pen in line to drag the bust line 2.5CM;

10. Use the rectangle tool to make the front collar deep 9CM, front collar width 8CM, Use the pen tool to make smart before the shoulder line 4.2CM, chest width 17.8CM .Draw the front curve and then use of symmetrical adjustment tools adjust the front collar to adjust to your satisfaction;

11.Measure the length of the shoulder and record the length of the post with the length of the tool. Make the front shoulder, with the Compasses . Use the pen tool to draw fore sleeve cage curve

12. use the mobile tool to flip side seam And use the adjustment tool to adjusted the side seam from the endpoint to bust 2.5CM line

13.Use the pen tool to draw lapel and cycloid . use the combined adjustment tool to adjust the front and rear ring.

14. Use the pen tool to make armpit dart midline and before and after rhombic dart midline,use comparison length tool to measurements of the front and rear sleeve cage length and record;

15. Use the pen tool to draw a Sleeve 32CM make front and back sleeve slash with the Compasses |

16. Use the pen tool to draw sleeve slash, then adjust the circle with the adjustment tool As shown above:

17. use comparison length tool to Comparison of the difference between the sleeve slash and the front and back sleeves If the content is not your expected value, Adjust step by step with line adjustment tool;

18. Use the pen tool to draw sleeve centerline and cuff 、sleeve side seam.

19. use comparison length tool to measure the total length of the before and after the neckband curve, Use the pen tool to draw a collar.

20.use fofex to pickup the outline of pattern and parallelism pattern plea midline.

21.use graineline adjusting the pattern cloth line direction.use v-dart

to add armpit dart in front. Use figiate dart to add waist dart in front and back.use dirll to uttoning up in front .use add seem to add appropriate seam toward to all patterns.

22.use notch to Cut the pruning wound at the waist.use sleeve crown armhole notch to Cut mouth n front of the front and back sleeves and the curve of the sleeve.

23.use pattern symmetry to related and symmetry After the picture pattern and collar.

24.click 【pattern】--【style info】Eject“style infomation” Set the style name, customer name, order number, fabric color, Set all the pattern marks line direction;

25. click 【pattern】--【pattern info】Eject“pattern infomation”input all pattern name Material name and the number of copies.

26. Save document erery style should click save button The system will pop up [the document is saved as a] dialog box Select the appropriate path to store the text File Click to save again This step can be done after doing som teps to save develop the good habit of keeping the document at any time;

27. grade :The first edit specification table click [size] menu-- [edit size table] hen to increase size and set the size of color

28. Click the shortcut toolbar Display structure line and make it up click Display print and Make it press Press F7 to hide the seam line ,put the before and after picture pattern into the work area Put a good position .click ,Pop grade table to select automatically determine the positive and negative button

29. With the size point selection pattern control point tool box selection put the same amount of size Such as front and rear side seam Put the table at the point of DX in base yardsInput 1 in any size.click X equality t

30.the same operation before and after the completion of shoulder, neck width.

31. Selected grade point If the length of the individual size file is not the same you can use the same Y Different size values are entered in the same size. Then Y is not equally spaced

32.Click the positive or negative button Make it not chosen The same method is used for the front and back pieces of the waist, sleeve length, the front collar deep place Using the V - dart

and conical too l to put the size under the arm of the province and the diamond;

33. alike use the point grade table to grade the sleeve and collar use comparison length tool to Check the difference between the sleeve of the size and the sleeve.

34. Mapping: All the pattern to draw placed in the work area Check whether the information display wove line pattern (option - system settings - line pattern
Set / print graphics)

35 .click Edit menu - automatically arrange the drawing area;click ok and draw the pattern.

36. Click drawing Select the appropriate option in the pop-up dialog box.

Section 4 shortcut toolbar

New (N) **Ctrl+N**

Function:

Create a blank document.

Operation:

1. Click or press Ctrl+N,to create a blank document;
2. If there is a unsaved file in the workspace it will pop up【storage file? 】Dialog box asking whether to save
3. Click on the [Y] will pop up "save as" dialog box Select a good path to enter the file name Press [save], Then the file is saved(as has been saved Is saved by the original path)

Open **Ctrl+O**

Function:

1. Click the icon or press Ctrl+O to open the【open】dialog box;
2. select the appropriate file type, follow the path selection file;
3. click 【open】(or double-click the file), that is to open a saved file pattern.

【open】 dialog parameter description:

【style chart】: check box to display the contents of the file in the work area before the last time save;

Display "**style information**" -【description】of the contents, such as the "2009 best seller" in the dialog box ";

【find file】: click the button, then pop up 【find file】dialog box;

【find file】 parameters:

【Browse】tab

According to the selected folder path, browse box that shows the design of the folder all DGS file figure, no Style chart is expressed as x;

【search】tab

According to the prompt content query item, enter the contents of the relevant documents, select [search] the following letter name Point [start], pending [search].

File name, click open

Save (S) **Ctrl+S**

Function:

Used to store files.

Operation:

1. Click or press Ctrl+S After the first save, the pop-up [document is stored as] a dialog box, specify the path input the file name Into text box of the file name, click save

2. again save the file, then click the icon and press Ctrl+S, the file will be saved in the original path, and the original file name

Description:
1.if input the style name before the first time to save the file .then when save will be named as the name be used before.
2.if the file is not changed, the icon is gray, is non activated state.

Reading pattern

Function:

With the number of plates, the mouse, can be made by hand or put the size base size pattern mesh pattern input to the computer.

Operation: read base size

1 .tape pattern on number plate;

2 .Click the icon , to pop-up dialog box **[read pattern]**, With the number plate mouse cross star aim at the point which need to input (see sixteen key mouse Key preset function,) In a clockwise direction in order read the edge points .press the 2 key to close pattern

3.Then automatically select the opening auxiliary line (If you need to enter a closed secondary line Click , If need hollow out pattern click) According to the property of the point press the corresponding key, each reading a auxiliary line or hollowed out a place or closed auxiliary line, press down the 2 key.

4.according to the method in the schedule, read other internal marks;

5.The dialog box click the **[read new pattern]**, the first reading of a pattern appears in the pattern list, **[reading pattern]** dialog box blank. This time can read another pattern;

6.After reading all the pattern, click **[End reading]**

Note:
Drilling, buckle, buttonhole, line, circle, dart inside: can read can be read after reading in the reading line before the line.

For example, the pattern， number or letter is surrounded Mouse indicate button。 Not be surrounded indicate the sequence of picture reading

1. sequence number 1、2、3、4in sequence read by 1key 2key 3key 3 key.
2. with the mouse 1 keys on the menu to select the corresponding knife dart and then use 5 key to read .use 1 key and 4 key to read corresponding point. use corresponding key in sequence to read corresponding point
3. Serial number 11, If the dialog box be chosen is **[grading curve]** , then you use the 3 key and 4 key to read the position in sequence Serial number 22 25, you can directly use the 3 key;
4. After reading the serial number 17. Select the corresponding dart on the menu with the 1 key. read the dart again
5. Serial number 31, first with 1 key read and then 2 key read;
6. When Read diamond dart use mouse 1key to choose diamond dart on menu.Because the diamond dart is symmetric only read half is ok.
7. When reading the opening line Every time you finish reading an auxiliary line, you need to

press a 2 key to end.

Read grade pattern:

1. Click on 【**size**】menu--【**edit size**】According to the pattern size editing and specifies the base size, click ok;
2. the pattern from large size to small size according to order, On one side as the basis, Neatly folded together, Fix it on the number plate;
3. Click the icon, pop-up **[read pattern]** dialog box, First with 1 key input a grade point of pattern base size ,then use e key to read the corresponding grade point from size to size according to the order;
4. The same operation input other grade point the point doesn't need grade just read the base size;
5. input is completed, the final with 2 keys to complete.

Examples are illustrated as follows

1. input four size in【size edit】dialog box Such as S, M, L, XL for convenience ,set s as the base size
2. Post the grade pattern on number plate as shown above
3. Starting from point A, Interpret the images in a clockwise direction ,use 1 key to click on the base size With the "E" button in the A1, A2, A3, click on;

4 .with the "1" key in the B point,click(B point isn't grade) then use 4 to read the size base of neckline;

5 with the "1" button on the C point, click, Then click on the "E" button and click C, And then click the two time at the C2 point.neck width's diffirence is 2 yards

6.D's reading style is same as A Then use the "4" key to use the sleeve. On the other size and size point with the pronunciation..... "2" key to complete;

Be careful:
Sixteen key mouse, Can be based on different points of the property, With the keys of the preset function to read, If you are the four key mouse You can click on【function】Select the corresponding function in the drop down menu, Can also use the menu function to interpret the images.

Sixteen key of the mouse button's preset function

1 Key Line grade point 2.key closing finishing 3 key: cut point
4 key: curve not grade point 5key dart 6key drill hole
7 key curve grade point 8key drill hole 9 key Eye position
O key circle A key Line not grade point B key read new pattern
C key cancle D key cloth line E key grade

F key: auxiliary key (used for switching the selected state)

Enclosure:

type	operation	Sketch Map
Opening Auxiliary line	After finish reading line, The system will automatically switch to the use 1 key to read end points, the middle	

	point (according to the point of the property is read into the 1 key if it is a straight line, if it is an arc of 4 keys) 1 key read another endpoint press 2 key to end.	
Close Auxiliary line	After finish reading the sideline and click input according to the properties of the point is OK.	
Inner sideline	After read the side line click on input according to the properties of the point is OK Press 2 key to close	
V dart	When reading the V dart First with 1 keys on the menu, click V dart (Software default V dart if read this dart and don't read other dart) Don't need choose on the menu. Press 5 keys are read in turn dart Base starting point、dart tip dart bottom end if the dart is curve Because dart is symmetrical .when it is curve dart just need read one side	
Cone dart	When reading the cone dart First with 1 keys on the menu, click cone dart(Software default cone dart if read this dart and don't read other dart) Don't need choose on the menu. Press 5 keys are read in turn dart Base starting point、dart tip dart bottom end if the dart is curve Because dart is symmetrical .when it is curve dart just need read one side	
Inner V dart	After finish reading the sideline irst with the 1 key to click on the menu on the V - shaped dart reperusal operation is same as the V dart	
Inner Cone dart	After finish reading the sideline irst with the 1 key to click on the menu on the cone- shaped dart reperusal operation is same as the cone dart	
Diamond dart	When reading the diamond dart First with 1 keys on the menu, click diamond dart(Software default diamond dart if read this dart and don't read other dart) Don't need choose on the menu. Press 5 keys are read in turn dart Base starting point、dart tip dart bottom end if the dart is curve Because dart is symmetrical .when it is curve dart just need read one side	
pleat	Read dart (bright, dark), knife darts (bright, dark) the same operation, in line read, read To these folds, select the type and backward on the menu first fold with 1 keys, 5 keys and CIS Read the end of the hand in the direction of the hand. 2, 3, 4, 1, said the dart order.	

pruning wound	When reding to the pruning wound, according to the point of 1, 4, 7 properties of selected A, which has 3 key; Read into. If you choose a curve in the dialog box to interpret the images of grading position, put the size on the curve; With the reading and cutting, you can read directly with 3 keys.	
Cloth lines	Before or after finish the sideline According to the two ends of D key line reads. If you do not enter Linen line, the system will automatically generate a horizontal line pattern.	
Buttonhole	Before or after finish the sideline Two points with 9 key input.	
Punch	Before or after finish the sideline With 6 key click the hole center position.	
circle	Before or after finish the sideline Using 0 key to read three points on the circumference.	
Style name	With 1 keys on the menu, "style name", and then click on the name of the number or letter of the name.In a file name only once.	
Brief introduction, customer Name and order number	Ditto	
Pattern name	After finish reading a pattern,click the“pattern name”on the menu with 1 key	
Drapery and The number of copies	Ditto	
Text string	After reading the pattern, with 1 click on the menu "text string", then click on the pattern at two points (determine the location and direction), and then click on the text, and then click on “Enter” the menu again	

Interpret the images show:

1. when reading sideline and inner closing line Read in clockwise direction;
2. dart and dart
   - when reading sideline dart and dart At least read a line of points;
   - when reading V dart If the open reading pattern dialog box also did not read other dart or dart You don't have to choose the menu;
   - when reading the same type dart and dart in a pattern just select a type of menu one time

3. Drapery and The number of copies

There is a variety of fabric in a pattern If there is a pattern, with 2 copies , with 1 keys in the click "cloth", and then point of the fabric of the name "surface", Then click the copy number, and then

click the corresponding number 2"and then click on the "fabric" click Another name "Park" Then click "copy number" ,And then point the corresponding number "1".

【pattern dialog】parameter description:

The pruning wound after the drop-down box has a variety of cutting type choice, selected to interpret the images when Show the type of cut, cut the type of the type of the drop-down box, there are four types of points for selection, such as the icon for the curve to put the size point, then read the song When the line is put on the spot, the line is using 3 is OK

设置菜单(M) When I first read the pattern or menu is moved, need to set the menu. Operation, the menu is attached to a certain corner of the effective area of the plate To set, click the command, select "yes", and then click the left corner of the menu, left corner, right corner of the menu with 1 key.

读新纸样(N) When the reading of a pattern, click the command pattern, read back pattern list box, can read another pattern;

重读纸样(R) reading pattern, false steps more, use the command again after reading like

补读纸样(A) When the pattern has been put back the pattern window, click the button to fill read, such as cutting, auxiliary line etc.. Operation, select the pattern, click the life So, the selected pattern is displayed in the dialog box, add read unread elements;

结束读样(E) Is used to close the interpret images dialog.

Digital input

Function:

Open the pattern picture file taken with a digital camera or scanned imagefiles. Efficient than digit al reading pattern.

Digital photo requirements:

1.Place background pattern: the background colour is white, the anchor pointfor black small circle

(regardless of the background color, the anchor point must be a small black circle). Anchor size can be set, and the number ofanchor points split between the length and width of the rectangle, asdemonstrated;

2. To design a good pattern of regional use white paper to print down, put on a big white area (best of magnetic white board);

3. 5 million pixel camera, photo size must be in more than 2000 * 1500;

4. The photo must be clean, in addition to the pattern of regional pattern and anchor point, other area color needs to be consistent with the base;

5. Photos must be clear, anchor point and the pattern can't fuzzy (affecting accuracy);

6. The pattern must be placed within the anchor point, 1-2 cm distance from the anchor point. Fixed pattern of pins or magnet for 1-2 cm distance from the pattern border;

7.The pattern must be flat on the anchor point, photos must be clear, can't lift up or crease,cannot exist shadow (affecting accuracy);

As is shown in

8.The following is unqualified pictures.

The digital input dialog box toolbar

After automatic recognition of image or select manual identification, after open the picture can be the following actions:

Amplification：hold down the blank space key,choose the need to enlarge the area,will enlarge the region ;
Hold down the blank space key and scroll the mouse wheel,larger or smaller the image;
Hold down the blank space key and click the right mouse button ,full screen pictures;
Direct rolling sliding the mouse wheel, move up and down the pictures, hold down the shift key scroll the mouse wheel, moving the images.

Open the picture

Function:
Open the pattern images of digital camera and the picture of the scanning . In identifying the scanning figure, if you don't need to automatic identification, can choose to manual identification, the tool automatically will select the line drawing tool.

Save

Function: the identification scan and using picture type is the structure of the system.
Operation: click on the tools, the system automatically identifies good information stored in the directory of the original images, suffix called opr.

Set up

Function: before open the pictures, digital input system must be set.

A digital camera

The scanner

The input device is the digital camera, need to input positioning distance and the number of equal parts according to the actual situation.

Automatic identification

Function:
When input devices the scanner,can choose in manual and automatic identification recognition. After scanning images, automatic identification, line color as the fourth in the color set of the system operation,

Modify the tool

Function:

Modify the structure line, modify the pattern line and auxiliary line.

Operation:

1.Adjust the control point location: with the tool selected line first, then click the point to move to the target location

2. Add: use the tool to select the line first, then no point location click, can increase the control points;

3. Delete the point: use the tool to select line, move the cursor to the location of the control points strike right click or press the Delete to remove points;

4. Change the point attribute:switch the turning point and curve line ,with the tool selected first line, hold down the SHIFT key on the right click to change the point;

Painting line

Function:

Used to draw the pattern of the line, also can change the pattern on the touchline properties of control points.

Operation:

1.Draw a line

A) when the line drawing points for the curve of the default picture, hold down the SHIFT key to draw the point of turning point for (except, tail first point), the right end.

B) in the process of line drawing press the Delete key will Delete the last point.

2. Change the point attribute

A) grading point with the grading point switch: use the tool in the right to change the point;

B) turning point and the curve line switch: hold down the SHIFT key on the right to change the point.

Structure lines, auxiliary lines

Function:

Draw a line in the structure of the scanning line, the pattern with auxiliary line, change the attribute structure line and auxiliary line control points.

Operation:

1.Draw a line

)Line drawing painting by default when the points for the curve, hold down the SHIFT key to draw the point of turning point for (except, tail first point), the final right over.

B) in the process of line drawing press the Delete key will Delete the last point.

2. Change the point attribute

A)Grading point with the grading point switch: use the tool in the right to change the point of strike (only for auxiliary line);

B) turning point and the curve line switch: hold down the SHIFT key on the right to change the point.

Wire cloth

Function:

On the pattern lines to canvas print, delete fabric.

Operation:

1.The canvas lines ： The canvas with this tool in tracing click two points respectively;

2. Delete the fabric line: move the tool to want to Delete the line position, cloth fabric line after the lights, right click or press the Delete key can be deleted.

Snip

Function:

Painting snip, modify, delete, snip snip in direction.

Operation:

1. Draw snip: use the tool to click position.

2. Modify the snip direction: move the tool to snip, snip brighten, then click left key to ideal direction.

3. Delete the snip: move the tool to want to Delete the snip, snip brighter, right click or press the Delete key can be deleted.

Point

Function:

In the structure of line or pattern add, delete and modify points .

Operation:

1. Add: at no point location click;

2. Move points: select this tool, move the cursor to the existence of the auxiliary point, and then click click move to the target position;

3. Delete points: select this tool, move the cursor to the existence of the auxiliary point, right click or press the Delete key.

Cut/connection

Function:

Shear structure, the structure of the connection line, cutting auxiliary line, connecting auxiliary line.

Operation:

1. Cut: click to cut the line, then click on the target position.

2. Connection: click to connect line respectively. The premise, two line not too far apart.

Delete

Function:

Delete the point, line structure, the pattern auxiliary line.

Operation:

Click or box to choose to delete points, line structure, the pattern of auxiliary line can be deleted.

Undo

Function:

For operating instructions, in order to cancel did each press can undo step at a time.

Operation:

Click the icon to cancel the step. According to several undo steps in turn.

To perform

Function:

The undo operation again, each time you press the can recover one step operation, can be executed multiple times.

Operation:

Click the icon to go back one step.

Complete

Function:

Manual or automatic recognition is finished, click the icon to generate the pattern or structure.

Drawing

Function:

In proportion to draw the pattern or structure.

Operation:

1. The need to draw the pattern or structure among the workspace in good, if is to draw the pattern also can click "edit" menu - automatic arrangement plot;
2. Press F10, according to the paper width boundary (if the pattern out, fabric online have round red alert, would probably have to move the pattern to limits).
3. Click on the icon, the pop-up dialog box【drawing】;
4. Choose the required drawing ratio and drawing mode, click on does not require drawing size make it without color fill;

5. Click the pop-up dialog box【plotter】 【set】 in the dialog box set the current reserve plotter type, paper size, edge, working directory, and so on, click on the 【sure】to return to the【drawing】 dialog box.

6. Click on the [sure] to the drawing.

Mention below:

1. In the center of the drawing set in the connection plotter port;

2, to change the pattern outside threats output lines, wire cloth, cut the mouth of the Settings, is in 【option】-【system Settings】- set the【print drawing】.

【Drawing】 parameter dialog

【The actual size】actual size refers to the actual size drawing according to 1:1 pattern;

【Click on the drawing ratio 】 after subsequent text box appears bright, in which can input to draw the pattern and the percentage of the actual size.

【Each code overlap】 The results of the output is according to the each code overlap.

【All the yards apart】is refers to the code output independent way.The right of the dialog is Shape selection box ， that is used to choose the output shape,

Show the code of the blue is the output shape ,If you do not wish to output shape, Click on the shape to make it white,By default, this box is select all;

【set】 refers to the set of some parameters of the plotter.

【plotter】 TAB parameters:

【The current plotter】Model is used to select plotter, click the small triangle will pop up a drop-down list, choose the current use of plotter name;

【The paper size】Is used to select the paper type, click the small triangle will pop up a drop-down list, select the paper type, also can choose custom, enter the page size in the pop-up dialog box, click [sure];

Drawing paper left margin ; Set the drawing paper right margin

Set the spacing of the drawing and drawing next time;

Set up the spacing of registration mark

【Vertical】【Horizontal】Used to select the direction of drawing;

【The output to a file】Check, can store the workspace pattern as PLT file. Directly in the center of the drawing out PLT file mapping, so even if connect plotter can be drawing without clothing software on your computer.

Operation:

In the dialog box【plotter】,checked【output to a file】;

2.Click the and pop-up dialog box【the output file name】 ,input file name, click the 【save】 return to【plotter】dialog box, click on【sure】, back to the【drawing】dialog box, again【sure】 to save.

【Working directory】The point at which the drawing work path.

Drawing, for example, in the unit of the company on the "Richpeace garment CAD V 8.0" the PLOT of the sharing, sharing the PLOT of the working directory to choose this machine. If there is AB two computers, connected to A computer and plotter, computer B to mapping through the network, in the first turn on the computer A "Richpeace costume CADV 8.0" under the PLOT sharing, in the work of A computer B directory can be select A PLOT in A computer. If the computer is large, for the computer drawing more quickly find connections, can directly enter the IP address here. Note: drawing port is set in the center of the drawing.

Operation:

1. Click the 【error correction 】and pop-up 【 password】 dialog box, enter the password, click on the [sure]. Need a password of customer need to consult to the Richpeace company;

2. The pop-up dialog box drawing【error correction】:

Refers to fill in the 1 m in width direction actually draw the value;

Refers to the long direction picture fill in 1 m actually draw value;

3. In the software to do a 1 m X 1 m rectangular, such as actual draw on the width of 998 mm, picture to nod is 998.2 mm, then you need to picture direction input 998 mm wide, in direction input 998.2 mm long, click [sure].

Special note:

This part don't change easily.

Undo Ctrl + Z

Function: used for operation instruction, in order to cancel did each press can undo step at a time.

Operation: click on the icon, or press Ctrl + Z, or click the right mouse button and then click the "Undo".

Note:

When unable to cancel the operation, the icon and Undo is gray.

To perform Ctrl + Y

Function: the undo operation again, each time you press the can recover one step operation, can be executed multiple times.

Operation: click on the icon, or press Ctrl + Y

Show/hide variables

Function:

At the same time to show or hide all variables.

Operation:

1. with to compare the length, measuring the size of the distance between two points tool records;

2. Click to selected for display, not selected to hide.

Show/hide the structure line

Function:

Select the icon, to show the structure line, otherwise to the hidden structure line.

Operation:

Click the icon to show the icon sag structure line; Click again, the icon is raised to the hidden structure line.

Show/hide the pattern

Function:

Select the icon to display the pattern, otherwise as hidden pattern.

Operation:

Click on the icon, the icon sag to show the pattern; Click again, ICONS bump as hidden pattern.

Only show a pattern

Function:

1. Select the icon, the workspace is only one pattern and displayed in full screen mode, namely the pattern is locked. Didn't the icon to select it, then work can also can display multiple pattern;

2. The pattern is locked, only operate on the pattern, which eliminates interference, also can prevent wrong operation of other patterns.

Operation:

A. the selected pattern, and then click on the icon, the icon sag, the pattern is locked;

B. other pattern in the list box click patterns can lock the new pattern;

C. Click on the icon, the icon projection can be unlocked.

Pack up pattern in the work place

Function:

Pack up pattern will be selected from the workspace.

Operation:

1. Use selected pattern need fold pattern;

2. Click on the icon and select the pattern was raised.

The pattern according to the material types classified according to the

pattern

Function:

According to the material name/material number/short fabric placed the pattern the pattern of the window in the workspace, easy to check the pattern.

Operation:

1. Use the mouse to click on the icon, the pop-up【the dialog by fabric type display pattern】;
2. Choose need to put in the fabric name of work area, click sure to select fabrics can be put into the workspace.

Dialog box shows of【 by fabric type according to the pattern 】:

Fabric: according to the selected fabric of the pattern is placed on the workspace;

Fabric number: according to the selected number of material into the pattern is placed on the workspace;

Empty cloth: refers to no fabric patterns of name and number of 0.

Put the clock

Function:

For a single or multiple points used when grading function table.

Operation:

1.Click on the shape menu editor - shape, set up the model and color of each code.

2. Click the icon , the pop-up point put the meter;

3. With to click or box to choose grading point, dx, dy column activation;

4. Can any one in except codons code entered in grading;

5. Then click (X), equal (Y) or equal (XY) such as grading button, can complete the grading of this point.

Grading techniques (blind to lose) :

1. If the X direction, Y direction all need grading, use select the pattern control point tool left key box to choose one or more of the grading, the differential gear directly use the keyboard to knock the X direction, press enter before knocking at the Y direction put code amount and press enter again, the selected grading point can be put yard;

2. If you only need to code on the X direction and to use select pattern control point tool left key box to choose one or more of the grading point, after the first input X again after input file delta and press enter, the selected set point can be put yard;

3. If you only need to code on the Y direction, use select the pattern control point tool left key box to choose one or more of the grading, type Y and then press enter after input file delta, the selected set point can be put yard.

The point put code table input put code, directly to equidistant grading and press enter.

【Parameter points put clock 】description:

Shape column is the name of the shape, the shape in front of the name for each non base code, to show the frame to play), to hide not dozen). Of shape in front of the name is bound to codons, circle a little codons for the display status, there is no point in the circle of the codons for hidden state. If the shape is a single set of data can only be in the codons input, such as fruit shape in the group, the data can be input in the non codons group codons.

Replication put code amount

Function:

Used to copy has been put code of points (can be a point or a set of points) of the code value.

Operation:

1.In choosing the pattern control points, click or box to choose or drag has pass code of points, points put code table show that immediately put code value;

2. Click the button, put the code value is temporary storage (for paste).

Paste the XY grading

Function:

Put on the direction of X and Y the two paste code values in the specified code point.

Operation:

1. In the command copy put 【code amount 】 finished, click or box to choose or drag to grading point;

2. Click the button, you can paste the XY grading.

Paste the X

Function:

Put a horizontal point code value pasted into the selected point on the horizontal direction.

Operation:

1. In the command【copy put code amount 】 finished, click or box to choose a size to put point;

2. Click the button, you can paste X amount of grading.

Paste the Y

Function:

Put some point vertical code value paste on the vertical direction of the selected.

Operation:

1. In the command【copy put code amount 】finished, click the point or box to choose to put a code;

2. Click the button, you can paste the Y put yard.

Take the X

Function:

Make code value in a horizontal direction on the reverse, in other words, is a point of grading value level of value by + X into X, or by converting - X + X.

Operation:

The selected grading point, click on the button.

Take the Y

Function:

The grading value in vertical direction on the reverse, in other words, is a point of grading value orientation by + Y Y of convert - Y, or by converting - Y + Y.

Operation:

The selected grading point, click on the button.

XY invert

Function:

The grading value in the horizontal and vertical directions are reversed, in other words, is a point of grading the X and Y orientation of value have become - X and Y, on the other hand can also be used.

Operation:

The selected grading point, click on the button.

Depending on the type of gear differential display name of the shape

display mode

Function:

Not checked the button, the shape in the table below shows the shape of name and shape specifications identical shape. Select the button, for example, there are (codons) S, M, L, XL, XXL five shape, select the poor relative file at the same time, shape line in the table below shows the shape and the neighboring shape (excluding codons), such as S - M, M, L, M, XL - L, XXL - XL; If the selected file is poor, absolutely shape line in the table below shows the shape and the codons, such as S - M, M, L, M, XL - M, XXL - M; If checked, since the childhood, shape below S - M, M - L, L, XL, XL, XXL, XXL.

Figure 1

Figure 2

Listed above one, the display mode between the previous code and a code after the file is poor, last put code amount is not allowed to modify the code. When press the button.Above two, the system will indicate which two shape is to do bad calculated delta.

When choosing this kind of gear differential mode, the system ignore whether to press the "auto judge put code amount plus or minus", if dx < 0, said along the horizontal direction to the left, and to the right; If dy < 0, said downward along the vertical direction, and upward. If the current grading for Angle, depending on the show in the screen coordinate axis to determine the dx, dy direction. These three only shows in different ways, grading effect is the same.

All groups

Function:

Applied to the group. Equal grading, if you do not select the button, grading instruction applies only to this group. If the button to select it, in any one group in grading input amount, reoccupy grading instruction, all the group put yard, which greatly improve the working efficiency.

Codons group

Function:

Used in group situations. Elected in the middle of the button, point to put under the shape only computer display codons group. The selected state, the codons within the group and group it all

code display.

Angle put yard

Function:

In the grading, the axis of a workspace can be freely defined, the randomness is control by 【perspective】command, the arrow direction is defined as the positive direction of axis, the short side for the x direction, long side of the y direction. Below the selected is after the tangent direction.

After the tangent direction

Operation:

1. Click on the 【point put table】in the dialog box button;

2. Click the button, the pop-up menu, click the choose the content, and set the Angle coordinate axis;

【Before the tangent 】: Selected grading point on the front of tangent for coordinates X axis ;

【 After the tangent 】: Selected grading point in the lines tangent to the coordinates of the X axis ;

【90 degrees clockwise】: the current grading point coordinate axis of 90 degrees clockwise ;

【 the 90 degrees counterclockwise】: the current grading point coordinates of the 90 degrees counterclockwise ;

The previous grading point

Function:

Used to select the previous code points.

Note:

Pattern on the sidelines of the grading point according to clockwise to distinguish between before and after, is located in the front of the former one grading point, for after a grading point behind.

Operation:

1. The selected click to select a grading point;

2. Click the icon, that is, to select the current grading point before a grading of points.

After a grading point

Operation:

1. The selected click to select a grading point;

2. Click the icon, that is, to select the current grading points after a grading.

X is equal to

Function: the command to be able to make the selected grading point on the X direction (horizontal) equal grading.

Operation:

1. The selected grading point, the point put clock 】 dialog text box activation;
2. Put in the text box input code file is poor;
3. Click on the button

Y equal

Function:

This command allows the selected grading point in the Y direction (vertical) on equal grading, the above operations .

X, Y equal

Function:

This command can make the grading of selected points in the X and Y (i.e., horizontal and vertical direction) two direction equal grading, the above operations.

X is not equidistant

Function:

This command allows the selected grading point on the X direction (horizontal) grading of each

code is equidistant grading.

Operation:

1. Click on a grading point【point put clock】dialog text box show bright, show that effective;
2. The clock is put in point the text frame's dX column, according to different shape, enter the amount of different grading gear differential numerical, click on the order.

Y not equidistant

Function:

This command allows the selected grading point in the Y direction (vertical) on all the yards range of grading grading. The above operation.

X, Y not equidistant grading

Function:

The command to put all input to point clock code value can code with equal or not

Operation: 1. Click to put the code of point, in the text box【Some put the meter】enter the appropriate code value;

Note: the data of how many boxes, as many data as the input, unless the code value is zero.

2. Click the button.

X is equal to zero

Function

This command can be selected code points in a horizontal direction (X direction) on the grading value to zero.

Operation:

Selected grading point, click the icon to go

Y is equal to zero

Function:

This command can be selected the grading of point (i.e., Y direction) in the vertical direction of grading value to zero, the above operations.

Automatic judgment put code amount plus or minus

Function:

The icon to select it, no matter positive or negative, grading input is used for grading command after the computer will automatically determine the positive and negative.

Display method

Function:

Grading is used to control the amount of display, you can choose a relatively poor profile according to their needs, absolute and differential gear from small to large.

Use the table can use the way of grading input line

Operation:

1. Click on the shape menu editor - shape, set up the model and color of each code;
2. Click the icon, Pop line grade table;
3. Enter the appropriate grading line pattern;
4. Select the grading line tool to select the grading line, enter the appropriate amount of grading, click "Apply", "grading" button.

Skill:

Select grading line tool with a marquee or more grading line grading line, left-click on any blank space or press "Esc" key, you can deselect the current selected grading line.

[Line Grade Table] Parameter Description:

Copy

Function:

Grading lines for copying grading amount

Operating:

1.In choosing to put code line tool, click or box to choose have put code amount grading line, line feed immediately in the computer display code value;

2. Click the button, put the code value is temporary storage (for paste).

Paste put code amount

Function:

Paste grading value in the specified line.

Operation:

After finish command of【replication put code amount】, with choice put yard line tools click or box to choose no put code amount grading line;

2. Click the button, then paste the grading.

Q1, q2, q3 data are equal

Function:

Select the button in q1 and q2, q3 any Chinese input amount of grading, q1, q2, q3 three sets of data will automatically be equal. Not checked the button, q1, q2, q3 can enter different grading.

The workspace all put yard line

Function:

Select the button, to any a grading line losing amount of grading, the workspace all grading line will enter the same grading. Or just give the selected grading line input code.

All code

Function:

Select the button, input in one of the codons grading, other code automatically all code. Not checked the button, the amount of code can enter different grading.

All groups

Function:

Applied to the group. Equal grading, if you do not select the button, grading instruction applies only to this group. If the button to select it, in any one group in grading input amount, reoccupy grading instruction, all the group put yard, which greatly improve the working efficiency.

All the pattern grading to the workspace

Function:

Select the button, click on the "code", all the workspace pattern grading. Otherwise, only the selected pattern grading.

Show/hide code line

Function:

Select the button shows grading, otherwise you will hide code line.

Remove grading line

Function:

Delete code line.

Operation:

Click on the button, click "yes" in the pop-up dialog, grading line is removed.

Line grading options

Function:

Whether he code is used to set the pattern of all kinds of primitives.

Operation:

Clicking this button, in the pop-up dialog box, click the checkbox, figure before the yuan to make it play to cancel followed when grading grading, otherwise don't participate in grading.

Grading line input level

Function:

For horizontal grading pattern on the input line.

Operation:

Outside the pattern with the tools click left key, drag over the pattern and then click the left key click right after. The diagram below, it can be put on single pattern input code line, also can lose grading line on multiple pattern, also can add node in the middle.

Vertical grading line input

Function:

Used for grading input a vertical line in the pattern.

Operation:

Input method with grading line input level.

Any direction line

Function:

Enter any diagonal direction for the pattern grading line.

Operation:

Input methods with input level grading line.

Select lines

Function:

Used to put code in a horizontal line, perpendicular put code lines, arbitrary code input amount grading in line.

Operation:

Click with the tool to put yard line, on-line grading grading the amount entered in the table, click "Apply", "OK", you can.

Middle point

Function:

For entering the intermediate point grading

Operation:

In the middle of the grading line input intermediate grading points.

Base point

Function:

Used to set the grading basis points, thus decided to pieces put yard development direction.

Operation:

1. Select the tool, move the cursor position in the selected pattern, click;
2. Press the [line grading table], [grading] button.

Relative/Absolute value

Operation:

The same as the point in your chart.

Line grading command specific actions:

In women's clothing, for example, length = 2 CM, chest gear differential = 4 CM, poor shoulder breadth file = 1.2 CM, neck width difference = 0.4 CM.

1. Click the line chart, select the vertical grading line, input code line 6， respectively as shown;

2. The selected level grading line, input respectively put yard line 7,8,9;

3. Select the input datum, input datum on each pattern;

4. Select the choice put yard line, select the grading line 1, hold down the SHIFT key to select grading line 6, put the computer S online code input put code amount to 0.2,

Click 【 application 】 button;

5. In the same way, 5-tetrafluorobenzoic selected grading line 2 at the same time, and set the computer S online code input put code amount to 0.4, click on the "application" button;

6. Also, the selected grading line 7, 8, input amount of grading in S size - 0.5, click on the "application" button, the selected grading line 9 in S code input code Quantity - 1.2;

7. The last click the line feed of the clock code, grading effect diagram below.

(Vertical) Grading Line 1: Push back neck width, enter the amount of grading 0.2cm;

(Vertical) Grading Line 2: Push Shoulder, enter the amount of grading 0.4cm;
(vertical) grading line 3: push sleeve cage, wide grading input quantity 0.4 cm;
(vertical) grading line 4: push sleeve cage, wide grading input quantity 0.4 cm;
(vertical) grading line 5: shoulder width, input amount of grading 0.4 cm;
The legislature (vertical) grading line 6: neck width, input amount of grading 0.2 cm;
(horizontal) grading line 7: push deep, sleeve cage grading input quantity 0.5 cm;
(horizontal) grading line 8: sleeve cage to waist section, input amount of grading 0.5 cm;
(horizontal) grading line 9: push waist section to the bottom, input amount of grading 1 cm;
(vertical) grading line 1, 2, 3, put code amount summation = 1 cm (1/4 the differential gear of the bust);
(vertical) grading line 4 and 6, put code amount summation = 1 cm (1/4 the differential gear of the bust);
(vertical) grading line 1, 6, put code amount summation = 0.4 CM (get wide file delta);
(vertical) grading line 1,2,5,6 grading sum = 1.2 CM (shoulder breadth file delta);
(horizontal) grading line 7,8,9, put code amount summation = 1 cm (length of the file delta);

Line grading Note:

Start position and end position 1. grading line must be the garment outer contour;
2. In addition to the grading line start and end points, the middle you can have any number of points;
3. Grading lines generally do not need to set q2 point, unless "q1, q2, q3 not equal";
4. Online grading, the grading amount is positive, indicating that stretch the garment (larger than the base code amount and type of grading is positive);
5. Grading amount is negative, indicating contraction clothing pieces (smaller than the base code amount and type of grading is negative);
6. The amount of the same grading grading line can also select the amount of input grading.

Keep shape Grade

Collar nest did not use amorphous grading

Collar nest using amorphous grading

Function:

Like with the tool lets other codes curve the degree of bend of the base code.

Operation:

1. Use the selection tool, select the required type processing line;
2. Click stereotypes grading icon.

Equal height Grade

Not using equal height grade Using equal height grade

Function:

Between two grading grading curve according to the contour of the way.

Operation:

1. Use the select tool, select needs continuous high processing line;

2. Click on the continuous high grading icon to go.

ColourSetup

Function:

Is used to set the pattern list box, working in the Windows and the color of the pattern shape.

Operation:

1. Click on the icon, the pop-up dialog box, [set the color] 】there are three tabs in the box;

2. Click the name of the selected TAB, click the item selected to modify, and choose a color, click on the "application" can change the color of the option, can be the same

When set up multiple options, finally press [sure].

[Setup Colour] Parameter Description:

[Pattern List] Tabs

Pattern background: It refers to the paper list box background color;

Pattern contour: It refers to the color of the garment list box pattern contour;

Pattern Serial No.: It refers to the pattern of the garment in the list box numbers colors.

[Work view] Tabs

Window background: Used to set the color of the workspace;

1 st Mark color : Used to set the step 1 in the process of operation hints of color;

2 nd Mark color: Used to set up in the process of operation, click right after step 2 hints of color;

3th Mark color: Used to set up in the process of operation, click right after step 3 tips color;

4th Mark color: Used to set up in the process of operation, click right after step 4 tips color;Also said point of axes in your chart color;

Measure Prompt Color: When drawing a line, the line length of prompt color;

Remark colour: color refers to all labels;

Not selected Pattern color: unselected finger pattern when the fill color;

Selected Pattern color: Fill Color means when selected pattern;

Fill Pattern color1: Competition walking, fixed pattern of color;

Fill Pattern color2: Competition walking, walking pattern of colors

Scan img color: color scan or other image software displays after import;

Grid color: refers to the color shading grid display.

[Size]Tabs:

Used to modify the shape of the representative colors, click to select a shape, and then click the favorite color, click on the [application].

Parameter Edit

Function:

Used in equal parts line.

Operation:

How much is the number in the box how much will the line segment equal parts into equal parts.

Curve Colour

Function:

Used to set or change the color of the line structure.

Operation:

a. Set line color: click the line color drop-down list, click to select the right colors, then use the line drawing tool to draw the line for the selected line color;

b. Changes the color of the line: click the line color drop-down list, select the desired color, then use the color of the set line type tool online right or right Key box line selection.

Curve type

Function:

Used to set or change the structure of line type.

Operation:

a. Set line type: click the line type drop-down list, select the line, then use the line drawing tool to draw the line for the selected line type;

b. Change the structure of the line has been completed form or linear guides: click the line type drop-down list, select the appropriate line type, then selected the color of the set line type tool , in an online click left key needs to be modified or left key box line selection.

c. Set dotted line spacing: select the line, and then select the type of tool to set the color of the line, the cursor will turn , lose data L - Enter - lose D data - and then Enter, L cursor on, D the output data will go, set up after the left-click or marquee to change the cable.

d. Set the two circular pitch circle radius and method and set the dotted line spacing is the same.

Curve shape of the displa

Function :

For changing the shape of the line.

Operation:

Set the color of the selected line type tool, click the curve shows the shape of the drop-down list to select the required curve shape, then you can set up .Set line width and height, width and height after the first, and press Enter again after wide data input data input high, left-click the line you want to change to.

The output type of auxiliary line

Function:

Set the type of pattern auxiliary line outputs.

Operation:

Set the color of the selected line type tools, output type drop-down list, click to select the auxiliary line needs output, with the left single .Need to change the line to strike, set up the whole knife, one end of the auxiliary line will be full knife symbols. Set up a semi-knife, one end of the auxiliary line will be half knife symbols.

Adaptive stretch

Function:

Select the icon, use smart stroke linear, custom software will automatically adjust the pattern, such as triangle height and between the two designs (triangle).Distance, makes curve with a complete

design (triangles). If you don't have the icon to select it, according to a specified height and distance calculation,At the end of the curve can not draw a complete pattern (triangle) will be abandoned.

Play demo

Function:

Video playback tool operation.

Operation:

Select the icon, and then click any tools, will be broadcast video footage of the tool.

Help

Function:

A shortcut to the tools used to help.

Operation:

Selected the tool, and then click any tools icon, pops out [fu yi design and grading system CAD online help]dialog box, in the dialog box will be told to the function and operation method of the tool.

Section 5 Design toolbar

Modify shortcuts A

Function:

Used to adjust the shape of the curve, check the line length, modify the curve on the number of control points, curve point and the turning point of transformation, changing drilling, eye, pleated properties.

Operation:

a. Adjust the individual control points

1. Use the tool, click on the curve, the line is selected, click the control point on the line, drag it to a satisfactory position, click. When displaying chord line,Then press the keypad number keys to change the strings and other parts, moving control points to adjust the chord line, the cursor on the data length and the setpoint curveThe chord height; (show / hide chord: Ctrl + H);

Adjust the curve control points

Press a number key and adjust the control point position

2. Quantitative control point adjustment: After using this tool to select the line, move the cursor on the control point, hit the Enter key;

After the press enter key After click 'sure'

3.Increase on-line control point, to delete control points on the curve or polyline: Click the curve or line, it is selected, the location is not the pointLeft-click to add a little (or press the Insert key), or move the cursor to the point on the curve, press the Insert key control points can be seen in a little bit,Set right-click to delete (or press the Delete key);

The original line Process Result

4. The state of the selected line, move the cursor to the control points according to the Shift in the curve point and the turning point between switches. In the curve and broken line twist Point, if the cursor click the right mouse button on the turning point, curve and linear intersect automatic smooth, turning point on this if the press Ctrl Key, korah out a line of control, can make smooth curve and linear intersect tangent;

In front of the selected click the Shift key After the selected click the Shift key

Before the right in the selected point After right click on the selected point

Press Ctrl to select point in front After the selected point press Ctrl

5. With this tool, click on the curve line is selected, knock on keypad number keys, can change the number of control points online;

Select the line After knocking the numeric keys 4

b, The adjustment of multiple control points

1. scaled multiple control points

I. shown in Figure 1, the adjustment point C, the point A, point B scaled.

Operation:

1) If the adjustment in the adjustment of the structure of the line, put the cursor on the line, drag the election AC, drag the cursor into a paralle l, shown in Figure 2.

2) Press Shift to switch into a scaled cursor in Figure 3, click and drag point C, the pop-up [scaling] dialog box (if the target point is the key point, directly to the point C can drag the key point. If you need horizontal or vertical or 45 degrees in the direction of adjustment hold down the Shift key);

3) Enter the adjustment, you can click OK.

Figure 1

Figure 2

Figure 3

Figure 4

II, proportional adjustment on the pattern, let the control points, according to operation is similar to the structure line.

Press SHIFT in the horizontal or vertical direction adjusting or 45

2. parallel alignment multiple control points:

Operation: choose need to adjust the point, drag the cursor into a parallel, click one of the drag, the pop-up dialog box,[parallel adjusting] inputThe proper numerical, click ok.

Note: The parallel alignment, scaling the time, if not check the "Options" menu in the "Enabling Point Offset dialog", then the "movement amount" dialog Not pop up...

3.Move the box all control points

Operation: left key box to choose press the return key, will display control points, the dialog input data, the control points are migration;

Note: choose the first box for the selected, box again elected not selected.

Note: If the selected pattern for the grading, but also (except the base code) for a single code marquee adjust only be displayed.

4. Only move the selected line

Operation: press the return key to select right box, input data, click ok;

Right after marquee　　Migration results

Note: if the selected for grading pattern, also can be adjusted to display only a single code box to choose (except codons).

c.Check the length of the line

Move the cursor in the online, it can show the length of the line.

d. modify drilling (eye position or province fold) and the number of property

With the tool in the borehole (eye position or province fold) on left-click, adjust the position of the drilling (eye position or province fold) in. Right-click pop-up drilling (eye position or province fold) in the Properties dialog box, modify the parameters.

Move and rotate adjust Shortcuts N

Function:

The line moved rotational adjustment, commonly used in the adjustment sleeve cage, hem, provincial, around the neck and shoulder point stitching at the other locations before and after the adjustment. Suitable pattern, structure lines.

Operation

1. Figure 1, click on the left mouse button and then click or marquee to circle along a curve handle, b, c, d, right click;
2. Figure 1, and then turn click or marquee curve connecting line 1 line 2 line 3 line 4 line 5 line 6, right-click, pop-up dialog box;
3. FIG. 2, the clamp ring to fight together, with the left to adjust the control points on the curve. If you press the Shift key to adjust the common point, the point in horizontal and vertical direction To the mobile, Figure 3;
4. After adjustment satisfaction, right click.

[Combine Adjust] Parameter Description:

[Select rotate Group]Shown in Figure 1, before and after the wave is at the same side, then check this option and then choose the line, the line will automatically flip, shown in Figure 2;

Figure 1 Figure 2

[Keep form Manually] If selected, you can freely adjust the line;

[Auto smooth] If selected, the software will automatically generate a post-strip smooth curve, without adjustment.

Symmetry adjust **ShortcutsM**

Function:

Pattern or structure of the line after the symmetrical adjustment, commonly used in the adjustment of the collar.

Operation:

1. Click or marquee symmetry axis (or ending point, click symmetry axis);
2. Or click the marquee and then adjust the line of symmetry, hit right;
3. Click the tool to adjust the line, and then click point on the line, and drag it to the appropriate location and click;
4. After adjusting the desired segment, right end strike

Before adjustment Adjustment After the adjustment

Operating instructions in step 3:

Adjustment in the process, in a little bit adjustment drag the mouse to (such as point B), the cursor on the points according to DELETE to DELETE this point (pattern on two lines

Point not deleted), the cursor on the point (such as point B C) press the Shift key, to

change the type of point, at no point location click to increase the point; In the structure lineOn the adjustment, press the Shift key is switch adjustment in the blanks with replication. Don't let go hold down the Shift key, connect the two line point (point A) adjustment,"Modify" along the road.

Note :

After entering symmetrical adjustment, use Ctrl + H to switch whether to display chord.

adjust with dart or pleat merged

Function:

The province, pleated pattern on the combined adjustments. Only applies to pattern.

Operation:

1. Fig. 1, with the tool Click the provinces and 1, 2 hit right after the province of Figure 2;
2. Click on the centerline, shown in Figure 3, the tool used to adjust the waist province after the merger, after satisfaction right click.

Figure1

Figure2

Figure3

Hint:

1. If the structure of the provincial fold lines do form pattern, with the front of the tool need to use "pattern toolbar" in the corresponding province or pleated tool made pleated element.
2. The tool defaults to adjust pleat fold, taken together, press Shift to switch to merge the pleat.

adjust with dart or pleat merged

Function :

Remove or change the pleat the size of the province, and can change the designated edges, as shown in Figure 1 to 2.

Figure1

Figure 2

Operation : (as shown)

1. The tool first click immobile point (hip point A);
2. Click pleat wide point B;

3. If you want to get rid of the pleat, and then click the width point C to another pleat;
4. If you just change the size of the pleat, to move the cursor and click on an empty spot on, the pop-up dialog box Merge pleat;

5. Enter the new pleat wide, and click OK.

Fix Length

Function:

In the curve length remains unchanged, adjust its shape. Structural lines, pattern can be operated.

Opration

1. Click on the tool curve, the curve has been selected;
2. Drag the control points to a satisfactory position click.

Curve adjust

Function :

The cursor can check or adjust the length of the last two points of the curve, two points straightness to be endpoints offset adjustment, the cursor can be freely adjusted too end point of a line to the target position. Suitable pattern, structure lines.

Operation::

And two cursor with SHIFT switch shortcuts cursor is Shift + S

1. The following icon, cursor too, with the tool or marquee tap a line, line adjustment dialog box pops up;

2. Select the adjustment item, enter the appropriate value, can be determined adjustment.

3. The cursor , marquee or tap line, one end of the line can move freely (target point must be visible dots), as shown below.

The original image In the operation The results

Mobile Point:

In the case of marquee line or tap line from the marquee end point or click closer to amend points (with bright star display). If the two lines on the adjustment of a pattern, drag the first end of the election two segments, the first point to modify the selected point (with bright star display).

[Curve Adjust] Parameter Description

Select [Curve Adjustment], left the table shows the length / decrease volume, you can enter the new length or decrease the amount of this;
When checking the difference [file], the increase or decrease in the amount of the difference is displayed as files, ways to gear differential input;

Bright star point along the horizontal direction; bright star point moves in a vertical direction;

Moving bright star point in the direction of two wiring; ends of the dotted line does not move, curve length changes;
Select [direct adjustment], left the table that is displayed in the distance / reduction amount, you can enter a new straightness or decrease the amount of this;
When checking the difference [file], the increase or decrease in the amount of the difference is displayed as files, ways to gear differential input;

Bright star point along the horizontal direction; bright star point moves in a vertical direction;

Moving bright star point in the direction of two wires; the two connection points along the direction of movement at the same time;
Select [offset adjustment endpoint]
[Each code is equal to] :Enter any number type DX in the data, and then click the button,DX and type of data all equal;
Enter any number type data DY, then click the button, DY data of all shapes are equal;
[All code] The input data in adjacent two shape, click the button again, all equal shape of display data;
Copy Click to copy the current value;

Paste Length After copying the values of each code section of the line, optionally in another section of the line and then click Paste, to the value (or difference file length or distance) in the previous paragraph is attached to this section of the line.

Inteligent pen **ShortcutsM**

Function:

Used to draw lines, rectangles, adjustment, adjust the length of the line, even the Angle, and province mountain, delete, one-way, two-way pull over the side, move (copy) of point, line, turn province, cut (connection), provincial, disjoint equidistant lines, intersection equidistant lines, compasses, triangle, offset point (line), horizontal vertical line, a combination of a variety of functions such as offset.

Operation:

A. Click on the left

1. Click left key into the line drawing tool 】

(1) In the space below or key point or node or line click, draw a line into operation;

(2) The cursor to the point or node, offset press enter to that point, into the line drawing class operation;

(3) After the first point is, right-click switch t-square (horizontal/vertical line / 45 degrees), any straight line. With the Shift switch line and curve;

Horizontal/vertical / 45 degree line state Draw any straight line and curve state Painting dogleg state

2. Press the Shift key and click the mouse button to enter the [Rectangle] tool (commonly used to draw a rectangle starting from the visible point of the case)

B. Click Right

1. Right-click into the[online adjustment] tool

2. Press the Shift key, right-click into the online [adjust line length]. Online in the middle of the strike right at both ends of the same, long adjustment curve Degrees. If the strike right at the end of the online adjust the line length in the end.

Right in the middle part of the line of attack Right-click end online

C. Left marquee

1. If left key framed right-click after two lines for the Angle of connection ;

The mouse is shown in right After connection of two lines

2. If the left-marquee four line, right-click Hill] was [plus pleat];

Note: right-flank attack that pleat, pleat to whom the bottom side down.

Select the four lines Right click in the top left of the pleat Right click on the right side of the province

3. If left key box to choose one or more lines, then press the Delete key to Delete the selected line;

4. If left key box to choose one or more lines, then click left key, in the other line into the function, pull over to line side Strike right, for the [one-way side]. If clicking left key, in the other two line as a "two-way pull over";

Is not a one-way pull over two lines　　Pull over after two lines

Yet two-way pull over two lines　　Pull over after two lines

5. Left-click on the blanks box into the rectangle tool;

6.Press the Shift key, if left key box selected after one or more lines, right-click for mobile, replication, use the Shift key to switch to copy or move, hold down the Ctrl key to any direction to move or copy;

7.Press the Shift key, if left key box selected after one or more lines, click left key line is turn into the province function;

Four: Right-click box to choose

1.Right-click box to choose a line into the cutting line function;

2.Press the Shift key, Choose the right box marquee line into the save function;

Five: Left drag

1.In the blank , with the left key drag into the rectangular function;

2.Left drag line into disjoint equidistant line function;

3.Press the left key drag on key point to a line let go into single compass;

4.Press the left key drag on key point to another point let go into the pair of compasses;

5.Press the Shift key, left key to drag the line intersecting equidistant line, then click on either side of the intersection, respectively;

After tow waist line　　Then click on the two intersecting lines

6.Press the Shift Key，left drag to select two points into the triangle，then click on anoth -er point，Press and Drag ，do the selected lines parallel Line or vertical line；

Artwork master　　Parallel to the direction　　To the vertical di rection

Six：Right drag

1.On the key points，right drag into horizontal vertical line（The direction of the swit ch）；

2.Press the Shift key，press the Shift key，right drag point into the offset point/offset line（With the right switch point/line）；

Seven：Enter：take the offset point

Rectangular　　**Shortcut key S**

Function：

Used for rectangular structure line、rectangular guides in the pattern.

Operation：

1.Use the tool in the work space space below or click left key on the key point，W hen the cursor is displayed X, Y，When the cursor is displayed X, Y（Use the enter long and input wide，finally return to determine）；

2.Or drag the mouse，once again, click left key，Pop-up rectangular dialog box，In the dialog box enter the appropriate values，click on the [sure]；

3.Use the tool on the pattern of the rectangle，for the pattern of the auxiliary line；

The attention：
1.If the beginning or end of the rectangular intersecting with a line，there are two kinds of differe nt situations，the first to fall on the key points，there can be no pop-up dialog box，its Secondly, to fall on a line，the position of the point" dialog box will pop up，input data，sure you can.
2.Start or end point falls on the key points，can press ENTER to that point.

Circular bead

Function： In the unparallel two line，do isometric or not equidistant rounded corners。Us ed to make a suit before the bottom of the picture，the rounded pocket。Suitable for the pattern、structure line.

Operation：

1.Click or, each in the tool box to choose to do rounded corner of two lines，line 1, l ine 2 as shown；

2.Move the cursor on the online，Now press the SHIFT key to switch between rounde d the curve with arc rounded corners,right-click the cursor can be in, and handover (Reserved for corner cut, to cut Angle to delete);

3.Then click the pop-up dialog,enter the appropriate data,Click ok to.

3-point arc

Function：

After three can draw a circular arc line or draw three circles.Suitable for painting li ne structure,the pattern guides.

Operation：

1.According to the Shift key in round three, with the three-point arc switch be tween;

2.Switch to After the cursor ,Click three points respectively can make a round thr ee;

3.Switch to After the cursor ,Click three points respectively can make a curve.

CR Arc

Function: Draw arc, circle. Suitable for painting line structure、the pattern guides.

Operation:

1.According to the Shift key in CR round and CR arc Inter-MSC .

2.The cursor to when,at any point click centering,drag the mouse to click again,ra dius o f the pop-up dialog box.

3.Enter the appropriate radius of the circle,click on the [sure].

Record: CR arc and CR round operation.

The ellipse

Function: In the sketch or draw ellipses on the pattern

Operation:

1.Use the tool in the work space click click again drag,the pop-up dialog;

2.Enter the appropriate values,Click sure.

Angle lines

Function: Arbitrary angle,a line (off-line)a little vertical、tangent line（parallel lines）.stru cture line、the pattern on operational all.

Operation:

A. In a straight line or curve Angle known

1. The following chart,point C is a point on the line AB.Click the first line AB,then c lick the point C,at this time appear two perpendicular reference line,according to the Shift key,two reference line switch between figure 1 and figure 2.

Figure 1

Figure 2

2. In the last two figure under any circumstance,right click switch Angle start edge,Figu re 1 below is switching figure.

3. In the case of required click left key, pop up Message Box.

4. The length of the input line and Angle, click sure to.

B. Vertical online a little or a little outside the lines

1. The following chart,click on the first line,then click the point A,at this time appear two perpendicular reference line, according to the Shift key,switch the reference line and line selection coincidence.

Figure 3

Figure 4

Figure 5

Figure 6

2. Move the cursor to make it a reference line perpendicular to the line selection by c lose,the cursor will automatically adsorption on the reference line,click the pop-up dialog.

3.Enter the length of the vertical, click sure.

C. A line a little outside of the line tangent or crossed the line a little for the line p arallel lines

1.The following chart,click on the line, and then click the point A,at this time appear t wo perpendicular reference line,according to the Shift key,switch the reference line and lin e selection parallel.

Figure 7

Figure 8

2. Move the cursor to make it close to parallel to the line selection of the reference line,the cursor will automatically adsorption on the reference line,click,Message Box .

3. Input parallel lines or the length of the tangent, click sure.

【Angle】 Parameters

【**Length** 】 refers to the length of a line

Refers to the point of view

【**In the opposite direction Angle**】 After the check In the Angle of 360 and the differe nce between the original Angle .

Point to the tangent circle or two circle between

Function:

Point to the circle or tangent between two round,can operate on the structure line also can be operated in the pattern of the auxiliary line.

Operation:

1.Click the point or round.

2.Click another round,to make a point to rounded or tangent line between the two circ les.

Equal parts gauge Shortcuts D

Function: Online on equal points, online reverse equidistant points,on the structure line or which operational pattern.

Operation:

1.Use the Shift key switch add two equidistant cursor on online and equal parts line cursor (Right click to switch solid for arch bridge, Equal parts);

2.Online reverse equidistant points: Click the key line,along the moving the mouse to click again,in the pop-up dialog box input data,sure you can;

3.Equal parts line segment: Input in the fast toolbar number such as attachments,with the left key click online.If the local line equal points or equal parts The arch,click on the line after an endpoint, and then click the online,click on the other side again can.

Add into equal parts

Plus for equal parts of arch bridge

Skill: If the number is less than 10, such as direct tap on a keypad is numeric keys such as attachments.

Spot Shortcut keys P

Function: In the online orientation overtime or blank space with a little.Suitable for the pattern, structure line.

Operation:

1.Use this tool to add some online click, near the end there will be a bright star,and the pop-up dialog box. The location of the point.

2.The input data, determine the can.

Attention:

In individual cases, the bright star will not appear in the position you want,the diagram below from point A 2 cm position plus a point between the line AB. The selected The tool to move the cursor in the target position A,click and drag the mouse to another location B let go,the selected online click again, can determine its location and position.

Compasses Shortcuts C

Function:

Single compasses: Made from the key point to a line of fixed-length straight line. Used to draw the shoulder slash, clamp sleeve slash is Shoulder slash、Clamp straight、Pants lower back、Sleeve slash etc.

Double compasses：With a specified points,at the same time to make two lines of a specified length. Used to draw Sleeve slash、 Suit barge head etc. The pattern, structure online can be operation.

Operation：

1. Single compasses：After the shoulder slope as an example,with the tool, click the neck width point, release the mouse, single shot down the shoulder line again. Pop-up dialog box single compass, enter the length of the shoulder seams, press [sure].

2.Double compasses：(Before and after the bicep must, according to the sleeve curve sleeve point is set),click the two endpoints bicep respectively point A and point B,pull to one side of the line Dialog box and click the pop-up(double compasses),the value of 1 and 2 while input,click [sure], sleeve point is found.

Skill：Dual compass deviation function, as the jeans back pocket,the diagram below to select A, B two points,then move the mouse at point C on the keyboard Enter key,in the play The "offset" dialog box enter the appropriate values,Click sure, make the line AC and BC ' .

Shearing wire **Shortcut keys SHIFT + C**

Function：

Is used to disconnect a line from the specified location, into two lines,also can be used at the same time more than a line break line. Or put more into a line segment. can On the structure line can also be on the pattern of auxiliary line operation.

Operation:

Shearing bolt The cursor with the connection The cursor,use the Shift key to switch between the two.

Cut a single line

1.Use the tool on the need to cut the line click, line color,then click on the non-critical, pop-up dialog box. The location of the point.

2.Enter the appropriate values, click sure.

If the selected point is the key point(Such as equal points or two line intersection existing point or line)Directly click in the position, not the pop-up dialog, directly Disconnect from that point.

More than shearing line operation:

Below f with lines cut wire a, b, c and d, box line selection with shearing bolt tools click a, b, c, d after the strike right, then click the line f.

Connect function:

Select the tool the cursor with the SHIFT key switch to the connection The cursor, box select or click the line needs to connect respectively, click right can.

Relationship/no relationship

Function :

Endpoint intersection line with adjustment tool, used the associated two endpoints will adjust together, not two endpoints used is not associated with adjustment.In the line structure, the pattern auxiliary line operation. Endpoint intersecting line by default.

Operation:

Associated with the cursor Not associated with the cursor,use the Shift key to switch between the two.

A. with Associated tool box or click on the two line segments,can be related to the end of the two lines intersect.

Artwork master

Association, after adjusting to the end of a line, another line of the endpoint is moving at the same time

B. With not associated tool box to choose or click on the two line segments, can not rela ted to the end of the two lines intersect.

Artwork master

No association, after adjusting to the end of a line, An other line of endpoint will not move at the same time

Eraser Shortcut keys E

Function: Used to delete the chart on the dot, line, auxiliary line in the pattern, cutting, drilling, provincial fold and stitch line, sewing thread, grading, datum line (code) Etc.

Operation:

1.Use the tool directly in the line of point, click, can

2.If you want to erase the together of point, line, left key box can be chosen.

Collect province

Function: On the structure line inserted into the dart, and can generate backward arrow. Only applies to the structure of the online operations.

Operation: The following chart

1.With the edge of the tool, in turn, click accept province, provincial lines, pop-up pro vince wide dialog;

2.In the dialog, enter the province, as shown in figure 1;

3.After click "sure", move the mouse, clicking left key, in the side of the province to as shown in figure 2;

4.Tuned province with a left-click the bottom line, and finally hit right click finish, as shown in figure 3;

Figure 1

Figure 2

Figure 3

Added province mountain

Function:

To add province mountain on the provincial highway. It is suitable for online operations in structure.

Operation:

1.Use the tool, single down to the side of the curve or straight line in turn(Diagram below province backward side hem, click 1 first, and then click 2);

2.in turn, click again on the other side of the curve or straight line(Such as graphic click the first 3, then click on the 4),mountain province can catch up on.

If two provinces are forward line down, then can, in turn, click on the 4, 3, 2, 1, d, c, b, a.

Insert province plait

Function: On the selected line to insert the province plait, pattern, structure line operation. Often used to make bubble-bubble sleeve, three-dimensional pockets, etc.

Have a line operation:

1.With the tool box to choose insert province thread, right,(If insert province only a line, also can click);

2.Box or fold line or click the province, right, popping(Specify the line of the province)dialog box;

3.Measure or folds in the dialog input province, choose the required treatment, sure can;

Original drawing Unfolds the figure

No line operation:

1.Box choose insert province line, click right twice a day,pop-up specified period of the province of dialog;

(If insert only one province line, also can click the shift to right,pop-up specified period of the province of dialog);

2.In the dialog input province measure or fold, fold length, etc., choose the required processing mode, sure can;

Turn the province

Function:

Transfer line is used to structure the province. Can turn concentric province, also can be turned in different heart, all can transfer can also be part of the transfer. Can also be equal to turn, Province after the new dart can be in the original position can also not in the original position. Suitable for in line structure of the province.

Operation:

1.Box to choose all the transfer line;

2.Click the new province line (line, if there are multiple new province can be chose n box)

3.Click the start edge a line merging province, or click the rotation center of the cir cle turn as the provincial key;

4.

a.The other side of the turn all provinces: click merge province (with the left key click on t he other side, after provincial governor of two equal, if use right-click on t he other side, The new dart position will not change);

b.Turn part provinces: hold down Ctrl and click merge on the other side of the pro vince (wit h the left key click on the other side, after provincial governor of two equal, i f use right-click menu Strike on the other side, the new dart position will not change);

c.Equal to province: the input number is the equal province, then hit the other side of the merger province, (with the left key click on the other side, after provincial govern or of two equal, such as Fruit with a right-click on the other side, do not modify the dar t position).

Save all transfer

Partial transfer

Different heart province

Equal to province (uniform line AB into separate a line)

A province transfer in multiple locations

Now with graphic province amount transfer all the steps of:

Step1(boxline operation ,operating line to become red)

Step 2 (click on the new province line,New province line to blue, k)

Step 3 (Click the start edge merging province, the green line)

Step 4 (click on the other side of the merger province)

Result

Fold unfold

Function: In the fold structure line,at the same time joined the identification of the fold and fold the bottom fixed quantity. Only applies to the structure line operation.

Operation:

1.Click with the tool / Box to choose operating line,right click the end.

2.Click on the section of line, if there are multiple box to choose and right click to end.(Near the fixed side, while operating system will be prompt);

3.Click the next section of the line,if you have multiple box to choose and right click to end(Near the fixed side, while operating system will be prompt);

4.Click/box to choose a line,right click,pop-up knife pleated/h plait dialogue box(Can not to choose a line, need to enter inserted in the dialog The number of into the fold);

5.Input data in the pop-up dialog box, press the "sure" key;

【Knife pleated/h folds】Dialog box shows:

Line fold line number:if there is no choice, can input in the fold line number;

In the upper fold: the first step in the box to choose after all operating line, on the first choice for the fold line;

Under paragraph fold: the first step in the box to choose after all operating line, after the choice for the next period of fold line;

Fold line length: if enter 0, said according to the length of the complete to display; If the length of the input is not equal to zero, according to the length of the given display;

Split/open/Remove the allowance

Function:

Can be unidirectional expanding/remove surplus can also be bilateral or eliminate the allowance;Commonly used for led, flouncing, full-skirted dress, etc.In the pattern, structure line In operational;

Operation:

One-way or eliminate the allowance of the cursor .Two-way or eliminate the allowance of the cursor with the SHIFT to switch;

One-way or remove surplus operation:

1.Use the tool box to choose (or click) all operating line, right-click.

2.Click don't slip line (if there are multiple box after the strike right).

3.Click the telescopic line (if there are multiple box after the strike right).

4.If there is a line, click or box line, right-click fixed side,pop-up one-way or removing allowance dialog box.(If you don't have Have a line, right-click fixed side,pop-up one-way or removing allowance dialog box);

5.Enter the appropriate data, choose the appropriate option, sure can.

If they are operating on the pattern, do not need to operate above the first step.

According to the specified

On average a

On average a

【One-way or allowance】Dialog box shows：As shown above

1.In the expansion amount, enter a positive number for, enter a negative number to r emove the margin;

2.Processing information in the dialog box,

A. Choose "split", input scale, telescopic line after separated but not connected;

B. Choose smooth connection, input, the expansion amount after telescopic line will be smooth;

C. Select con formal connection, input scale, telescopic line from the telescopic position after together;

Two-way open or remove surplus operation with one-way or eliminate the allowance at the same operation;

Flouncing

Function: Do the spiral flouncing. Only for structure line operation;

Operation: Have two kinds

1.In the work area the blanks click left key,in the pop-up flouncing dialog box(Can enter the new data),press "sure".

2.Click the line or box to choose to operate,click right,Pop-up flouncing dialog.There are three generation flouncing, choose one of them Press, sure can(Spiral 3 can change the data);

Compare the length of the Shortcut keys R

Function:

Is used to measure the length of a line, line line addition income chief, more paragraphs of difference, also can measure the length of the cut mouth to point. In the pattern, Compose online operations.

Operation:

Choose the way to select a little (online with a left-click),box to choose (online use left key box),drag to choose (click the line starting point to hold down the mouse, drag Moving to another point) three ways.

A. Measure the length of the section of line or more paragraphs combined.

1.Select the tool, pop-up length comparison dialog box;

2.At length, horizontal and vertical X Y choose the required options;

3.Choose need to measure the line, the length can be shown in the table;

B. More line difference

Diagram below, compare the sleeve difference before and after the arc length and sleev e cage

1.Select the tool, pop-up length comparison dialog box;

2.Select options (length)

3.Click or box sleeve curve strike right, then click or box sleeve cage curves before and after, (L) in the table for capacity;

【Parameters length】: As shown above

1.L: According to statistics (+) and (-) statistics difference;

2.DL(Absolute file is poor): In the said L yards and yards of difference;

3.DDL(Relative file is poor): In the said L yards with the adjacent code difference;

4.(Statistical +): The sum of strike right choice before line length;

5.(Statistics -): Right after the choice of line length sum;

6.

: If the selected line length for the curvature of curve here, if the selected l ine is the length of the line is straight;

7.

: Indicate pitch on line at the ends of the horizontal distance;

8. 垂直Y ：Indicate pitch on the vertical distance at the ends of the line;

9. 清 除：Click to delete the selected table data in a text box;

10. 记 录：Click on the poor can be put at the bottom of the L value recorded in t he "size variable",when the record two lines (including two lines) over the data,will Auto matic pop-up (size variable) dialog box;

Automatic pop【Measurement vare】 table

11. Print Clicking can print current numerical and grade.

Mind:

1. The default of the tool is compare length , Pressing Shift can be switched to measure the distance between two points ;
2. When the edge point and auxiliary line point, use this tool to hold down the Ctrl key when matching auxiliary line, not matching according to the sidelines.

Measuring distance between two points

Function:

For measuring points (Visible point or Non visible poin) distance or point to line distance or horizontal distance or vertical distance, more than two groups distance sum ordifference between two groups. In the operation pattern and structure line can. You can match any shapes in the pattern.

Operation:

a The following chart, measuring the vertical distance from the shoulder to the center line.

After switching to the tool, click the shoulder point and the center line, and the measurement dialog box can display the distance between two points, horizontal distance, vertical distance.

b

The following figure, half chest measurement

1. Switch to the tool;
2. Click A and the center line C

3.Then click B and the center line d, the measurement dialog box to display the distance between two points, horizontal distance, vertical distance.

c The following figure, measure the difference between the front and back waist.

1. Using the tool, click point A, point B, point C, point D, right-click;
2. And then click point E, point F, point G, the front center line, the measurement dialog box to display the distance between two points, horizontal distance, vertical distance.

【**Measurement**】 Parameter Description: as shown above

【 **Distance** 】 : The linear distance difference between the two groups;

【**Horizontal distance**】 :The horizontal distance difference between the two groups;

【 **Vertical distance** 】 : The vertical distance difference between the two groups;

【**Dispersion**】: Check the file of dispersion and the dispersion is displayed on the basis of the code to display the data;

【**Record**】: Click to record the data from the distance in the "Measurement var";

Protractor

Function:

In the operation pattern and structure line can

a Measuring the horizontal angle and vertical angle;

b Measurement of the angle between the two lines;

C Measurement of the angle formed by three points;

D Measuring the horizontal angle and vertical angle of two points

a Operation:

Left click Select or click to measure a line, right-click, pop 【Measure angle】dialog table.The following diagram, measurement of shoulder slash AB angle.

b Operation:

Frame selection or select the two line to be measured, right –click, pop【Measure angle】dialog table, the angle of view is the angle of the right key position area. As shown below, after measuring the amplitude and angle of shoulder slash clamping ring.

c Operation:

As shown below, measuring point A, point B, point C three point formation angle, Click A, then click B, point C, pop 【Measure angle】dialog table.

d Operation:

Press Shift key, Click to measure the two points,then pop【Measure angle】dialog table, As shown in the following measurement point A, point B point of view.

Rotate

Shortcut key Ctrl+B

Function:

Used to rotate or rotate replicate a set of points or lines or words. Applicable to the structure and pattern of auxiliary lines.

Operation:

1. Click or frame selection to rotate the point, line, right click.
2. Click a point, at this point as the pivot point,then click any point as a reference point, drag the mouse to rotate to the target location.

Explain:

The tool defaults to a rotating copy, Copy the cursor is , Rotation and rotate replication with Shift key to switch, Rotating cursor is

Mirror

Shortcut key K

Function:

According to the symmetry (symmetry mobile) copy structure line or pattern.

Operation:

1. Select frist point of axis of symmetry in design lines or pattern.
2. Click or crossing selection to select curves or points,click right button to end.

Explain:

1. The default is a copy of the tool, Copy the cursor is , Rotation and rotate replication with Shift key to switch, Rotating cursor is .
2. The symmetric axis is drawn from the horizontal or vertical line of 45 degrees. Right click to switch to any direction.

Move

Shortcut key G

Function:

1. Move or copy a set of points or lines or button position,click right button.
2. Click any reference point, When you drag to the target location, click.
3. Click any reference point,click right button , the selected line is mirrored in horizontal or vertical direction, as shown below.

Explain:

1. The default is a copy of the tool, Copy the cursor is ,press shift key to exchane move and copy, rotating cursor is .
2. Press Ctrl key, Move in horizontal or vertical direction;
3. Press Enter key when copying or moving, Pop position offset dialog.
4. On line pattern can only copy cannot move,the mobile edge even on mobile function, the original pattern of the line will not be deleted.

Move and rotate

Shortcut key J

Function:

Used to set up a set of lines to another group of Online. Figure 1 below, put back the post - to - to the front.

Operation one:

1. As shown in figure 2, Use this tool to make the cursor near the neck width click back shoulder slash.
2. Then click on the front shoulder slash, the cursor is close to the collar,click the right button.
3. Frame selection or click after the point line to be docked, click right button to end.

Figure 1

Figure 2

Figure 3

Operation two:

1. As shown in Figure 3, Using this tool, click the 1,2,3,4 point in file;
2. To frame selection or click the point line after you need to click ;click right button to end.

Explain:

The tool is the default for the docking replication ,the cursor is , press shift key to exchane docking replication and docking,the docking cursor is .

Forfex

Shortcut key W

Function:

From the line or auxiliary line structure for pickup pattern.

Operation:

Method 1: Use this tool to click or select the line formed pattern, click right button , the system according to the maximum region formation pattern.

Method 2: Hold down the Shift key, use this tool to click the pattern formation region,then there is color fill, can continuously click on multiple regions, click right button to end, as

shown in Figure 2;

Method 3: Using the tool to click a point of the line, Click the profile line in one direction, Until the formation of a closed graph. If you pick up the line becomes green, Right click the right button to select the next line. Finish picking up, as shown in Figure 2;

Click line, frame select line, Shift click regional coloring, The first operation is selected, Re operation to cancel the selection. Three methods of operation are formed in the final pattern right-click, Tools can be a garment piece of auxiliary line tool.

Figure1

Figure2

Figure 3

Mind

Select the forfex,click left button to switch into garment piece to pick up the auxiliary line tool.

Garment assistant line

Function:

From the structure of online pattern pickup internal line.

Operation:

1. Select the fortex tool , right click the cursor to become ;
2. Click the pattern, relative to the structure of the line to be blue;
3. Use this tool to click or frame to select the required line segment, click the right button.
4. If you want to pick up the line outside the boundary line, then click two points on the curve to determine the 3 points.

Prompt:

Under the condition of the tool, hold down the Shift key, right click the pop-up dialog box "pattern information".

Inside border

Function:

Dig a hollow diagram in the pattern. Can be picked up on the structure line, can also be hollowed out in the area of auxiliary line pattern formation.

Contour operation in structure line:

1. Use the tools in the work area pattern right-click the two selected pattern, color pattern of the original structure line.
2. Click or frame to generate a line of inner contour;
3. Right click, as shown in Figure 2;

The auxiliary line forming region hollowed out pattern operation:

1. Click or crossing selection of auxiliary line pattern in the tool ;
2. Finally click the right button to finish.

Figure 1

After crossing select line, Before clicking the right.

Figure 2

After clicking the right button

Set curve color and type

Function:

Used to modify the color of the structure line, type of line, The pattern of the auxiliary line line type and output type.

Explain:

Used to set the thickness and fine line of solid and dotted line; Used to set up various line types; Used to set the pattern of internal line drawing, cutting, half cut.

Operation:

1. Select line setting tool, The right side of the shortcut bar will pop up the color , Line type and cutting drawing frame.
2. Choose the right color, linetype and so on.
3. Set line and cutting state, click the line with the left button or crossing select line witn left button.

4. Set the color of the line, Right click the line or crossing select line with the right button

If the original thin lines into a dotted line of the great wall, Check the tool ,in

Choose the right line,in choose the great well of line. Use the left button click or frame to select the need to modify the line. If the original thin lines to the dotted line, Operate in Choose the right line, Use the left button click or frame to select the need to modify the line.

Setting operation of linear dimension:

1. Only for special type of line, such as wave line, fold line, the line of the great wall.
2. Select one of these lines, the back position and line width of the line is displayed on the cursor, Change the back bit length and line width with the keyboard input data,

First input number is return position, knock enter key, re enter the number reimport is line width,then click enter to determine.

3. On the need to modify the line with the left button or the left button to crossing select the line.

Prompt:

Hold down the Shift key, click or crossing select auxiliary pattern line by using the tool, auxiliary line becomes temporary auxiliary line, temporary auxiliary line can not participate in the drawing,can also be hidden. When the code is placed, the temporary auxiliary line is concealed and the code is more intuitive.

Pic Lib

Function:

One: With【file】the menu of【Save Picture Lib】to Cooperate to create technologic pictures.

Two: Call up and adjust the technologic picture.

Three: Can copy bitmap is used in office software.

Operation:

One: Add (save) process picture

1. Use this tool to click or frame respectively needed to produce the line of process drawing. Right click to see the graphics is a dotted box over

2. Click 【file】--【Save Picture Lib】command;
3. Pop up【Save Picture Lib】dialog box, Choose the path, In the name of the file please input the map, Click 【Save】 to add a process diagram.

Explain:

Use this tool to first click or frame selected line or string is selected, click again or uncheck the box selection for.

Two: Call up and adjust the process picture, there are two cases

A. Call out in the blank:

1. Click on the tool in the blank, Pop up process drawing dialog box.
2. Double click on the required graph, you can call up the graph;
3. Click the left button in the blank to determine, Right - click to pop up [scale] adjustment dialog box.

Explain:

In the opening process drawing, you can modify the file name by clicking the right button in the selected picture.

Process picture adjustment:

Move	When the mouse pointer is placed in a rectangular frame, the pointer changes to the shape of the graph. Click move the mouse to the appropriate location ,then click the left button.
Horizontal tension	When the mouse pointer on the left or right side of the rectangular frame, the pointer changes to the shape of the graph, Click move the mouse to the appropriate location ,then click the left button.
Vertical tension	The method is the same as above.

Rotation	When the mouse pointer is placed on the four sides of the rectangular frame, the pointer changes to the shape of the graph, Click move the mouse to the appropriate location ,then click the left button.
Stretch by scale	When the mouse pointer is placed on the four sides of the rectangular frame, hold down the Ctrl key, the pointer changes to the shape of the graph, Click move the mouse to the appropriate location ,then click the left button.

Proportion of process picture adjustment:

1. Use this tool to frame the whole structure line, right click two times ,Pop up scale dialog box, as shown below.
2. In the dialog frame, enter the ratio to change, Click OK.

B. Call-out in the pattern:

1. Click in the pattern by the tool, pop up process drawing dialog box.
2. Double click on the required graph, you can call up the graph;
3. Before the confirmation,press the Shift key to switch between the components and the auxiliary line.

Explain:

Component is a whole, When adjust, move or rotate,use modify tool. Operation with the above process picture adjustment is the same.

Three: Copy bitmap

Using the tool crossing select the structure line, click right button, activation of copy bitmap command under the edit menu. Paste in WORD, EXCEL, etc.

Text

Function:

Used in the structure diagram or adding text in pattern, moving text, modify, delete text and adjust the direction of the text， and the text content of each code can not be the same.

Operation:

One: Attach text

First operation:

1. Click in the structure or pattern with the tool, pop up [text] dialog box;
2. Enter text, click OK..

Second operation:

Press and hold the left mouse button to determine the angle of the text according to the direction of the line.

Two: Moving text

Click on the text with the tool, text is selected, drag the mouse to the appropriate location, Click again.

Three: Modify or delete text, there are two modes of operation.

1. Move the cursor over the text to be modified, when the text is changed to the right click. Pop up [text] dialog box, modify or delete, Click OK;
2. Move the tool on the text, after the word is shiny, knock Enter key, Pop up [text] dialog box. Select the correct text input the correct information, you can be modified, Press the keyboard DELETE, you can delete the text, press the direction key to move the text position.

Four: Adjust the direction of the text

Move the tool to the modified text, click the left mouse button does not let go, move the mouse to the target direction can be loosely.

Five. Add the different text in different sizes, as in a pattern of S code and M code add “elastic 6cm”,L code XLcode add “elastic 8cm”

Operation:

1. Click on the tools used in pattern, in the pop-up 【Text】dialog box to enter “elastic 6cm”.

2. Click the different code button, In the pop-up 【Different code 】dialog box, the L code, XL code in the text string into the "elastic 8cm ";
3. Click OK, Return【Text】 dialog box, Click OK again.

【Text】Dialog parameter description:

【**String**】:Text used for input.

【**Angle**】:Used to set the angle of the text arrangement.

【**Hight**】: Used to set the size of the text.

【**Font**】: Click then pop-up【Font】dialog box, Which can set the T text font, font style, color (only for the structural line) and the unified change in the style of all T text fonts, height.

【**Different code** 】: Only in different shapes and text is not the same.

Special note: Text location and code operation,use select the control points pattern selected text, put the code in a point.

Section 6 Pattern toolbar

Select grade points

Function:

To select the pattern, select edge points on the pattern, modify point properties,select cutting.

Operation:

1. **Select the pattern:** click on the pattern by using the tool, if want to select multiple pattern, as long as the selection of different patterns of one code point.
2. **Select the pattern on the edge point:**
   - Select single point , with the tool on the code point, click or use the left button to crossing select.
   - Select multiple code points ,using the tool to crossing select or hold down the Ctrl key at the code point on the code point;
   - Select single non coding point, with the tool at the point, click on the left button;
   - Select multiple non coding points, hold down the Ctrl key and click on the non coding point one by one.
   - When the Ctrl key is pressed for the first time, click the button to select, and once again, click cancel.
   - At the same time, cancel the selection, press ESC or click on the tool in the blank.
   - Select a pattern of adjacent points, as shown in the below figures selected the armhole and the tool in A press the left mouse button and drag to B and then let go, figure 2 selected state;

Figure 1

Figure 2

3. **When line the code points of the auxiliary and edge grading points coincide:**
   Click in the coincidence point with the tool, selected for the sidelines;
   Select coincidence point, line grading and auxiliary line point grading are selected;
   Hold down the Shift key and click or crossing select in the coincidence position, the auxiliary line set is selected;
4. **Modify point properties:** In the need to modify at the point of double click, it will pop up 【Control point attr】 dialog box. As shown in the following figure, Modified then can be used . If it is a number of points selected, press enter to the dialog box.

5. **Select the cutting edge:** use the tool to select the cutting tool can be used to code for cutting.

Skill:

1.With this tool, click the right button in point, then the point at the point in the code and the non code points to switch between;

2.If switch between the turn and the point of the curve, you can use the Shift+ right button.

Sew line

Function:

Add stitch line in line pattern, modify the stitch line type, dotted line width.

Operation:

1.Fixed length of stitch line: Click on a point on the edge of the pattern,pop up【Seam stitch】dialog box, select the desired stitch line, input length and stitch line spacing, OK. If the point is seamed trace, it will display the current seam line data in the dialog box, you can modify .

2.In a line or multi segment line add seam line: Use this tool to crossing select or click one or more sections of the sideline after right click in pop-up dialog box, select the desired seam line, the input line spacing, can be determined.

3.Add the same stitch line in the whole pattern: Click the point of the line on the pattern select the desired stitch line in the dialog box,enter 0 in the stitch line. Or use the 2 method, the crossing select all the line after hitting the right key.

4.Add the stitch line of unequal width between two points, use this tool to clockwise to choose a line, namely in the first control point press the left mouse button, drag to the second control point release, pop-up 【seam stitch】dialog box，select the desired seam line, the input line spacing, can be determined. If these two points have been seamed trace, it will display the current seam line data in the dialog box, you can modify .

5.Delete stitch line: Click to use the eraser. You can also select the first type of wireless type in line type and curve type.

【Fixed length of stitch line】Parameter declaration:

A. Represent the first line of the distance away from the sideline, A more than 0 represent stitch line in internal pattern,less than represent stitch line in the external pattern;

B. Represents the distance between second lines and first lines, and calculates the absolute value of the time;

C. Represents the distance between third lines and second lines, and calculates the absolute value of the time;

D. Self intersection line: is the length of the line, Distance between lines and lines.

【Stitch line between two points】Parameter declaration:

【A1】【A2】: A1 more than 0 represent stitch line in internal pattern,less than represent stitch line in the external pattern, A1,A2Represent the first line of the distance away from the sideline.

【B1】【B2】: Represents the distance between second lines and first lines, and calculates the absolute value of the time;

【C1】【C2】:Represents the distance between third lines and second lines, and calculates the absolute value of the time;

These 3 lines are either in the boundary or outside the boundary,in between two points add seam line, can make the starting point and end point away from the sideline is not equal to the trace seam and seam curve traces in the highly uniform, will not stretch.

Quilted stitching

Function:

Add in pattern quilted stitches, modify quilted stitches, modify the dotted line width.

Add quilted stitches operation 1:

1. Use this tool to click the pattern, the pattern edge color, as shown in figure 1;

Figure 1

Figure 2

2. Click the starting point or end point (the point on the line can be, can also be auxiliary line point) of the reference line, pop-up【Quilt】 dialog box .

3. Select the appropriate line type, enter the appropriate value, and can be determined, as shown in Figure 2

Add quilted stitches operation 2:(In the same pattern with different sewing line)

1. Quilted stitches tools in a clockwise direction selected ABCD. This part of the pattern edge color, select the reference line, the pop-up【Quilt】dialog box;
2. Select the appropriate line type and enter the appropriate number and ok;
3. Using the same method selected DCEFG. Select the appropriate line type, enter the appropriate values determined, you can make a quilting lines above the icon.

Modify quilted stitches operation:

Right click on the pattern quilted stitches with the tools, the corresponding parameters of the quilted stitches will pop up dialog box, change can be determined.

Delete quilt stitch operation :

You can use the eraser, can also use the tool in a quilted stitches pattern, select the first wireless

type in linear type and curve.

【Quilted stitching】parameter declaration :

Quilted stitching type: When Cross is selected, the angle is input from the angle of the cross ; Choose the Single, make the quilting lines are parallel;

Line type: When the three line is selected, A represents the distance between the second lines and the first line; B indicates the distance between third lines and second lines. Invalid numeric value in B in the two line. Single line, numerical A and in B are invalid; C said the distance between the two groups quilted stitches.

Curve type: Representing the width of the curve, presents the height of the curve.

延长到缝份 Check the quilted stitches will extend under the seam, not checked will not extend in the seam.

Custom dashed line: Is the length of the line; distance between lines and lines.

Add seam

Function:

For pattern add seam allowances or modify seam amounts and cutting angle.

Operation:

1. **The pattern all (modified) plus the same seam:** Click the edge tool in any pattern, In the middle of the box that pops up the dialog box, enter the seam, Select the appropriate options, click ok.

2.Plus (modify) the same amount on the multi-seam edges： With the tool at the same time or separately marquee marquee segments plus the same seam,right-click the pop-up dialog box **[plus seam]**,enter amount seam， select the appropriate Cutaway，Can be determined；

3.First determine the amount seam, and then click Modify sideline pattern (plus) seam servings：When selected plus seam tool，Knock the numeric keys and press Enter，Then click the mouse on the sideline pattern， Seam weight is changed.

Click ago

After clicking

4. Click the sideline:With a plus seam pattern tools on the sideline clickIn the pop-**[seam plus]** dialog box, enter the seam weight,Can be determined.

5. Drag selected edges point plus (modified) seam servings：With a plus seam tool holding down the left mouse button and drag the point 1 on the 3 point let go,In the pop-**[seam plus]** dialog box, enter the seam weight,Can be determined.

6. Modify a single corner seam Cutaway:With this tool, right-click on the required point,Will pop up **[corner seam type]** dialog box ， Select the appropriate Cutaway，Can be determined.

7. **Modify long Cutaway two edges, etc.:** Under Select the tool status, press the Shift key,The following dialog box will pop up

Three kinds of icons difference:

For example in picture 1 below is not done cutting angle pattern,Pattern princess before the line was extended to the length of the mouth of the deadAB=1.96CM，Pattern front side of the Princess line extended to the length of the mouth of the deadCD=1.78CM ， If you select a time， Whether the princess before the first click on the first point of the line or the front side of the Princess line， The effect is shown in picture 2 A'B=C'D=1.96CM ， They are subject to the length of the long side to correct isometric.Choose the time， After the first click, click before the front side， Results shown in picture 2 A'B=C'D=1.96CM， If you click on the front before clicking， Results shown in picture 3 showsA'B=C'D=1.78CM， After clicking the previous point, whichever length to determine the length.Choose the time， After the first click on the line before the princess, then click the front side of the Princess line,The effect shown inpicture 4.

picture 1

picture 2

picture 3

picture 2 before partial enlarged view

picture 3 before partial enlarged view

picture 4

【Plus seam】Parameter Description：

The following detailed explanations **[plus seam]** dialog , seam corner type meaning.Seams are all involved at an oblique angle to the boundary,All in a clockwise direction to distinguish， picture

or Means without seam of the pattern on a corner， 1 and 2 are defined as the net size.

1 、 2 Intersect

Seam natural extension and intersection, no treatment for the most common one seam;

Press 2 side symmetry

Used to make trousers, bottom, cuffs and the like. The two sides of the folded seam, and the seam is 1,3 reference correction chamfer;

2 side angle of 90 degrees

2 .Side extended with a side seam intersection, through the intersection as the two sides of the seam and the two sides' vertical line intersecting the seam cut corners, and more for the Princess line at the armhole;

Bisector Cutaway

To do so on the collar. Along the vertical direction of the line bisecting the angle of cut corners, and enter the length of the value of the icon of the red line in the length of the column;

Chamfer

Used to make sleeves fork, fork skirt hem corner,You can enter this icon in length than the value of the red line in the "end extended" column,That chamfer seam width;

The 2 side length is determined

1 seam side extended to the 2 side of an extension line,2 according to the length of the side seam of the draw bar enter and do vertical extension cord;

2 side length of one side of a vertical

As shown in figure，O, respectively, over the corner for one side, two sides of the vertical OB, OA,O point for the two sides of the fixed long (extension cords)OC (schematic view 3.5CM),Then connect BC, and more for the Princess line at the armhole and two sleeves;

Note： 1 side seam BE and BC is not a straight line.

Press one side of the web can refer to press two sides of the web

1 90-degree angle side can refer to the 2 side 90-degree angle

1 side 2 side length may reference length

1 side 2 side length perpendicular to the reference length 1 side 2 side vertical

1 and 2 side of the vertical Cutaway

1 and 2, respectively, along the corner to make vertical seam,cut corners direction along the intersection of the connection;

1 and 2 cutter canthus

1 and 2 sides, to extend the line to pay at the seam，Cut corners along the intersection of the connection direction.

Do lining

Features:

pattern used to do on Park-like, stick-like.

Action:

1.Plus data on a plurality of pattern equal Park, paste:After using this tool marquee pattern sideline right click,[Lining] in the pop-up dialog box, enter the appropriate data，Can be.

Pattern simultaneously on multiple samples plus Park

At the multilateral affixed kind

Use slash said park

2. Lined the whole pattern：With this tool click patterns,Pattern sideline color，And pop-up dialog，Enter the value can be determined.

[Lining] Parameter Description：Such as the above figure

【Flap distance】：Enter the number is positive，The paste is made by check or wire liner inside the pattern into the distance，If negative，Select the line pattern is made to go the distance outside pattern；

【Seam reduction】：Enter the number is positive，Make a new seam pattern is reduced，If negative，Make a new seam pattern increases.

【Reserved seam】: Check， have made new seam pattern，on the contrary，The new pattern does not seam.

【Use slash said】：Check，After park use slash said the original pattern，on the contrary，There was no slashes that on the original pattern；

【The name of the pattern】：If the dialog box enter the park，The original name for the former pattern pieces，The new name for the former pattern of pattern pieces Pak，And displays the "Park" word in the original pattern plus Park position;

【Gyrosigma line direction】：Select "Do not Change"，The new pattern of grain lines pattern consistent with the original。Select "Rotate 90 degrees"The new pattern of grain lines in the original pattern of Gyrosigma line rotated 90 degrees.

Notch

Features:

Add notches on the sideline pattern, the corner notches and auxiliary lines plus point sideline position plus notches,reorientation notches，To notch grading、Modify the size and positioning notches property.

Action:

Add notches on the control point：

With the tool in the control click away.

Plus notches in a line：

Use this tool to click line or marquee line，Pop-up dialog box **[Notch]**，Select the appropriate option，Enter the appropriate value，Click **[OK].**

At the same time on multiple lines equidistant plus equidistant notches：

Use this tool to be added after the marquee and then hit a line notches Right，Pop-up dialog box [Notch]，Select the appropriate option，Enter the appropriate value，Click **[OK]**.

Process Result

Increase pruning in equal parts between two points：

Use this tool to drag selected two points，Pop [proportion notches, aliquot notch] dialog ，Select aliquot notches，Enter the number of equal parts，Click OK to add an average of notches on the selected segment.

Process Result

Corner notches:

a.Use the Shift key switch the cursor to the corner of the cursor , Click on corner point pattern, In the dialog box, enter the normal amount seam, After determining sewn seam is not equal to the normal amount of the corner, all unified add the corner notches.

b. Marquee corner corner notches add point to the corner point, At the same time while adding a plurality of the corner corner notches;

c. Marquee or click line of "Central", Both ends of the line automatically add notches, One end of the line if the marquee or click, Add end-line notches.

Marquee line of "Central" Result

One end of the marquee lines Result

Corner notches description:

With the corner notches increase notches，With notches tools can notch angle at 0 degrees, 90 degrees, 180 degrees, 270 degrees to switch between.

Auxiliary line to the sideline position plus notches：

Use this tool to click or marquee end of the auxiliary line，Only increase in the near notches this side edges，If you click or marquee middle segment auxiliary line，then both ends plus notches.

Adjust the angle of notches:

With the tool, click on the notches will drag a line appears，Drag the desired angle, and click Finish；

Notches grading、Modify the notches positioning of the dimensions and properties：

With the tool, right-click on the notches，Pop-up dialog box [Notch]，Enter a new dimension，Select Notch type，Finally, click [Application].

[Notch] Dialog Parameter Description：

1. 【Location Type】When selected distance，Plus the distance positioning notches，Data for the added snip to the length of the reference point (bright star)；When the proportion of selected，Plus the proportional positioning notches， The ratio of the length of the notches to the bright star point and Select the line length ratio;
2. 【Reference Type】The reference point can be grading， It can also be a non-point grading；
3. 【More notches】Means one play multiple notches， It is a whole;
4. 【One-way multi-notch】Check，Numerical distance to the nearest reference point is the value of notches， No hook is the reference point to the value of multi-notch midpoint；
5. 【Number of notches】It may be two, three…， [Pitch] refers to the distance between adjacent notches；

6. Check the [file poor]， Whether any of the cursor to the next One type， After Click All EQ. ， According to the reference notches each code point distances are the same as the base code.
7. Unchecked[file difference]， Whether any of the cursor to the next One type， After click All EQ.， Clippings and other yard distance to the cursor code is the same as the reference point；
8. Check the [file difference]， Whether the difference between the amount of input file in which code， Then click D. EQ. ， Equalization code value of each code to the cursor jump code；
9. Unchecked [file difference]Enter the values in code outside of the base code， then click D. EQ.， The number of each type of code to the base code from the poor. "Equal jump code"。

【The proportion of notches, aliquots notches】Dialog Parameter Description：

1. 【Notch Type】：The proportion of notches for two points （ It may be more than one segment

line between two points） according to the proportion notches；

Equal parts between the two notches mean plus aliquot of notches（Similar regulations and aliquots）；

2. 【Another point of reference】： When the ratio is selected notches， Click this button， The reference point will switch to the other point.

> **Skill:**
>
> use Select Pattern Control Point tool， You can also click on the notches on the notch.

on the knife sleeve

Features:

In the armhole and sleeve hill while playing notches， And the front sleeve cage, the front sleeve mountain, play a single notches， After the sleeve cage、 After Sodeyama Play two notches.

Action:（Select the front armhole line，Front sleeve mountain line，After the armhole line、After the sleeve mountain line）

1. With the tool near A, C location Click orMarquee in front armhole line AB, CD, right-click；
2. Then in the near A1, C1 position Click or Marquee front sleeve mountain line, A1B1, C1D1, right click；
3. Also in the near E, G location Click or After marquee armhole line EF, GH, right click；
4. Then in the near A1, F1 location Click or After marquee sleeve mountain line A1E1, F1D1, right click,Pop-up dialog box (on the knife sleeve);
5. Enter the appropriate data, click OK.

【on the knife sleeve】**Dialog Parameter Description**：the picture above

【Model】：Models in front of check or There point time，This number is displayed，The added notches will immediately display，Data Dialog can change at any time；

【Armhole Total Length】：It refers to the total length of the first and third steps of the selected line operation；

【Sodeyama Total Length】:It refers to the total length of the second and the fourth step is selected line operation；

【Differential】：It refers to the total length Sodeyama and armhole total length of the difference；

【Front armhole】：It refers to the length of the clip notches from the bottom or shoulder point；

【Before Sodeyama capacity】：The difference between the notches distance from the front sleeve mountain notches with front sleeve cage；

【After armhole】：It refers to the length of the clip notches from the bottom or shoulder point；

【After Sodeyama capacity】：The difference between the notches of the back sleeve of the mountain from the distance between the notches of the front armhole；

【From the other end of the fight notches】：If the selected line is starting from the bottom of the selected folder，Check this，The distance is measured from shoulder notches point；【Each code is equal to】【Free Size】【File difference】Reference【Pleated】Dialog Description.

Auxiliary line notches

Features:

Add notches on the secondary line to the sideline，When adjusting the direction of the auxiliary line endpoints，Notch position to be adjusted.

Action:

1.Use this tool to click or marquee end of the auxiliary line，Plus notches only on this side near the edge；

2.If the marquee in the middle segment of the auxiliary line，Then both ends plus notches，As shown below；

3． Right-click with the tool to change the properties on the secondary line notches notches.

Note：Use the tool on the seam pattern plus parts of notches，Notches displayed only seam line.

Eye position

Features:

Plus eye position on the pattern、Modify eye position.The pattern on the grading，Number of eye position of each code can be equal or may not equal，Also add group buttonhole.

Action:

(1)According to the number of eye position and distance，The system automatically draw the

eye position location.

As shown，Click with the tool in front collar deep point，Pop-up dialog box eye position;

1. Enter the offset、The number and spacing，click OK .

【Plus buttonhole】Dialog Parameter Description： As shown in the figure

【Starting point offset】： The first refers to the added eye position and reference point offset;

【Repeat】： It refers to the simultaneous increase in the number of eye position;

Means the horizontal distance between the adjacent eye position，If you add in the right side of the buttonhole reference point，Enter a positive and negative side，If you add in the buttonhole left reference point，Enter a negative.

The vertical distance between the adjacent eye position，If you add the top buttonhole at the reference point，Enter the positive and negative，If you add buttonhole below the reference point，Enter a negative。

【Angle】 Buttonhole angle，Buttonhole different angles can be set according to the pattern of actual demand;

【Types of】 There are different means buttonhole appearance，可 In the Type drop-down triangle to go back to select a different buttonhole appearance;

... Click the scaling button，Will pop

up，Check the buttonhole Group Group，Enter the number of groups within the group and the distance，After determined as shown below.

(2)Plus buttonhole online，Only when put end to end point grading auxiliary line can be.
Operation Reference plus drilling.
(3)On a different code，Plus the number of unequal buttonhole.
Operation Reference plus drilling.
(4)Determine the direction of movement of the mouse buttonhole angle
Action: As shown below，Use this tool to select a reference point and hold the left holding the line，Then let go dialog box will pop up add grommets.

（5）Modify eye position
Action:With the tool, right-click on the eye position，Pop-up dialog box to buttonhole.

Drilling

Features:
On the plus drilling pattern (buckle bit)，Modify the properties and the number of drilling。The pattern on the grading，Drilling each code number may be equal or may not be equal，It can also be added drilling group.
Action:
One:The drilling / buckle bit number and distance，The system automatically draw the location hole / buckle bit.
1.As shown，Click with the tool in front collar deep point，Pop-up dialog box [drilling]；
2. Enter the offset、The number and spacing，Click OK.

【Drilling】Dialog Parameter Description:

【Starting position】: It refers to the increase of the first hole and the reference point position offset;

【Associate】: Check, Added associated drilling, Only when put end to end drilling grading, Other drilling automatic grading.On the other hand requires a separate grading.

【The number of】: It refers to the simultaneous increase in the number of holes;

Means the horizontal distance between two adjacent drilling;

The vertical distance between two adjacent drilling

Click the scaling button,

Will pop up

Check the drilling group, Enter the number of groups within the group and distance, determined as shown below

Two:Plus drilling Online（Buckle bit）, Put end to end point of the auxiliary line only when grading.

1. With the drilling tool online click, Pop-up dialog box [drilling];
2. Enter the number of boreholes and the distance from the beginning and end points, Click OK.

Select the auxiliary line pattern, bright star point led by point

After adding buckle bit

【Online drilling】Parameter Description：

距首点 0：That is the first point of the auxiliary line from the drilling distance，Bright star point led by point；

距尾点 0：The other end of the auxiliary line relative to the first point；

Hide the first point drill: check, that is the first point of drilling Hide；
Hide End point drill: Check, namely drilling end point hiding;
Aliquot segment：Check，Plus drilling segment is bisected，Uncheck，Drilling spacing can be set.

Note：
After the addition of on-line drill bit or buckle，If you use this tool to adjust the shape of the line，Spaced drilling or buckle position remains equidistant，And from the beginning and end point distance will not change.

Three:On a different code,Ranging from plus the number of drilling（Buckle bit).
With and without line plus two cases there online，下 Surface to increase the number of on-line ranging buckle as example.Plus three buckle position three yards forward，Plus four buckles on the last digit code.
1. Drilling tool with a plus，In the figure below, click auxiliary line，Pop-up dialog box [online drilling];
2.Enter the number of bits in the input button 3，Click [different each code]，Pop-up dialog box [various shapes]；
3. Click on the last code number input 4 XL，click OK，Return (Online drilling) dialog；
4. Click OK again，As shown below.

Four：modify the drilling (buckle bit) and the number of property

Action:With the tool, right-click on the button position，Return (Online drilling) dialog.

【Attributes】Dialog Parameter Description：

【Operation】

Check the Drilling，It refers to the connection of the drilling cutter to cut；

Tick only painting，Refers to the connection to the plotter cutter to draw only；

Tick Drill M43 or Drill M44 or Drill M45,When connecting cutting means，Eye drop size.

【RADIUS】: drill a circular RADIUS.

【On the grid】: set the frame number and later option, you will automaticallydischarge;

【Modify all drilling in this style (or snap)】: check that all drilling inthis style (or snap) the handli n-g, the RADIUS is the same.

Fold

Function:

Pattern is added or modified on the sidelines knife pleats, Box. Can also be added on the structure line pleated into folds with the tool. Do a fold inthe original pattern will add pleats, patterns vary in size, if you areadding a half pleats, add only fold symbols and pattern size does notchange.

Operation:

First, the fold line on the pattern of, as demonstrated in

1. use the tool frame or click the fold line, right-click popup "pleats"dialog box;

2. Enter the pleat width, select the type of fold;
3. When you click OK, fold together;
4. at this point, the end of the tool to adjust the pleats, satisfied withthe right-click.

Note: this crease is source fold can also be half folded.

Second, the average increase in folds of the pattern:

1. Select the left-click on the tool and fold lines. Following figure AB(dashed line box when you right-click selected segments);

2.If do half pleat, right-click, pop-up half pleat dialog box;

3.If you need to do Pass pleat, according to the step 1 way choose plait another section of the sideline, strike right-click pop-up plait dialog box;

4.In the dialog input amount of pleat, pleat number etc, determine the pleat together.

5.At this time, use the tool adjustment pleat bottom, satisfied after the click right can.

Note:location of the right to decide the direction of the pleat, same time decided to pleat up and down segments (Close to the right click on the location of the location, at the same time close to the right click on the location of the section for the upper section).

Three：Modify the H pleat or knife pleats

1.Modify a pleat: use the tool to move the cursor to the H plait or knife pleat, pleat line change color after the click right, can pop up plait dialog box.

2.Modify multiple pleat at the same time, using the tool left-click respectively selected need to modify the pleat after the click right, pop-up modify plait dialog box（The choice of plait must be on the same pattern ）.

Four：Auxiliary line turn pleat figure yuan

use the tool put on point A and hold the left button and drag to point B release, press release, The same put on point C and hold the left button and drag to point D release,will pop up pleat the dialog box， After determining,original auxiliary line become plait figure yuan ,pleat figure yuan automatically with a snip.

【pleat】Parameter dialog explain：

【Upper plait wide】When each code amounts of plait equal , click Upper plait wide table, the columns of the table selected, can be one-time input amount of pleat; Upper plait wide .

【plait long】also in the same way.

【Snip properties】set the snip the type, width, size etc;

【Slash properties】set plait on logo the diagonal line and interval etc;

【Equal each code】The actual value of the effect,the currently selected form item value shall prevail ， the other shapes in the group become equal value;

【All code】Set the delta adjacent shape equal.

【The difference】check to the relative difference shows that contrary to theactual value display;

Tong folds: folding length: If the value is 0, which means that at fulllength to display if the length of the input is not equal to 0, the lengthof a given show. Click the "code is different" buttons, you can set the codefolding is not equal;

Half plait ：

Assigned to fold, among the first option to add plait both sides, the second and the third is from one side to the other and plait .

V dart

Function: To add or modify the pattern line v dart, also can add on the structure line the dart with the tool into primitives.

Operation:

one:the pattern has the dart line,as shown below.

1、With the tool at the dart line click, pop-up 【V dart】dialog box.

2、Choose the appropriate option and enter the appropriate amount of the dart.

3、Click ok after combined dart.

4、At this time, use the tool adjustment dart,the satisfaction of the right to strike.

Original pattern

After add dart pattern

Result

Two: The pattern without dart lines, as shown below.

1、Click on line using the tools, and the location of the first set to dart.

2、Drag the mouse click, pop-up the 【V dart】 dialog box.

3、Choose the appropriate option and enter the appropriate quantity dart.

4、Click ok after combined dart.

5、At this time, use the tool adjustment dart,the satisfaction of the right to strike.

Set the dart location　　Adjust the bottom of the dart　　result

Three: Modify the v dart.

Choose the tool, move the cursor to the v dart, right-click after dart line color, can pop up "V dart" dialog box.

Four: Auxiliary line dart primitives.

As shown in the figure below, to hold the tool at the end of the dart of point A and B respectively point click, click onto the dart point C, pops up [dart] dialog box, after the original auxiliary line becomes dart primitives.dart automatically with a snip, borehole primitives.

Guides the dart　　Dart map process　　result

Note: Plus dart, if need to modify the dart and snip, drilling properties, modifying tools available on the dart strike right, can pop up plait dialog box.

【V dart】Dialog Parameter Description:

【The code is equal to】【All code】【Gear differential】With reference to【Pleated】【Drilling properties】With reference to【drilling】Dialog Parameter Description,【Snip properties】With reference to【snip】Dialog Parameter Description.

Fastigiate dart

Function:add conical dart or the diamond on the pattern.

Operation:

1、Are shown in figure 1 below，with the tool, in turn, click on the points A, B, C, pop-up【Fastigiate dart 】dialog box.

2、Input dart amount, click [sure] to go, as shown in figure 2.

图 1

图 2

[Fastigiate dart] Dialog Parameter Description:

W1, W2, D1, D2: refer to the dart bottom width, waist width dart, the dart waist to the bottom of the length of the dart, the dart's long;

【All EQ】【EQ】【dispersion】With reference to【Pleated】

【Drill Attr】With reference to【drill】Dialog Parameter Description，【Notch Attr】With reference to【notch】Dialog Parameter Description.

> **Note:**If not specified online with Fastigiate dart or rhombic, D1, D2, as an active, can be the input data.

Stepped and Compare

Function:

The edge of a pattern when stepped on the edge of another pattern, it can adjust the internal wire butt is coordinately, also can add snip.

Operation:

1. The following figure, using the tool, in turn, click point B and point A, pattern 2 spell on A pattern, and pop-up [Stepped and Compare]dialog box.
2. Continue to click the pattern edge, pattern 2 is in the pattern on a stepped, can snip at this time, also can adjust the auxiliary line;
3. The final blow right to complete the operation.

Before the contest

after the contest

Instructions:

1、If competing with two lines for boundary conditions, the following figure line when a line b

compete for overlap between pattern, hold down the Ctrl key before operation;

2、In the contest, press the Shift key, click the control points or cut mouth can begin to compete again.

[Stepped and Compare] Dialog Parameter Description:

1、According to the starting point of the [fixed pattern length, data frame after stepping pattern] refers to when Canada and other long-notch;

2、[Fixed pattern, after stepping pattern] refers to the offset notches plus added capacity;

3、Flip competition pattern, check the stepping pattern flip, remove check the stepping pattern flip again;

4、[Automatically skip Yung pull bits range]the back of the check, the data frame activated, when the cut in two, within the scope of the display two mouth can automatically cut the upper;

5、[Back to the original position after the contest]Tick, stepping pattern after the end of the competition back to the position before the competition, on the contrary, stepping pattern in the position before the end.

Cloth grain line

Function:

Used to adjust the line direction, location, pattern length and wove text information online.

Operation:

1、With the tool with a left-click the pattern on the two points, fabric line parallel to specify two points;

2、Use the tool on the fabric line strike right, cloth grain line at 45 degrees to rotate clockwise;

3、Hold down the Ctrl key, use the tool on the fabric line strike right, the cloth grain line at 45 degrees counterclockwise to rotate;

4、Use the tool on the pattern (except cloth grain line) with left-click on the first, again, right Angle can be arbitrary rotation wire cloth;

5、Use the tool in the fabric line "middle" with the left key click, drag the mouse to pan fabric line;

6、Select the tool, move the cursor on the endpoint of the fabric line, and then drag the mouse to adjust the length of the wire cloth;

7、Select the tool, hold down the Shift key, the cursor will become T strike right, cloth grain line of the text information up and down 90 degrees;

8、Select the tool, hold down the Shift key and the cursor will become T, two arbitrary point on the pattern, fabric line up and down the text information to specify the direction of rotation.

Note: Fabric line rotates, the pattern should not be any rotation.

Rotate the pattern

Function:

As the name implies, is used for rotating pattern.

Operation:

For a single pattern

1、If the fabric line is horizontal or vertical, right-click on the pattern with the tools, patterns of 90 degrees clockwise rotation;Right click the Shift+ pattern rotated 90 degrees counterclockwise.If the fabric line is not horizontal or vertical, use the tool right-click on the pattern, the pattern rotating fabric line horizontal or vertical direction;

2、With the tool click left key to select two points, move the mouse, the pattern to select two rotation in horizontal or vertical direction;

3、Hold down the Ctrl key, use left key in the pattern, click on the two moving the mouse, the pattern can be arbitrary rotation;

4、Hold down the Ctrl key, right click on the pattern, can be in the specified Angle rotation pattern.

For multiple pattern

1、Right click box to choose the pattern, pattern can be 90 degrees clockwise;

2、Select the pattern, hold down the Shift key, press the right button is rotated 90 degrees counterclockwise;

3、Click the left button or press ESC key to exit the operation in the blank.

Note: Rotating pattern, fabric and pattern in synchronous rotation.

Horizontal and vertical flip

Function:

For the pattern reversal.

Operation:

For a single pattern

1、Shift key switch between horizontal flip and vertical flip

2、On the pattern directly click left key;

3、The pattern set the left or right, flip will prompt "flip the pattern?"

4、If you really need to turn over, click yes.

For multiple pattern

Use the tool box to choose invert pattern after the strike right, all the selected pattern can reverse it. In the blanks click click or press the ESC key to exit the operation.

Horz/ vert adjust

Function:

A line adjust into horizontal or vertical, to below a line segment AB correction to figure 2. They can be used for calibration pattern of reading.

图一

图二

1、Press the Shift key to cursor switching into horizontal adjust for ,Vertical

Operation:

1、Adjust for .

2、Use the tool click or strike right after the box to choose AB，pop-up[Horz vert adjust]dialog box.

3、Select the appropriate option, click OK.

Note: This is not the adjust pattern correction pattern, the pattern size will change, so generally used only for fine-tuning.

Re smooth curve

Function:

Used to adjust the curve and the position of the points retained in the original position, used to interpret the images processing pattern.

Operation:

1、With this tool, click the curve that needs to be adjusted, this time the original curve will automatically generate a new curve (if there is no point in the middle, the new curve is a straight line, if the middle of the curve, the new curve is the default by the code point);

2、Using the tool, click the control point on the original curve, and the new curve is adsorbed on the control point (again, click again, and also from the new curve);

3、New curve to achieve satisfied, again, right-click in the blanks.

The original image　　process　　result

Curve replacement

Function:

First：Structure line pattern line and sideline exchange between;

Second：Can also auxiliary line in the pattern into line (the original line can also transform the secondary line).

Function one operation:

1、Click or one end of the line selection box, line was selected（If you select multiple lines, the first line must use marquee, and finally hit the right）；

2、Right click the line can be in horizontal direction, vertical direction;

3、Move the cursor over the target line, and then click on the left button.

The following example is a pattern on the sideline for another pattern edges.

Before replacement

The replacement

After the replacement

Note: In the pattern, you can also drag points.As shown in the figure below：
figure 1 pattern turn to figure 2,use the tool to select line C, drag from point A to point B.
figure 1 pattern turn to figure 3,use the tool to select line C, drag from point B to point A.

图一

图二

图三

Function two operation:

With the tool click or box to choose the pattern after the auxiliary line, the cursor will become the shape (According to the Shift key cursor will become

)Right to strike.As shown in the figure below：

Auxiliary line change before the sideline

Auxiliary line goes into sideline

Auxiliary line change before the sideline

Instructions: Use the Shift key to switch and , don't keep the original line, the original line into auxiliary line.

Pattern variable closed auxiliary line

Function :

The auxiliary line will be closed a pattern to another pattern

operation:

The auxiliary line will be closed A pattern to B pattern.

The tool used at key points A pattern of click, and then on the key point B pattern can click(or knock the Enter key to shift).

Two independent pattern

The pocket pattern become auxiliary line in the front pattern

The pocket pattern according to the amplitude pattern of auxiliary line direction to a closed auxiliary line.

With the tool, drag the AB, and then drag the CD.

Two independent pattern

The pocket pattern become auxiliary line in the front pattern

Segmentation pattern

Function :

Cut open the pattern along the auxiliary line

operation:

1、Selected pattern segmentation tools;

2、In the pattern of the auxiliary line click, pop up the following dialog box;

3、Select Yes to align the cut according to the base code, choose no, to display the status cut.

Before the segmentation pattern

Choice is, after the segmentation of the pattern.

Choice no, after the segmentation of the pattern.

Merge pattern

Function :

The two pattern is merged into a pattern.There are two ways of merging: A is the combination of the line at the two ends of the merged line, B is the combination of the curve.

operation:

To switch between (modeA) and (mode B) by Shift.When you click on the first pattern after the press Shift in line with retention and do not keep with line switch.

After selecting the corresponding cursor, there are 4 methods of operation:

a、Click directly on the space two pattern；

b、Respectively，and click the corresponding point of the two pattern；

c、Respectively,Click the respective two sideline two pattern；

d、Drag to choose a pattern of two points, then drag on pattern selection can merge two points；

Before the merger

After the merger by

After the merger by

After the merger by

After the merger by

Symmetric pattern

Function :

Associated with symmetric pattern nd is not associated with the pattern t functions, associated symmetric pattern, in which half the pattern changes, the other half has been revised to linkage.

operation:

One、associated with symmetric pattern

1、Press Shift key to make the cursor switch to

2、The following figure 1, click the symmetry axis (the front center line) or click point A, point B，Appears in Figure 2.

3、if need to return into the figure 1 pattern, use this tool to hold the axis of symmetry does not let go, hit the Delete button.

Two, not associated with symmetrical pattern

1、Press Shift key to make the cursor switch to

2、The following figure 1, click the symmetry axis (the front center line) or click point A, point B，Appears in Figure 2.

Note: If the pattern on both sides of asymmetric, select the symmetric axis after the default keep one side of the area is large, the diagram below.

Before the symmetry

After the association symmetry

After not associated with symmetry

Shrink

Function :

According to the fabric to overall shrinkage pattern processing. In view of the selected line local shrinkage can be performed.

Overall shrink operation:

1、Select shrink tool;

2、When you click the blank or pattern, pop-up dialog box[shrink].

3、Select the shrink fabric, select the appropriate option, enter the weft and warp shrinkage rate, determine.

No.	1	2	3	4	5	6	7
Old weft shrink	0	0	0	0	0	0	0
Old warp shrin	0	0	0	0	0	0	0
ength before	27	23.463	18.213	18.213	18.213	27	21.176
length before	42.01	50.536	50.536	45.171	5.365	29.724	10.809
New weft shrin	0	0	0	0	0	0	0
ew warp shrin	0	0	0	0	0	0	0
Weft scale	0	0	0	0	0	0	0
Warp scale	0	0	0	0	0	0	0
length after s	27	23.463	18.213	18.213	18.213	27	21.176
length after s	42.01	50.536	50.536	45.171	5.365	29.724	10.809
ft Change Va	0	0	0	0	0	0	0
rp Change Va	0	0	0	0	0	0	0

instructions:

1、Overall shrinkage can memory old shrinkage, and can change or remove the shrinkage.Such as: the original 5% of the shrinkage, after the new fabric, the shrinkage rate is 7%, then the direct input of 7, the removal of the shrinkage rate, input 0;

2、When you change or clear the shrinkage rate, the table box will fill up the warning;

3、Shrink and scaling between the two are linked, shrinking in the input data, automatic scaling will calculate the corresponding value, similarly scaled input data, shrinking also corresponding values, both in just the input.SSuch as size 100, plus 10% of the shrinkage, the algorithm is: 100+100*10%+100*10%*10%+100*10%*10%*10%..... About 111.11, while the 10% zoom algorithm: 100+100*10%=110.

Partial shrink operation:

1、Click or select lines or auxiliary lines to partiall shrink after the right-click, pop-up dialog box [partial shrink];

2、Input shrinkage, choose the appropriate option。

3、Click OK.

Special attention:

partial shrink has no memory of the old shrinkage function. We must pay attention to the application of the time.

Section 7 Grading Toolbar

Parallel intersection

Function :

Sideline pattern for coding, used after the tool intersects the sides are parallel.Commonly used in the suit collar coding.

operation:

As shown in Figure two of the change, use the tool to click on the A.

图一 图二

Auxiliary line parallel to the grading

Function :

For internal line pattern coding, using the tool, internal line between different codes are parallel and intersecting line.

operation:

1、With the tool click or box choose auxiliary line（line a);

2、Then click the line (line B) that is close to the moving terminal.Figure 1 to figure 2, figure 3 to figure 4 of change.

图一 图二

图三 图四

Auxiliary line code

Function :

The intersection of the auxiliary line at the end of the line pattern according to the length of the specified point to put the line of code(the following figure, the curve of A to B).

operation:

1、With the tool in the auxiliary line A point to double click, pop-up [auxiliary line point code] dialog box;

2、Enter the appropriate data in the dialog box, select the appropriate option;

3、Click [apply] to.

[Grading of Assist Curve] dialog parameters instructions:

1、[Length]: refers to the selected point to the reference point of the curve length;

2、Locate: There are two Locate. Change the anchor point, click the button, the cursor becomes then you can click on the target point;

3、[dispersion]: check the file is the difference between the adjacent code, do not check the input data for the specified point to the distance of the reference line.

4、 Equate In the input data of arbitrary shapes, and then click the button, the size of all sizes with equal size data;

5、Check [file difference], regardless of the code in which the amount of input file difference, and then click on Equal grading , the code to the cursor where the code data;

6、Unchecked [file difference], enter a value in the base code outside of the code, and then click Equal grading , the code to code the shapes and medium income difference "equal jump code".

Distance point

Function :

Make each code is not parallel to the diagonal lines parallel.

operation:

the distance point not garding, in accordance with the actual value grade width.

1、Using this tool, click two points in the back midline.

2、Then click on the distance point , pop-up[Distance point]dialog box, Enter the appropriate value, choosing the right option, sure can.

Distance point not grading

After the distance point grading

Distance point pass grade of operation:

1、Click the fabric line (also can respectively after clicking on the two points of the midline);

2、Then click on the distance point, pop-up[Distance point]dialog box, diagram below the first choice, sure can.

【distance parallel】 parameters instructions

1、[Distance]refers to the shoulder point to the reference line distance;

2、[Parallel with prev grade point]:the grade points are in the front of the neutral point;

3、[Parallel with Next grade point]: the point at which the point is the point;

4、[Dispersion]: check the file is the dispersion between the adjacent grade, do not check the input data for the specified point to the distance of the reference line.

5、Check [dispersion], regardless of the grade in which the amount of input file difference, and then click on Equal grading, the code to the cursor where the grade data;

6、Unchecked [dispersion], enter a value in the base grade outside of the grade, and then click Equal grading grade to grade the shapes and medium income difference "equal jump grade".

Each grade alignment

Function :

make each grade and grade quantity by points or snip(buckle position, eye position) line alignment or restitution.

operation:

1、Use the tool to click on a point on the pattern, put code amount to that point according to the level of vertical alignment;

2、Use this tool to select a line, put code amount to line the ends of the wire alignment;

3、Use the tool before click point press X for horizontal alignment;

4、Use the tool before click point press Y for vertical alignment;

5、Use the tool in the pattern on the right to recover ;

Note:

With choose the pattern control point tool selected grading point, each press the Z key on the keyboard, put code amount at that point in a horizontal vertical alignment, vertical alignment, horizontal alignment.This check the amount of code more convenient.

Arc grading

Function: Can be circular arc Angle, radius, arc length grading.

Operating:

Click the circular arc with the tools, the diagram below, the center of the circle will be displayed, and the pop-up arc grading dialog .

Input the correct data, click on the application and close the can .

〖Arc grading〗：Dialog Parameter Description

〖Each code is equal 〗：Check, use the mouse to click on the location of the code are equal;

〖File difference〗：Check the data in the table in addition to the base code file to show the difference, on the contrary whereas the actual data display;

〖Switching endpoint〗：Every click, bright star switch to the other end of the arc, bright star Representation grading fixed point;

Copy point grading quantity

Function： Copy grading point, notch point, the intersection of grading quantity to other grading point.

Operating：

Happening 1，copies of a single grading point ：Figure 1 to figure 2

To use the tool in grading point click on or box to choose and the amount of again without grading grading point click or box to choose;

Figure 1

Figure 2

Happening 2，Multiple copies of grading point：Figure 3 to figure 4

On pattern of grading point use the tools box to choose or drag choose（The following figure 3 A to B ），again no grading pattern on the box to choose or drag choose（The following figure 3 C to D ）：

Figure 3

Figure 4

Happening 3，put the same grading quantity, copy multiple consecutive grading point:
On pattern of grading point use the tools box to choose or drag choose, again no grading pattern on the box to choose or drag choose.
Happening 4，Copy only one direction or in the opposite direction, you can choose in the dialog box.

The point with the line grading

Function： According to the grading of two proportional grading on the specified point， can be used to pet clothes Grading.
Operation： The following figure ，line segment EF point F according to the proportion of long clothing AB grading.
use the tool respectively Click with point A and point B ;
Then click or box click point F is ok .

Use this tool to before grading

Use the tool after grading

As shown in the above，According to the grading of point D to the line AB proportion to point C.

1.Click point D with the tools, and then click the line AB;
2.Then click or box click choose point C.

set up/Cancel the auxiliary line follow Side line grading.

Function:

1.auxiliary line follow Side line grading.

2.auxiliary line don't follow Side line grading.

Operation:

auxiliary line follow Side line grading.

1.The cursor with the SHIFT key switch to auxiliary line follow Side line grading.

2.Use the tool box to choose or click in the middle, auxiliary line on both sides follow Side line grading.

3.If box selected or click on the one end of the auxiliary line, only the One end will follow Side line grading.

Note:

Use the tools, auxiliary line follow Side line grading operated, Again to side line point or Modify the grading quantity , the operated auxiliary line follow side line automatically grading。

auxiliary line don't follow Side line grading

1.The cursor with the SHIFT key switch to auxiliary line don't follow Side line grading.

2.Use the tool box to choose or click in the middle, Again to side line point or Modify the grading quantity , auxiliary line on both sides don't follow Side line grading.

3.If box selected or click on the one end of the auxiliary line,Again to side line point or Modify the grading quantity ,only the One end will don't follow side line grading.

Special Note:

If you want to the entire pattern of auxiliary line operation, can use the menu in the auxiliary line follow side line automatic grading and line auxiliary line separation command .

Parallel grading

Function: For the pattern side line and auxiliary lines parallel grading, often used for bra grading.

Figure 1

Figure 2

Operation:

1.Use the tool click or box to choose need parallel grading's line segment ,click right click,pop up **【parallel grading】** dialog box.

2.Enter each line、each code、the distance between parallel lines, determined is ok.

【parallel grading】dialog Parameter instructions:

1.Parallel grading refers to curve of the after grading（Edge line segment， Auxiliary line）and similar to the shape of the codons，distance for the given value .

2.【All code】Refers to the distance between each code is the same.

3.【Each column of data of the same】After you select this option ，the data is the same for each column in the table.

4.【Relative file is poor】and【Absolute file is poor】,Since the base code remain intact,think that the distance is 0，Each code and Base code have own offset distance，These distances will be seen as file difference，Relative file is poor ，be relative to the difference between the adjacent code，Absolute file is poor be relative to the difference between the base code.

5.Distance has positive and negative, on the pattern with the arrow for identification，>0 indicates along the direction of the arrow, Instead of another migration direction.

6.If enter 0 Express The model's shape and of the same base code .

7.For the no selected line, When adjacent line parallel to the grading， on the basis of the current shape to intercept or extended.

Section 8 Hide the tool

Parallel adjustment

Function: Parallel lines to adjust a or more paragraphs .

Operation:

1.Click on a point or at multiple points ， Move to on the blank area click，Pop-up 【parallel adjusting】 dialog ， The input adjustment quantity， Suer is ok.

2.As you drag, if you move to a Key points, then not pop-up dialog.

When dragging, hold down the Shift key can on the horizontal, vertical, 45 degrees of Direction Adjust .

Proportion adjustment

Function : In proportion to adjust a lines or more lines. Press the Shift key and the cursor switching between and .

Operation:

The original line

By adjustment curve

By adjustment curve

1.Selected tool to switch into the appropriate cursor, click a point on the curve and drag (or drag to

choose a set of control points, click a key drag), click on the empty white, pop-up proportion adjustment dialog box, adjust the quantity input, determine;

2.As you drag, if you move to the key point, then not pop up dialog box appears.

When dragging, hold down the Shift key can on the horizontal, vertical, 45 degrees of Direction Adjust .

Line

Function: Draw a Free curve or straight line.

Operation:

1.Draw straight line: use the left key click two points , right click the pop-up dialog length and Angle,input length and angle . Connection between two points:use left key on the two respectively click after , click right can.

2.Connection between two points :use left key on the two respectively click after , click right can. Draw Curve use left key at least determine three points click right key after.

Connection angle shortcuts V

Function: Used to extend line segments to intersect and remove the intersection point outside , not selected part .as shown figure below.

Operation:

1.Select the tool, use the left key respectively click two lines;

2.Move the cursor line color have change, change the color line for keep the line;

3.Click the left or right;

Horizontal and vertical line

Function: At two key points (including two line intersection point or line endpoint) Connect a right angled line.

Operation : Use the tool to click, right click to switch the location of the vertical level, then click another point.

Equidistant line shortcuts Q

Function: used for drawing a line of equidistant lines

Operation:

use the tools In line click , and drag the cursor to click again, pop-up 〖parallel line〗 dialog

box ；

Input values, click [sure] ；

Intersection equidistant line shortcuts B

Function： Used for draw and on both sides the equidistant line of intersection , same time can draw more .

Operation：

use the tools Click need to do the equidistant line, the line change color;

Then respectively click and The first step selected line both sides of the intersection;

Drag the mouse to click the appropriate location, pop-up 〖parallel line〗dialog ；

Input values, click [sure] ；

Pull aside Shortcuts T

Function:one-way pull aside and two-way pull aside two cases, One-way pull aside , same time will be multiple lines on the entry in a line，two-way pull aside，same time will be two targets of multiple lines same time on the Two target line ;

Operation：

1.one-way pull aside：Use this tool to click or marquee line abc Right after click right, then click the line d, move the cursor in appropriate place right click;

pull aside before

pull aside after

2.One-way pull aside：Use this tool to click or marquee line after abc right click, and then click the line d、line e is ok .

pull aside before

pull aside after

amplification Shortcuts The blank space key

Function: Used to enlarge or full-screen Show work space object

Operation:

amplification : Use the tool click to enlarge the outer edge of the area, drag the mouse to form a rectangular box, the portion to be enlarged box within the rectangle, and then click to enlarge full screen show , right-click in the work space.

Skills : When using any tool, press the blank space key (not pop) can be converted into amplification tool, rolling forward at this time the mouse wheel to zoom in for the center with the cursor location, rolling back the mouse wheel to shrink for the center with the cursor location.

Move the pattern Shortcuts The blank space key

Function: will pattern from one location to another location or will two pattern according to a point the corresponding overlap.

Operation:

1.Move the pattern:

use the tool on the pattern click , drag the mouse to the appropriate location, click again.

2.Will two pattern according to a point the corresponding overlap:

use the tool, click a point on the pattern, drag the mouse to point of another pattern ,when that point in the selected state, click again .

Tips:

1.When selected any tools, put the cursor on the pattern, press the blank space key, the cursor can become mobile patterns drag to the appropriate location, click again.

2.use Select the pattern control point tool select multiple patterns,press the blank space key, the cursor can become mobile patterns drag to the appropriate location, click again.

Triangular plate

Function: Be used for make any straight line vertical or parallel lines (Extended line).

Operation:

1.Use the tool,Respectively click both ends of the line

2.Then click on another point, drag the mouse, do the selected line parallel or perpendicular line.

To notch

Function: Used to Between the two groups of line Fight notches，and Capacity position may be added.

Operation:

1.Use the tool in near the location of the point A click or box to choose after AB, click right;

2.Again near the location of the point C click or box selected CD after , right click, pop-up to to notch dialog box;

3.Enter the appropriate data, click on the [sure].

【**To notch**】**Dialog parameter description:**As shown above .

【The first set of wire length 】Refers to the click right before ， selected Line length;

【The second set of wire length】Refers to the click right after ， selected Line length;

【Length difference】Line length difference between the two groups.

【 notch 1 】 As above case,numerical 10 of notch 1 is length of AE1, length of the CE1 is numerical of notch 1 and Capacity of notch 1 after ， numerical And is 12.

【 notch 2 】 As above case,numerical 25of notch 2 is length of AE2， length of the CE2is numerical of notch 2 and Capacity of notch 2 after ， numerical And is 25.

【 notch 3 】 As above case,numerical 50 of notch 3 is length of AE3， length of the CE3 is numerical of notch 3 and Capacity of notch 3 after ， numerical And is 50.

【Each code are equal】 【all code】 【file difference】 With reference to plait dialog box Explanation.

【The number of notches】**:**Option 1, can only play a notch. Option 2, can play at the same time two groups notch. Option 3, can play three groups notch at the same time;

【Refer to the end】： when the notch 1、notch 2、notch 3 is not checked, the starting end of the selection line is located at the cutting edge of the table，Check, the end point to locate;

【notch the number and spacing】 Each set of notches can set different of notches number and spacing .

Symmetry copy a part of the pattern.

Function： Symmetry copy a part of the pattern.

Operation：

The following figure, symmetry copy placket.

Figure1

Figure2

As shown in figure a, use the tool to click the center line a or two endpoints on center line;
Then click need symmetrical line, As shown above a line b.
Figure 2 is the result of a symmetric copy .

Handover /adjustment XY value

Function： Can let the auxiliary line along the codons pull over ， And can make auxiliary line endpoint in the X direction (or Y direction) put code amount remains the same ，In the Y direction (or X direction) grading aside.

Operation：

The following figure two auxiliary line in the figure a pull over only in the X direction and keep Y direction of grading put code amount remains the same.

Figure1

Figure2

Select handover / adjustment XY value tool,use shift key Switch to the cursor;
Click on the or box to choose to pull over auxiliary line after ， click right;
then to rely on pattern edge line ， click sure,As shown in Figure two.

Note: press the Shift key can switch between X Close to the edge and Y Close to the edge side .

The parallel moving

Function: As shown below , Along the parallel adjustment pattern.

Operation:

use tool click or box to choose （marquee when , line two endpoints must be box to choose） needs to line of parallel adjust, click right;

Drag the cursor after, clicking left key, pop-up parallel moving distance dialog.

Enter the appropriate values (input positive is lengthened, input negative is reduced), click [sure] , Ok.

Not parallel to adjust

Function: In pattern to add a not parallel line or not parallel adjust edges line or auxiliary line .As shown below

Figure1

Figure

Operation:

As shown in figure 1, use the tool to click or box Side seam line, then click the key points on the pattern, the pop-up is not parallel add or replace dialog box.

Select add or replace , and in the dialog input modifier , finally click the button, the result is shown in figure 2 shows, bust up 1 CM, waistline increase 0.8 CM, hem increase 1.2 CM.

Note: Enter a positive number to increase pattern, enter a negative pattern is reduced.

Arc Spread

Function: On the structure or pattern or in the blanks do circular arc expand .

Operation:

Structure of the line

1.With the tool click or box to choose need operation line of structure , click right;

2.Near the fixed point click not telescopic line, if there are box choose click right ;

3.Click the telescopic line, pop-up arc 【 Arc Spread】 dialog box ;

4.Enter the appropriate values, click ok .

The pattern on

1.Use the tool Near the fixed point click not telescopic line, if there are box choose click right ;

2.Click the telescopic line, pop-up arc 【 Arc Spread】 dialog box ;

3.enter the appropriate values, click ok .

In the blank space

Use the tool, in the blanks space click,in the pop-up 【 Arc Spread】 dialog box input need values, click ok.

circular arc cutting Angle

Function：Do known arc radius and at the same time with two unparallel lines tangent arc.
On two section line operations .
The following figure， A click or box to choose two lines, pop-up arc cutting Angle dialog .
Enter the appropriate values, click ok .As shown in figure 2

Figure

Figure2

A line operations：Move the cursor in the middle point of the line segment , click left key, in the pop-up for input radius, sure can.

Corresponding line length/calibration xy values

Function：use Multiple line of grading and ，to single point grading , as shown below，Front and rear pieces put on the waist line to waist grading

Operation：

1.Select the tool, use the SHIFT key can in the X direction grading and Y direction grading between switch;

2.Click or box choose need to grading line, star for the need to grading of point, click right， As shown in Figure 1.

3.Click on the or box choose line of reference respectively,As shown in Figure 1.

4.FIG. 3 for the final result.

Figure1

Figure2

Figure3

Rotating province

Function：Add a province on the pattern ，in waist of figure A add a province become a graph B, waist length unchanged .

Figure A

Figure B

Operation：

1.Use the tool in figure A line A (the auxiliary line also can use this tool to draw) click， then click points E and F, respectively (both for hip points are not altered).

2.Move the cursor to the right position click,pop-up rotating province dialog box .

3.In the dialog box enter the appropriate amount of province, sure can.

The overall amplification / narrow pattern

Function： To enlarge or reduce the entire pattern parallel.

Operation：

With the tool click or box to choose the pattern click right, drag the mouse and click the pop-up Put shrinkage dialog box;

Enter the appropriate number, sure can .

Scale

Function： Structure lines or patterns， in proportion enlarged or reduced to the specified size.

In the structure line operation ：

1.Use this tool to select structure line a line or two points, the pop-up scale dialog.

2.In the new length input new length or proportional to input the right proportion, sure can

On the pattern operating ：

1.Use this tool to select a Edge line or auxiliary line in the pattern, or choose two control points, the pop-up scale dialog box;

2.In the new length input new length or proportional to input the right proportion, select operating on objects ,sure can.

[scale] dialog parameter description:

1.Select the current operation pattern: express only to choose curve or control points of the pattern Conduct Proportion zoom.

2.Select the works pace pattern:all the patterns Conduct proportion zoom in the work place;

3.Select all the pattern: to all the patterns of in the style Conduct Proportional scaling.

Note:to structure line Proportional scaling not affect the pattern size, the same patterns Proportional scaling not affect the structure line size.

Modify the snip type

Function: Modified single cut mouth or multiple cut mouth type.

Operation:

Modify the pattern on the part of the shear type

1.Select the tool, with the left key click need to modify the snip respectively, strike right, pop-up modified snip type dialog box;

2.Choose the required snip type, enter the appropriate values, sure can.

Modify the selected shear type of pattern

1.Selected the tool, click the need to modify the snip pattern, strike right, pop-up modify snip type dialog box;

2.In "the old snip type" choose the type of need to modify, in the "new shear type" select new snip type and input the width, depth, etc., can be determined.

The types of pruning to modify works pace or the entire file .

1.The need to modify the pattern notches into the work area.

2.blank space click in the work , pop-up modify snip type dialog box.

The perspective of set-up (x, y)

Function:

adjust the Angle of one side of the grading point to make the code equal Angle. Diagram below adjustment point B X or Y direction put code amount, make A of the code angles are the same.

Before operating

After the operation

Operation:

1. Select the tool, use the SHIFT key switch calibration X direction (or calibration Y direction);

2. Click the first adjustable grading point B, and then click the guarantee equal point A in the Angle of each code, then click the grading Angle on the other side of the point C.

The perspective of extended line

Function: to extend Angle on one side of the line length, make each code point of view, the same.

As shown in the direction of the AB extension point B, the Angle A of the code degree.

Operation:

1. Click the point B, each in the tool (mobile), point A and point C, the pop-up dialog box;
2. Enter the appropriate value, can be determined.

Gear differential annotation

Function:

To grading pattern with poor mark.

Operation:

1.Click on the display menu - gear differential labeling.

2. Click with the tool in the workspace margin will pop up adding annotation dialog box;

3. Choose the appropriate option, make sure can.

For some poor grading point add file annotation:

Use the tools click or box need to add file selection of grading points.

Delete file annotation:

Hold down the SHIFT key, click, use the tool in the workspace margin in the pop-up dialog box, select the appropriate options can be determined.

For some poor grading click delete file annotation:

1.Hold down the SHIFT key, click with the tools or box selected need to delete the file of grading points;

2. Move the tool cursor to mark, mark brighten after press the DELETE key to DELETE annotations.

Change the label position:

Highlighted in the tool click and drag to the target location.

Laser template

Function:

used to set the width of hollow out. Commonly used to make the laser template.

Operation:

1. Use the tool to click the pattern line (or auxiliary line), or click the two control points, the pop-up dialog box template laser.

2. Enter the appropriate data, determine the can.

Modify parameters:

right-click on the template lines can pop-up dialog box template laser modification parameters.

Side piece generated

Function:

Do package side, in front of the bag piece, back piece, on the basis of the use of the tool in side.

Operation:

1. Do two overlapping pattern, as shown in figure one;
2. Select the side generation tool, click larger paper separately according to the clockwise direction of edge AA1 two points, the line segment to red, then click the small Paper BB1corresponding edges, pop-up "side piece generated" dialog box;

figure 1

figure 2

3. Enter the appropriate values, click ok, side can be generated, as shown in figure 2.

【 side piece generate 】Dialog:

【The first slope length】Select the corresponding to the 1th of side height;

【The first gap】Display data for the first slope length minimum height;

【The second slope length】Refers to the selection of the third side of the slice height;

【The second gap】Display data for the second slope length minimum height;

【Asymmetry】Asymmetric open side of the piece of paper, namely;

【In the first slope symmetric】As the first slope long-term open side of the piece of paper for symmetric axisymmetric case;

【in the second slope symmetric】long open side of the piece of paper for symmetric axisymmetric case.

Add, modify, pictures

Functions:

add images on the pattern (LOGO), and with the pattern.

Operation:add images

1. Select the tool, the following graph, move the cursor on the point A carriage returns, and in the pop-up dialog box,【mobile quantity】the offset of the input image, and he【sure】point;

2. Click again drag, pop-up【images】dialog box, open the pictures, diagram below.

3. Use Choose the pattern can be selected to image edge control point, use a little put clock put code, only one of the points, the following chart. (or click【images】dialog box at the bottom right, the picture's code) can also be used to.

【images】dialog box shows:

1. Browse: to open the picture path;
2. Changing proportion of aspect according to the original images, checked, the image changes in the proportion of the original figure;
3. The transparent display: check, image transparent display;
4. Size/Angle at the origin:

- rectangular vertices: the rotation of the image fixed position for rectangular vertices;
- rectangular center: according to the display rectangle center for rotation fixed position;

5. Vertex: rotating pictures of four vertices are free to choose;
6. Angle: refers to the degree of rotation.

Modify images:

1.Right-click on the picture with the tool or adjust the tools, pop-up 【images】dialog box, replaceable images, modify the image width, Angle and other information;

2. Click on the image left key selected pictures, the following figure;

3. According to the different location of the mouse cursor on the picture for different operation:

	When the mouse moves to red rectangular box, mouse into a shape as shown in figure, click move the mouse to the appropriate location Then click left key.
	When the mouse on the border line around rectangular box, mouse into shape as shown in figure, drag the mouse click to the appropriate location And then click left key.

	The above method.
	When the mouse on the four vertices rectangular box, mouse into shape as shown in figure, move the mouse click, the picture to select the vertices of diagonal fixed rotation, click left key again can rotate to the appropriate Angle.
	When the mouse on the four vertices rectangular box, press the Ctrl key at the same time, the mouse into a shape as shown in figure, click mobile mouse, and then click the left to the appropriate Angle

4. Pictures after modification, clicking left key, in the blanks to cancel pictures selected

parallelogram

Function:

The known parallelogram of two adjacent edges and angles, a parallelogram. This function is commonly used in bags.

Operation:

1.Use the tools work area in the margin or the pattern on the drag then click click the pop-up dialog【parallelogram】.

2. Enter a parallelogram side length and Angle, sure can.

trapezoidal

Function:

for a trapezoidal structure line or on the pattern for a trapezoidal auxiliary line. This function is commonly used in bags.

Operation:

1.Use the tools work area in the margin or the pattern then click click on drag, the pop-up dialog box;【trapezoidal】

2.In the dialog input above, below and the size of the high, choose the appropriate option.

Zipper window

Function:

Set the zipper window on the pattern. This function is commonly used in bags.

Operation:

1. Select the zipper tool window, press the SHIFT key to switch between and ;
2. Use the tool click drag and then click on pattern, the pop-up dialog box 【zipper window】;

3. Enter the appropriate data, determine the can.

Parallel design

Function:

used for making parallel lines in the pattern or structure.

Operation:

1. The following figure use left-click on the line a and line b, line c after the strike right, the pop-up dialog box;【parallel design】

Figure-1

Figure-2

2. In the dialog input parallel lines, the spacing between above two, click [sure] to go.

Scissors (with replace pattern dialog)

Function:

Used for paper cutting, and replace the pattern dialog box, can replace the original pattern informa -tion.

Operation:

Paper cutting operation the same sample with scissors. Cut out the pattern popup to pick up 【the pattern over】(condition that file must have a pattern).

Option Replace an old pattern , generates a new pattern, and not the pop-up dialog, if checked Edit pattern info , will pop up the following dialog box 【pattern information】 ;

Option Replace an old pattern Old pattern index , input the old pattern of serial number to replace the old pattern.

Fabric line (the code in a different direction)

Function:

Set grading pattern each code of fabric line in a different direction.

Operation:

1.If the interface right foot showed match all code, press the F11 key to switch the interface right foot for matches a code;

2. Use the tool, in turn, click on the pattern of the two control points (modify the yards of cloth grain line, just select the code on the two control points).

Split button (drilling,Grommets)

Function:

Used to break up related drilling group, eye group. After the splitting of the borehole (eye) grading, no longer a connection between drilling (ring), can put the yards.

Operation:

Use the tool in drilling click split the drilling (button).

After the splitting of the drilling grading

Drilling grading of didn't break up

The custom curve

Features:

1.Save the custom curve;

2. Modify the properties of the "custom curve" (level), spacing, such as star curve triangle curve.

Operation:

save the custom curve:

1.The first form of painting to save, and control of linear position point (the point must be specified), the following figure;

2. Left-click or box with the tools to choose cardioid strike right, after reoccupy left-click on the point, will pop up 【save as】dialog box.

3. The input file and click save.

Anchor point position is different to the linear position is also different.

Figure A 'to preserve the figure of A linear change in figure C lines;
Figure B 'to save the image of linear B lines in figure C.

Change curve of the custom attributes

1. Use the tool to click on the custom curve, the pop-up dialog box; 【custom curve 】

2. Enter the appropriate value in height, spacing, sure can.

【custom curve】 parameter dialog:

1. Height: refers to the highest height of the graphic;

2. The spacing: refers to this "custom drawing", the minimum distance between adjacent graphics;

3. Custom stretch: below for such a long line, straight line just want to check or not check the customised stretching. Line a to check this option, line b to did not check the option of the straight line just to distinguish (figure).

Line-a,Check this option

Line-b,Did not check this option

Proportion of grading

Function:

Input the pattern in the horizontal and vertical direction of the file is poor, can be realized on the pattern of the line and internal line automatic grading, often used for grading bedding.

Operation:

1.Set up good shape in shape editing;

2.Click on the icon, if the code file is poor, enter the code within the dialog, respectively, the size of the poor, select the appropriate option, according to "code", the pattern can be in accordance with the input file and grading;

3.If the code file is poor, same in adjacent to the codons in the shape of the input file, select the appropriate option, according to "code", the pattern can be in accordance with the input file and grading;

4.The proportion of grading can not put line. Processing: only auxiliary line, circle, strings, button, button, drilling. Check the 【line put yard can make the edge line】 according to the specified file is poor grading.

Angle bisector

Function:

Diagonal are equal. Line in the structure and the pattern are able to do, the same operation.

Operation:

1. The box to choose or click on the two intersecting line;
2. In the quick toolbar "equal parts box" input number, drag the cursor click, pop-up dialog box 【Angle bisector 】 ;

3. The length of the input Angle bisector, choose the appropriate option, sure can.

Dialog box 【Angle bisector】description:

The length of the form input values: said Angle bisector according to the form of input data processing;

And choose the first thread length: first choice when click on the line segment length, box selected choose two lines of arbitrary length as Angle bisector length;

And the point of intersection of two endpoints: the end of the Angle bisector will fall in line on the attachment of two endpoints;

Fellowship with the selected lines: Angle bisector of the finish on the choice of line (this should only be used when clicking left key segment selected);

Draw 0 Angle bisector: if there are multiple Angle bisector, can only draw one.

The hidden part of the auxiliary line

Function:

Pattern of auxiliary line a lot, in order to put yard or matchups look more intuitive, can put the hidden part of the auxiliary line.

Operation:

Press Shift + U keyboard, the cursor becomes , click or box choose guides can be hidden.

Show hidden guides

Function:

As the name suggests, to hide the guides to show again.

Operation:

Press Ctrl + U can.

Section 9 The menu bar

The document menu

The document(F)

New(N) ...	Ctrl+N
Open the(O)	Ctrl+O
Save(S)	Ctrl+S
Save as(A) ...	Ctrl+A

Save to the gallery(B)

Safety restore···

File merging（U)...

Automatic sheet...

Open AAMA/ASTM format file

Open TTTP format file

ASTM output file

The print shape specification table(T)

Print pattern information sheet(I)...

Print the data list as a whole(G)...

Print pattern(P)...

Setting up the printer(R)...

Number of the board set（E)...

1 5redesign.dgs

2 To draft 1.dgs

3 The princess line women's clothing.dgs

4 Denim jacket.dgs

5 Enough clothes 2.dgs

Exit(X)

- **Save as (A) Ctrl + A**

Function:

This command is used to do a backup the current file.

Operation:

Click on the 【document】menu-【save as】pop-up【save as】 dialog box, type a new filename or in a different path, you can save the current document, more detailed content, please refer to 【save】.

● saved into the gallery

Function:

With 【add/adjust process picture】 tool manufacture craft gallery.

Operation:

1.Box with to add/adjust process tools click choose target line after the strike right, diagram below.

2. The structure of the line is a dotted line frame;

3. Click on the menu 【documents】 - 【saved in the gallery】, pop up【save to the gallery】dialog box, select the store path enter a name and click 【save】.

● Safety restore

Function:

Due to power outages have no time to save the file, use the command can be retrieved.

Operation:

1. Open the software;

2. Click on the menu 【documents】, safe 【recovery】, pop up【safety recovery】 dialog box;

3. Select the file, click on the 【make sure】.

Note:
Be considered to restore security effective【option】menu -【system Settings】-【to be automatic backup】, check【use the automatic backup】option.

● file merging

Function:

The filename different files together.

Operation:

1. Open a file, such as 001;

2. Click on the menu 【documents】-【file】, pop up【open】 the dialog box, double-click on need to merge files.

Article:
The shape for merger and corresponding codons are the same.

● with automatic version

Function:

Play version of the file transfer into formula method, can change in size table size you need.

Operation:

1.Click on the menu【documents】,【to be automatic】, pop up【select】 style dialog box.

2.Double click on the required design, pop up【automatic】dialog box (on the left as the schematic, on the right for the chart, the lower right for the size table), the size of the data can be modified according to the actual situation, (also can click 【dimension table】 after button, choose good personnel data is measured by the 3 d measuring equipment);

3.Click on the【sure】to load the system pattern and structure of the system.

- **Open AAMA/ASTM format file**

Function:

Can open the AAMA/ASTM format file, the format is the international general format.

Operation:

1. Click on the menu【documents】-【open AAMA/ASTM format file】, pop up 【open】 the dialog box

2. Select the store path, double-click to open on the file name.

【Open】dialog parameter description:

Zoom: according to the actual situation can choose the ratio of different input in this software;

Read the text text: check, character after the original text input file exists, or only input pattern; **Read-only codons:** check, even if the input is also only codons code documents, otherwise the original document all shape input;

Conversion seam: check, after have a seam of the file input joint report showing (seam below shows the original seam in the form of shadow copy of line location), after the file input to guides show otherwise.

● Open TIIP format file

Function:

Used to open the Japanese *. DXF pattern file, TIIP is Japan file format.

Operation:

1. Click on the 【document】 menu -【open TIIP format files】, pop up 【open】 the dialog box.

2. Select the store path, double-click to open on the file name.

Note: read the string T text font, font default system Settings such as read Japanese Japanese font file can advance the T word set (single option food - font - T font for the letters - set - MS Gothic, choose Japanese character set).

● Open AutoCAD DXF file

Function:

Output is used to open the AutoCAD DXF file, and can generate structure line.

Operation:

1. Click on the【document】 menu -【open AutoCAD DXF file】, pop up 【open】 the dialog box.

2. Select the store path and choose the appropriate option, double-click to open on the file name.

● Open gerber (GGT) style

Function:

Output is used to open the gerber file.

Operation:

1. Click on the【document】 menu -【open gerber (GGT) style】, the pop-up dialog box select the case【file type】;

2. Select the appropriate file type, click on the【sure】;

3. Select the relevant documents can be determined.

- **ASTM output file**

Function:

put the software file into ASTM format file.

Operation:

1. Use【open】 command to open output file;
2. Click on the "document" menu - 【output ASTM document】, pop-up 【save as】 dialog box.

3.Select the save path, enter the file name, click Save, the pop-up dialog box **[output ASTM] ;**

4.Select the appropriate option, then click **OK**.

[output ASTM] dialog parameter description:

Only output base code: Select the item, even if the code file output is only on the basis of the code output;

The output of all sizes (rul file): Select the item, the output file in addition to the DXF file and a RUL file with the same name. If the code file of the code of the buckle (hole) or eye number is not at the same time, based on the number of code to output. This option does not line, quilting stitch line output;

The output of all sizes (no rul): Select the item, and all the output files are in the DXF file. The option for sewing thread, sewing trace output;

Gyrosigma line level: This option is checked, the output pattern is a pattern Gyrosigma horizontal rotation;

Add Control Point: Checking this option will increase the control point on the curve of the output file.

Output notches: Check this option, the output file is output with notches same pattern, or do not output notches;

Convex notches (part of the sideline): Check this option to change the output pattern of inner

notches "convex notches," in fact, as part of the convex notches also sideline;

Notch position increased control points: Checked,when output notches notches below the control point, otherwise there is no point under the control notches;

Output pattern Caption: Checked, pattern data output pattern "description" content together in the output, and T text displayed on the pattern, otherwise explain the content does not output;

Output characters English characters: Tick,Chinese,Two lines of text under both Chinese character output pattern output or otherwise;

English characters.Original text **line:**Check the output of this, **Net like line output as the auxiliary** net-like line will assist line.

when read with Lectra software,

- **Output AutoCAD file**

Function:

The present software file into AutoCAD's dxf format files.

Operation:

1.With the "open" command to open the file you want to output;

2.Click [**documentation**] menu - [**output AutoCAD files**] , the pop-up [**Save as**] dialog box;

3.Select the save path, enter the file name, click Save, pop AutoCAD DXF file **[output]** dialog box;

4.Select the appropriate option, then click OK.

- **Print resolution Specifications table---Print**

Function:

This command is used to print specification table.

Operation:

Click [**documentation**] menu - [**Print resolution Specifications Table**] - [**Print**] to.

Print resolution Specifications table --- Preview

Function:

This command is used to preview the specification table.

- **Print pattern information**

Function:

For details of the print pattern, such as the name, description, pattern fabric, number.

Operation:

Click [file] menu - [print pattern information], pop-up [printing plate cut pieces of a single dialog box, select the appropriate option, click [Print].

The parameters of the printed sheet sheet sheet:

[All Pattern]The command is the default value of the dialog box, press [**Print**] will put all the view of the pattern file and pattern information to print out one by one.

[Workspace pattern]This option only print work area pattern. First need to print information pattern in the workspace, and then select the options, click [**Print**] will out of the work area of the pattern in figure and pattern printing.

[Preview]Click the pop-up preview interface.

Note:
If the printed text is garbled, please see the "Options" menu - "System Settings" - "Interface Settings" - "Language Selection", select and use the appropriate language version of it.

• Print overall factsheet

Function:

Pattern used to print all the information, and centralized display together.

[Print general information sheet] Parameter Description:

[Form Name]: The title refers to print or export the file, you can change some form name.

[All shapes]: The default is to print all shapes pattern data,click to remove the tick,to the click in the drop-down list to select the desired size, one can only print a pattern of all sizes.

[All cloth]: For the use of different fabric pattern,the default pattern is all print all

information,click to remove the check, can choose to print a cloth pattern in the drop-down list.

[Preview]: You can see a list of the selected pattern information.

[Export EXCEL]: Overall export EXCEL spreadsheet data file, as shown below.

服装电脑制板总体资料单

2011-10-9

款式:5100202 | 电脑档案名:C:\Documents and Settings\Administrator\桌面\test.dgs

简述:

客户: | 定单号: | 纸样个数:17 | 号型(码数)个数:3

布料:面 | 号型(码数):S

纸样名		数量	剪口	钻孔	净样		毛样		说明
					面积cm2	周长cm	面积cm2	周长cm	
	前上第一层	1	0	0	203.97	103.83	315.65	112.12	
	后上第一层	2	0	0	92.32	43.28	142.26	52.62	
	第一层袖	2	2	0	144.58	58.41	196.13	64.6	
	后腰带	2	0	0	1190.32	143.51	1379.03	153.67	
	裙下第一层后幅	2	1	0	574.78	101.22	723.8	111.79	
	前上第二层	1	0	0	179.23	71.48	253.65	81.48	
	后上第二层	2	0	0	92.32	43.28	142.26	52.62	
	第二层袖	2	2	0	144.58	58.41	196.13	64.6	
	裙下第二层前幅	1	0	0	1149.56	168.02	1330.6	175.82	
	裙下第二层后幅	2	1	0	574.78	101.22	689.98	109.88	

总 计: 净样(面积=8309.66cm2 周长=1609.98cm) 毛样(面积=10234.93cm2 周长=1766.73cm)

Operation:

Click [documentation] menu - [general information sheet Print],print general information pop single] dialog box, make the appropriate settings.Choose preview or print, you can.

Note:

If the printed text is garbled, please see the "Options" menu-"System Settings"-"Interface Settings"-"Language Selection", select and use the appropriate language version of it.

- **Print pattern**

Function:

To print the pattern or sketch on the printer.

Operation:

1.The pattern or sketch to be printed displayed in the work area;

2.Click [**documentation**] menu - [**print pattern**], [**print pattern**] dialog box pops up.

3. Click OK, then.

• Printer Setup

Function:

To set the printer model and paper size and orientation.

Operation:

1.Click [**documentation**] menu - **[Printer Setup]**, **[Print Settings]** dialog box pops up;

2.Select the appropriate type of printer, and print direction and the size of the paper, can be determined.

• Output pattern list to Excel

Function:

The pattern-related information,such as the pattern name, code, description, number of copies, shrinkage, perimeter, area, pattern maps input to Excel table,and generate.Xls format file.

Operation:

1. Click [**documentation]** menu - [**Output Pattern list to Excel]**, [**Print Settings**] dialog box pops up;

2. The output of the pattern, and select the output information, click the "export Excel can be exported," diagram below.

	A	B	C	D	E	F	G
1	纸样清单						
2						2012-7-24	单位: cm
3	款式:40B0113001						
4	序号	纸样图	名称	布料种类	份数	净样周长	毛样面积
5	1		后中	面	2	178.88	1421.7
6	2		大袖	面	2	155.09	1297.45
7	3		小袖	面	2	137.5	737.33
8	4		挂面	面	2	206.82	989.23
9	5		前中	面	2	279.77	1569.13
10	6		前里	里	2	152.66	845.31
11	7		侧里	里	2	134.57	762.23
12	8		侧片	里	2	133	699.42

- **Number of the board set(E)**

The [number of turn plate setting] parameters:

Number plate choice: This does not need to select models, software before they go out, manufacturers have been used by customers according to the number of the plate model is set up;

Number plate width: Specification for setting up a number plate;

Port: The name of the port used to select the number of connections to the board;

Key settings: It is used to set the functions of the keys on the sixteen-button mouse;

Select the default key function setting: After selecting the corresponding number of key board mouse will use the system default default settings;

Number plate menu area: Used to set up the ranks of the number of the board menu area;

Accuracy: For precision adjustment of reading drawing interpret the images. Methods:hand draw a rectangle X 50CM 50CM,Read into the computer through a digital board,measure the longitudinal length of the actual measurement,Input to adjust the precision of the dialog box, you can;

Print menu: After setting finished rows and columns of the menu area, click the button,The system will automatically print out the number of the [**board Menu**];

Edit menu: Click the edit menu, will pop up a number of free editing area,this can be set the common pattern,convenient in the pattern name read directly interpret the images.An editor to set a pattern name;

Explanation: Number plate menu is the system Settings of a map reading the menu,after printing out the stick in the corner of the plate number,convenient mouse input pattern in the number of board information directly.How to set the reference please interpret the images.

- **Recently used five documents**

Function:

You can quickly open recently used five files.

Action:

Click [documentation], click to choose a file name, you can open the file.

- **Drop out**

Function:

This command is used to terminate operation of the system.

Action:

Click [**documentation**] menu - [**Exit**],you can also press the title bar (the Close button).Then if the open file is not saved,it will prompt a dialog box asking if you save.Press [No], then shut down the system directly,press [Yes], if the document has not been saved once,save the [**document will appear as**] dialog,after selecting the path Press [**Save**], then shut down the system,if the original saved, only recently did save a few steps,press [**Yes**], the file will be saved to the original path and shut down the system.

Edit menu

- **Cut pattern Ctrl+ X**

Function:

The command is used with paste pattern, the selected pattern shear on the clipboard.

Action:

1.With the selection tool selected control point pattern requires a shear pattern.

2.Click [**Edit**] menu - [**Cut pattern**], you can.

- **Copy pattern Ctrl+C**

Function:

This command is used in conjunction with the paste pattern, the selected pattern copied to the clipboar**d.**

Action:

1.With the selection tool to select pattern control points need to copy the pattern;

2.Click [**Edit**] menu - [**Copy pattern**], you can.

- **Paste pattern Ctrl+V**

Function:

The command and the pattern with the use of the copy, copy the pattern in the clipboard paste in the currently open file.

Action:

1.Open the file you want to paste the pattern;

2.Click [**Edit**] menu - [**Paste pattern**], you can.

- **Assist curve control point to grading (G)**

Function:

The pattern of auxiliary lines are put into code point.

Action:

1.Click to select the pattern;

2.Click [**Edit**] menu-[**Assist curve control point to grading**],Pop-up[**All control points are grading point**] dialog,Select the desired point of the auxiliary line pattern we are within a variable grading points.

- **Assist curve control point to nongrading (N)**

Function:

The inner pattern of Assist curve control point to nongrading .Operation with the auxiliary line turned grading points are the same.

- **Auto arrange patterns**

Function:

The work area of the pattern is arranged according to the width of the drawing paper, eliminating the manual arrangement of trouble.

Action:

1.The pattern needs to put in the work area arrangement;

2.Click [Edit] menu--[Auto arrange patterns],pop up[**Auto arrange patterns**] dialog box;

3.Set pattern gap, click the code can not be excluded that it has no fill,the following figure M code, click ok;

4.The work area will be set in accordance with the pattern width automatic paper arrangement.

- **Save patterns postion**

Function:

When the workspace arrangement pattern is completed,carried out[**Save patterns postion**]the system will remember each pattern of placement in the work area.To facilitate the application again.

Operation:

1.Arrange the pattern in the work area;

2.Click [**Edit**] menu--[**Save patterns postion**],pop-up [**Save postion**]dialog.

3.Select a storage area, you can.

- **Load patterns postion**

Function:

The document [**Save patterns postion**] has been executed,then open the file, using the command can restore the last pattern in the work area location.

Operation:

1.open the application[Command pattern location memory] in the workspace file;

2.Click **[the edit menu]-[restore memory location recovery pattern], pop-up[position]** dialog box;

3.Click the correct storage area, you can.

- **Copy a bitmap**

Function:

The command with the to join / adjust the process picture with the use, will choose the structure of the picture in the form of the copy on the clipboard.

Operation:

1.With add / adjust the process picture tool left key box to select the right button after the design,as shown below;

1.Chart is a dashed frame live;

2.Click **[Edit]** menu-**[Copy bitmap]**,the selected chart is copied;

3.Open OFFICE software, such as EXCEL or WORD,the use of these software paste commands,copy the bitmap on the software,can assist writing process.

- **Create picture of patterns**

Function:

The pattern generates a separate one by one or all of the pattern image to generate a picture.

Operation:

1.Open a file pattern;

2.Click [**Edit**] menu - [**generate pattern image**],pop up [**picture**] dialog box;

3.Select the appropriate options as needed,click on "OK",bring up the file "Save As" dialog box,then click the "Save" button can be.

Pattefrn menu

- **Style info**

Function:

For the common input information of all files in the same pattern.Information entered in the style data can be displayed in wove line,and can be transferred to the discharge system, along with the output pattern.

Operation:

Click [**pattern**] menu-[**style info**] data,pop up [**style information box**],input related details,click the corresponding [**set**] button.Finally, click **OK.**

[Style information]Parameter Desfocription

Editing the dictionary:

Click the corresponding editing the dictionary,enter a higher frequency of information and save it,click next to the triangle button when using,in the drop-down list, click the required text.

[Name] Means to open the file name;

[Comment]A simple explanation on the file, the information is not displayed in the pattern;

[Customer]Can be indicated for the customer to do the file;

[Order]This can open the file of the original input order number;

[Pictur]Display style graph storage path;

Click the button to find the corresponding style diagram,then open the file, check the menu to show the style of the map, the pattern is displayed.

Fabric:If you enter the name of the file with all the fabrics in the fabric, you can select the pattern profile;

Colour:Click the color under the table, the display color can be set in the corresponding pattern fabric in the list box;

Cloth under [set]: Click [setting], the pop-up dialog box [cloth],unified set all the pattern of the fabric.If you select the "face", all the files in the pattern of cloth surfaceIf there is an individual pattern is different fabric, set and then in the "pattern data" dialog box.

- **Pattern info(P)**

Function:

Detailed information about the currently selected pattern editor. Shortcut: in the garment pattern and double click on the list box.

Operation:

1.Select a pattern, click the [**menu**] - [**pattern pattern data**],[**pattern Profile**] pop-up dialog box, enter the information,Press [**application**] button.

2.If you need to edit the information for other pattern, you can not close the dialog box,Press **[Application]** and then select the other pattern edit it.

[**Pattern info]** explanation:

1.**[Name]**:The name refers to the selected pattern;

2.**[Comment]:**There are special instructions on the selected pattern, this input, such as embroidery;

3.Switch:The name of the pattern, the pattern that can be used to change the text is too long,Press the Enter key to move the cursor in need one position.

4.Enter the name of the cloth:If you enter the name of the fabric in the style profile, you can select the pattern profile.

5.**[Copies]** if an even number,[**Orientation**] in the next column check around,left option is automatically selected,so in the layout of another pattern is right;

6.**[Copies Differ]:**Checked, the size can be a different number of input pattern;

7.**[LRCopies Differ]:**Checked, about can copies of different input pattern;

8.Used to expand or shrink the dialog below.

- **Global data**

Function:

Check the file total area or perimeter of different fabrics, as well as the single pattern area, perimeter

Operation:

Click the **[menu] - [general pattern data],**pop up **[overall data]** dialog box,you can view the required data.

Explanation:

[Single] checked, the pattern of the area, perimeter is 1 pattern calculation.

- **Delete select patterns(D) Ctrl+D**

Function:

Delete the selected pattern in the work area from the tablet in the list box.

Action:

1.To delete the selected pattern;

2.Click **[pattern]** menu - [**Delete selected patterns**],Or use the shortcut keys **Ctrl + D,** the dialog box;

3.Click [**Yes**],the selected file is deleted from the pattern,click [**No**] to cancel the command,this pattern has not been deleted.

- **Delete all pattern in working area**

Function:

All the work area is removed from the garment piece pattern list box.

Operation:

1.The need to remove the pattern in the work area;

2.Click the [**menu**] - [**Delete all pattern in working area**]

3.Click [**Yes**],the selected file is deleted from the pattern,click [**No**] to cancel the command,this pattern has not been deleted.

• Clear select patterns!(M)

Function:

Clear modify operation of the currently selected pattern, and the pattern back into the clothing pieces in the list box. For several revisions before returning to the situation before the amendment.

Operation:

1.Click [**pattern**] menu **-[Clear select patterns]**

2.Selected in the working area of the pattern is cleared, and return to the pattern list box, if you want to operate on the pattern, then they would have to again to the pattern list box to the pattern.

Note:

Clear pattern only the currently selected pattern back into the pattern window from the work area, even if the pattern has been modified, back into the same pattern window also operating before the invalid operations in the workspace, and delete the pattern is different.

• Clear pattern grading(C) Ctrl+G

Function:

Grading amount to clear pattern;

Operation:

1.Select the pattern you want to clear the amount of grading;

2.Click **[pattern**] menu - [**Clear pattern grading**],pop up[**Clear pattern grading**] dialog;

3.Select the first option and click OK you can.

Explanation:

If the pattern on the work area or all of the command operation pattern, click the command.

• Clear assist curve grading(F)

Function:

For the code is placed to delete the auxiliary line pattern.

Operation:

1.Select the auxiliary line to be deleted grading amount of pattern;

2.Click **[pattern**]menu-**[clear pattern grading guides]** pop-up **[clear guides oncode]**dialog box;

3.Select the first option and click OK you can.

Explanation:

If the pattern on the work area or all of the command operation pattern, click the command.

• Clear corner notch

Function:

Remove pattern for the corner notches.

Operation:

1.Select the pattern you want to delete the corner;

3.Click **[pattern**] menu - [**Clear corner notch**],pop up[**Clear corner notch**] dialog;

4.Select the first option, click OK.

Explanation:

1.If the pattern on the work area or all of the command operation pattern, click the command.

2.Cut the corner cut with this command is made of a corner cut.

- **Clear text of patterns(T)**

Function:

Clears the pattern t tools used in written text. (Note: does not includefabric lines and information text)

Operation:

1. Select the **[T]** word patterns;
2. click the **[pattern]** menu-**[clear patterns in the text]** pop-up **[text onclear pattern]**dialog box;
3. Select the first option and click**[**OK] .

Explanation:

If pattern all patterns or operation on workspace this command, click thecommand.

- **Delete all assit curves in pattern**

Function:

To delete assit curves in pattern.

Operation:

1. Select Delete Guide patterns;
2. click the**[pattern]** menu-**[delete all guides pattern]** pop-up **[delete all guides pattern]** dialog box;
3. Select the first option and click **[OK]** .

• Delete all temp assit curve in pattern

Function:

To delete temp assit curve in pattern.

Operation:

1. Select the pattern to be deleting temporary guides;
2. Click the**[pattern**] menu-**[delete all temporary pattern Guide]**pop-up**[delete all guides pattern]**dialog box;
3. Select the first option and click **[OK]**.

Explanation:

If pattern all patterns or operation on workspace this command, click thecommand.

• All patterns hang up(U) F12

Function:

All the pattern out of the workspace of the workspace.

Operation:

Click **[pattern**]menu-**[All patterns hang up**], or use the shortcut key F12.

• All patterns down(Q) Ctrl+F12

Function:

The pattern all patterns of a list box in the work area.

Operation:

1. click the **[pattern**]menu-**[All patterns down**], or use theshortcut key Ctrl+F12;
2. pattern all patterns of a list box, access to the workspace.

• Redef grainline(B)

Function:

Recovering edited by ridges to its previous state.

2.Click【pattern】 menu-【rebuilding the fabric line】 pop-up 【defined fabriclines】 dialog box;
3. Select the first option and click 【ok】.

Introductions:

If pattern all patterns or operation on workspace this command, click thecommand.

•Guide line automatic grading

Function:

Will be connected with the edge guide edge automatic grading.
1. Select with the sidelines grading patterns;
2. click the【pattern】menu-【automatic grading guides with the sideline】pop-up 【automatic grading guides with the sideline】dialog box;
3. Select the first option and click 【ok】.

Introductions:

1. If the pattern all patterns or operation on workspace this command, clickthe command;
2. by default, guides are automatically placed with the edge size.

• Separation of line and guides

Function:

Edge not associated with a guide. When you use this feature to select theline encoding,grading on the secondary line remains the same.
1. Select the pattern of separation of sideline and guides need to beaddressed;
2. click the 【pattern】menu-【separation of line and guides】pop-up【separation of line and guides】 dialog box;
3. Select the first option and click【ok】.

Introductions:

If pattern all patterns or operation on workspace this command, click thecommand.

• Do the rulepattern

Function:

Painting round or rectangular pattern

1. click the【pattern】 menu-【rule pattern】popup 【create a rule pattern】dialog box;
2.depending on the selected option, enter the appropriate values, and click【ok】, the new patterns can be generated.

• Generate shadows

Function:

All dots and lines on the pattern will be selected to generate shadow, to facilitate you has finished revision, you can see the shadow before the revision.

1. Select generate shadow patterns;
2. click the【pattern】menu-【generate shadow】.

• Show/hide shadow

Function:

To show or hide the shadow.

Click 【pattern】 menu-【show/hide shadows】 shadow before if you use thiscommand to display the shadow command is used to display the hidden status,anti-Before use to hide, then for the show.

• Move a pattern to the structure line

Function:

Will move pattern then moved to the location of the structure line.

1. Select operation patterns;
2. click the【pattern】 menu-【position move the pattern to the structure】pop-up 【mobile pattern to position structures】 dialog box;
3. Select the first option and click 【OK】.

Introductions:

If pattern all patterns or operation on workspace this command, click thecommand.

• Create design lines by pattern

Function:

Pattern generates a new version of the draft.

1.Select generate draft patterns;
2.click the【pattern】menu-【pattern making sketche】pop-up【pattern makingsketches】 dialog box
3.Select the first option and click 【OK】.

Introductions:

If you need internal tuyuansheng pattern into tags, check dialog below theoption you want.

•Guideline parallel

Function:

Position in the pattern. As in pattern bags, waist.

1. Add the guide line:

◆ In ruler display conditions, hold down the left mouse button drag from theruler;

◆ Use the to select pattern control point tool to select two points on the pattern, click

【pattern】menu-point baseline;

2. move to the guide line:

◆ Use the to click baseline adjustment tool to a target location;

◆ Specified size moving guide line: use the adjust the double click on the tool that you want to move to the baseline,guide line dialog box will pop up;

3. Copy the guide line: hold down the Ctrl key,use the adjustment tool, click baseline, baseline dialog box pops up;

4. Remove the guide line:

◆Use the moving guide line adjustment tools to workspace boundaries can be disappeared;

◆Use the select the Eraser tool, click or box to the guide line;

◆Delete all the workspace to the guide line you can press Ctrl + Alt + Shift +g.

Sizes menu

• Size edit (E) Ctrl+E

Function:

1. Edit the shapes sizes and colors, convenient grading;
2. You can enter clothing sizes for easy making,automatic grading usingdata,also detailed size information is backed up.

Operation:

1. Click the 【size】 menu-【size edit】 pop-up【set size specification table】 dialog box;

2. The default for a single group, size, click automatically append row (inthe second line, click aut omatically attach the third row ...), In thefirst column can be lost Into the style of names of parts;

3. In the base code (diagram m) click on the automatically attached code (click the third column, will automatically attach the fourth column on ...), And sizes that can be entered on the first line;

4. In sizes you can enter its parts correspond to the sizes, shapes on theback color box you can set the display of code;

"Set the size specification sheet" parameter descriptions:

【Open】to open the storage size specifications;

【Save】to save the size specifications for later application;

This dictionary is used to save the shape name, classification can save;

The edited dictionary to save the names of parts, classification can save;

【Group】default display group, click the command that displays a singlegroup;

【Import return number file】to open the cheerful technology software files (*. SML)

【The difference within the group】in one case, select the key size, in thevalue box, enter the diffe rence on the command, and then click the icon willautomatically calculate the corresponding value of the code; in Groupsituations, only code work in that group;

【The difference between the group】in Group situations, selecting set basesize, in the value box, enter the difference on the command, and then clickthe icon will automatically calculate the other grouping key values.

• Dimensions variable

Function:

Which is used to store the line measuring records.

Operation:

Click 【shapes】-【dimensions variable】 pop-up 【dimensions variable】dialogbox, you can view the code data,or you can modify the dimensions variable symbols,as follows:click the variable Symb-ol, after it lightens, click the triangular buttonnext to the text box, select the variable symbol, you can also directlyenter the variable name, modify the variable name variable symbol,press【ok】 bu -tton.

Variable symbol:

Display menu

【Status bar】【styler】【piece list box】【shortcut bar】【Designtoolbar】【pattern toolbar】【coding toolbar】【show guides】【Customize toolbar】and【Show interim guides】check thecorresponding content is displayed, otherwise nothing is displayed.

The options menu

• System Setup (s)

Function:

There is more than one tab in the system settings, the system can be set.

Operation:

Click the 【options】 menu-【system settings】pop-up 【system settings】 dialogbox, there are 8 tabs, reset any parameters, click the following button isavailable.

【Length unit】tab shows:

Used to determine the unit of measure used by the system. In cm, mm, inchesand Cun click a four unit, in【precision as displayed】drop down list box,select the precision required. When you select inches, you can select the fraction format and decimalformat.

【Inch fraction format】

When the item is checked, use the fraction format. When it is not checked,use decimal format.

【Do not enter the denominator of a fraction, denominators precision asdisplayed as the default】

If set accuracy 1/16, checked 10.3 and didn't check the 10* (3/16) is the same, all 10 inches of 1 and a half cent.

【Use inches length in score format dialog box displays the exact value】

When the item is checked, length comparing fractions and decimals in a tabletwo displays. When it is not selected, display only fractional format.

【Default parameters】 tab description:

【cut】：

You can change the default cutting type, size, angle, commands (actions).Command: select the crop, when connecting to a cutting machine cutting cuton the outer contour;Select the painting, connecting cutting machine or plotter drawings showM68, as a way of cutting options when conne cting computer CD bed.

Distance between the double cutting: refers to the default distance betweenthe adjacent cutting when cutting.

Digitizer cutting point types:set to "read the pattern" dialog box defaults, such as the grading curve isselected, the cutting key, below the cutting has a grading curve points.

When cutting the one-way: Checked, cutting the distance dialog box is a reference point to recent lycut the distance, otherwise, cutting the distance dialog box is cut a littlemore reference points to the distance.

【Joint weight】:Checked, the pattern after you add a seam allowance, showing joint weight.

【Automatic seam】:Slot through which you can change the default add weight,check afterautomat -ic seam, when after the sample is generated, the system automaticallyfor each tablet plus seam all owances.

【Click on the tip sizet】

Used to set the control point for a structure or pattern size;

Position, used to set a reference point size.

【The punching distance of the province】

Used to set the distance of the DART bored DART;

Used to set waist distance from the waist waist;

Used to set bottom distance from the end of the province by the end ofthe province.

【The punching distance of the province】:

Operation:Setting common punching distance of the province, double-click the text boxthat you want to modify, and enter data, and then press【apply】 button is ineffect.

【Drilling】

Choose drill, refer to connections when cutting the hole cut; choose topaint only, refer to connecti ng a plotter, cutter drill will appear in theform of paintings;Check the Drill or Drill or Drill M43 M 44 M45, when connecting to thecutting room, smashing eye size.

For setting the drill size.

【Pickup sensitivity and Number of pieces】:

Pickup sensitivity : Used to set the sensitivity of the mouse capture, the sensitivity of themouse ca -pture refers to the crawl for the Center in pixels for the radius ofthe circle. Pixel larger scope,usua -lly located in 5-15 between the pixels.

Number of pieces:it is the paper-cut or with the number plate reading chart, pattern number of defaults.

【**Plot paremeter**】tab shows:

【 **line width**】**u**sed to set the line width of the ink-jet plotter;

【**point size**】point size to set the ink-jet plotter;

Set the dashed length of interval;

Set point and lines interval length;

Set dash dot interval length;

【**Fixed length**】 is connected to the original paper in order to guarantee thecutting pattern, set the line on the length of the segment;

【**Cut length**】 sets the length of knife-cut;

On the cutting edge of pattern cutting shape as shown below:

Cut length

Fixed length

the Plotter line type、software dash、 circle dash

System provides 7 kinds of styles in the drawing, select a different type ofline drawing effect look-

The name	Diagram	Select the Plotter line type	After the output diagram	Select software dash	After the output diagram	Select circle dash	After the output diagram
Solid	———	Solid	———	Solid	———	Solid	———
Dashed	— — —	Dashed	- - - - -	Depending on the length, set the interval to draw	- - - - - - - -	Depending on the length, set the interval to draw	
Points and lines	- - - - -	Points and lines	- - - - - - - -		- - - - - - - -		
Dash dot	—·—·—	Dash dot	—·——·—		·——·——		
Custom The dotted line	L D	Shapes drawn with the same shape on the screen	— — —	Shapes drawn with the same shape on the screen	— — —	Shapes drawn with the same shape on the screen	— — —
Round Curve	R D						
Custom song Line	☆☆☆						

s like this:

【Notch type of outside border】

Choose outside border notch use the same type,you can select a drawing or cutting for uniform cutting;

【Outside border】【Inside border】

Required for drawing various lines to draw the line.

【Draw sew border】 Choose drawn net-like lines;

【Draw sew border notch】 Choose ,draw sew border notch.

【Draw grainline】Choose ,when you use a plotting device, draw grainline. **C**utting length and fixed length are activated at this time.

【Draw shadow pattern】 Choose,drawings or prints,draw shadow pattern.

【When cutting the pattern, cutting marks】 Sometimes in cut paper luggage tag when you need to do.

Symmetric tablets

【Mark notches when cutting pattern】Choose, mark notches when cutting pattern,instead redraw the entire symmetrical pieces.

【Combine templates when cutting pattern】 Choose, symmetric pattern painted the sym -metrical(On the symmetry axis is represented by two and a half arcs),Conversely, does not draw t -he symmetrical.

【Combine templates when cutting pattern】 When connecting to a cutting machine with a pen to combine templates when cutting pattern.

【UI Setup】tab shows:

【Pattern lisbox】

Click the 【up, down, left, right】in any one of the option buttons, patternis placed in the corresponding position of the list box.

【Screen size】

According to the actual screen size input, the graphics can be displayed 1:1when Ctrl+F11 is pressed.

【Language】

For switching language versions, such as Chingese (GB) for the simplifiedChinese version, Chingese (BIG5) Chinese traditional version.

【Line thickness】

Refers to the structure, the pattern the thickness of the border, guides,slider to slide more fine lines, sliding to the right lines will become more and more bold.Check using smooth curves, lines displayed for smooth lines, uncheck thedisplay for the zigzag lines.

【Theme】

Store themes can be selected in the next drop down menu.

For the convenience of users, and can only use tools on demand displayed inthe interface. Click this button to set your own custom tools and the righttools.

Note:
Need to 【show】-【Customize toolbar】check can only be displayed.

Theme save as Set the custom tool store, can store more than one topic.

Del theme Unwanted themes can be selected, and then click this button to delete it.

Set color Under the shortcut bar Sets of the same color.

【**Auto save**】tab shows:

【**Use auto save**】Choose the system automatic backups;

【**Save interval**】To set the backup time interval;

【**Save each step**】Refers to each step of the backup operation. People saved each file has acorresponding file name suffixes called bak, and are in the same directoryas the saved file.If you make more than one action, one did not save, use safe recovery.

【**Bakup with same dgs file**】Choose Each file in a directory to save the file that corresponds to the backup,such as a directory to save a Named NV003.dgs, it also has a NV003.bak in the sam -e directory.

【**Fixed path**】(Only allow pattern files to be saved to the set of directories)

Choose【Files only can be saved to fixed directory】save all the files to the specified directory, file not found due toimproper operation.After selecting this item, pattern cannot be saved to a diffe rent directory,you are prompted to save to a specified directory, then only choice can besaved in the specified directory.

【**Save another backup dgs file**】

In normal save files at the same time, check the option is also available inother disk descriptor and then save a document as a backup.

【**Switch setup**】Tab parameters description:

【**View nongrading point**】**Ctrl+K**Choose all the nongrading point is displayed, otherwise does not appear.

【**View grading point**】**Ctrl+F:**Choose all grading points are displayed, whereas does not display.

【**View seam line**】**F7:**Choose all seam line are displayed, whereas does not display.

【**Fill patterns**】**Ctrl+J:**Choose the pattern with a color fill, otherwise not.

【**Turn wheel zoom in/out**(Click for full screen)】**:**Choosr the mouse wheel scroll backward to zoom in, scroll forward to zoom,and vice versa for mobile screens.

【Auto save pattern name in pattern information dialog】: Choose the item,pattern pattern name of the information entered in thedialog box are automatically saved, otherwise you will not be saved.

【Display pattern code in pattern listbox (need restart software)】Choose this option, after you restart the software, enter the pattern codepattern data dialog box appears in the pattern li-st, otherwise does notappear.

【When opening file,change the material color according to the config file】 Fabric color computer A good, cheerful and the computer DATA filesinstallation directory,copy the MaterrialColor.dat file to the computer B'scheerful DATA files installation directory, and check this opti-on in thesystem settings, then opens the file on computer B fabric colors consistentwith the fabric colors appear in the computer A.

【Save shadow pattern to Marker data】Tick this option,if the pattern lines cross or Ringe the pattern ofthe cloth, software tips, please check if a paper pattern.

【Grainline setup】

Tab parameters description:

【Grainline fault Direction】

Paper cut-like ridges that are grainline direction when selected for this grainline;

Click the triangle to the right of the button, the drop down menu to selectthe desired option and corresponding code appears in the text box, and thenclick【 apply】and【 OK】.

【Show pattern Info at grainline】: Choose pattern fabric lines from top to bottom will display 【 patterninformation】 【 style information】 the information set in.

【View info with scale of grainline】: Choose,ridges up and down the text size displayed in the fabric the length of, orappears in the same size.

【View muti size name】: Choose,it is displayed or painted netting all code samples, every code sizes aredisplayed above and below the grainline.

【DataBase setup】Tab parameters description:

First in software encryption locks have to join the database feature, theoption is activated.

【Select or input server】 Such asGCAD-SERVER\SQLEXPRESS;

【User】【Password】: Enter the user name and password;

☐Area and circumference of all the pattern is output to the database;

☐All fabrics pattern information is output to the database;

☐All paper size information is output to the database;

Check box before the box, if you save the file on the current computer, itwill check that content is output to the database computer.

> Note:
> 1. the database transfer can only use cable, cannot be transmitted bywireless network card;
> 2. this database computer in the same domain.

• Using the default settings (A)

Function:

Using the system default setting.

Operation:

Click the 【options】 menu-【use default settings】.

> Note:
> With the default settings, settings that havechanged in the system willchange accordingly. Recommended for normal mode, do not select the defaultsettings.

• Size dialog box is enabled (u)

Function:

√ In front of the command shows that draw the specified line length ororientation or constant adju stment dialog box is displayed, otherwise not.

Operation:

Click the【options】menu-【enable the dimension dialog box】, if you do thisbefore you, before the command is displayed no √, √ after operation showed that if you do this before you √ in front of the command shows that no √displayed after operation.

• Enable the offset dialog box (O)

Function:

√ Shown in front of the command, by adjusting the left tool button adjustthe grading points dialog box, otherwise not.

Operation:

Click the【options】 menu-【enable point offset dialog box】, if you do thisbefore you, before the command is displayed no √, √ after operation showedthat if you do this before you √ in front of the command shows that no √displayed after operation.

• Font (F)

Function:

Information used to set tool tips, t-Ridge on the text, font, size, font,font style,and size of the varia -ble, or you can set the font back to thesystem default font.

Operation:

1. click the 【options】 menu under the 【fonts】, will pop up the 【select font】dialog box;
2. Select the settings you want to the content, click 【set font】 button,popup 【fonts】 dialog box, select the appropriate font, font style, size, andclick【OK】, the result will be displayed in the【select font】 dialog box;
3. If you want to return the system default font, just in the 【default font】button, click;
4. click 【OK】, the corresponding font changes.

• About Richpeace DGS

Function:

Used to view the application version, VID, copyright and other relatedinformation.

Operation:

Click the 【help】 menu-【on the road DGS】 pop-up 【Design】dialog box afterviewing, click on 【OK】.

Concluding remarks

Thank you for reading the cheerful clothing CAD user's manual. This manual is a cheerful clothing CAD software supporting the use of manuals, software updates, adds some new features, and will also remove or improve some existing functions, will also make corresponding changes to the method of operation or infterface, this book may be the software you are using different, the actual function and operation of the software shall prevail.

Road the company has on the road of apparel CAD system using manual modifications and final right to explain.
If you have any questions please get in touch with us in the following ways.

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