CutPlan Software Documentation

[Open software]

（注：1.The computer needs to install the SQL Server. 2. When the software is used for the first time, it will prompt a database error, because the database information has not been filled in, which is a normal situation.）

Click Configuration on the login page

Choose language according to customer needs

Fill in the information

1. Select or enter the server name

2. Database name

3. Username, Password

4. Click connect button

Click OK to return login page

[Login]

Fill username and password（Note: The user name can only be in English）

Click Login to enter the software

[Logout]

If you need to log out , click on the upper left Logout button

[Edit exchange rate]Click onicon;

[Edit Material]Clickicon to enter material manage page

The left sidebar can be set to hide/dock;

[Create material type] Click this icon to create new material type;

If Create top-level type is checked， the type will be at the top level;

If Create top-level type is not checked， the type will be a child type;

[Delete material type] Click this icon to delete type;

Note：If this type has child type,it cannot be deleted

[Edit material type] Click this icon to edit material type;

[Create material] Click this icon to create new material;

Select material type;

Fill in the parameters;

Click OK;

Double-click on the selected material to edit;

[Delete material] Click this icon to delete material;

1. 【**Edit Order**】Click this icon to enter order manage page

The left sidebar can be set to hide/dock;

[Create new order type] Click this icon to create new order type;

If Create top-level type is checked， the type will be at the top level;

If Create top-level type is not checked， the type will be a child type;

[Delete order type] Click this icon to delete order type;

Note：If this type has child type,it cannot be deleted

[Create new order] Click this icon to create new order;

Set type;

Fill in the parameters;

Click Style file to load style file from database;

Fill in the quantity;

[Delete order] Click this icon to delete order;

4.【Edit Spread】 Click this icon to enter spread manage page;

The left sidebar can be set to hide/dock;

Open a new order

Plan Order: Clickto plan order

①**Set Material：** Replaces the material in the current style file with a new (or specific) material .

Open Set Material dialog,select the orderitem that needs a replacement material,click on an item in the list that needs to be replaced

Click onselect material

Click on OK

After the setting is successful, you can use it in the material type

②**Create new plan**：Create new nesting plan，find the best plan by comparing multiple different nesting plan

③**Delete Current Plan**： Delete the currently selected plan

④**Copy Plan**： Copy the current plan as a new plan

For example:The configuration of plan 1 is shown in the figure

Click on Copy Plan button,the resulting plan 2 is the same as plan 1

⑤**Set Plan Material**:

Set a different width (fabric) for the current plan

This function can be used when you need to compare which width of the material is more economical.

For example:

The fabric width of plan 1 is 2m,select plan 2,click on Set Plan Material button,after confirming that the material width of scheme 2 will be changed to the newly set material width

Note:When using this function, it is necessary to ensure that the newly set material is only different in width from the original material, and other data must be the same (material pattern, etc.), otherwise there will be errors when comparing the data after planning.

⑥**Auto Spread:** The software calculation automatically obtains the plan results

Fill in the following parameters

Number of sets per layer: refers to the number of sets that can be arranged on each layer of the marker frame (the maximum value can be automatically estimated by entering the length of the cutting machine)

Number of layers per bed: refers to the number of fabric layers that can be arranged by the cutting bed (the maximum value can be automatically calculated by entering the cutting height)

Number of plan: If checked, the result will be limited to the number of schemes entered; if not checked, all schemes will be calculated (not recommended)

Deviation allowed: If checked, the deviation of the order will be included in the calculation; if not checked, the deviation will not be calculated

Maximum number of size: refers to the maximum matching ratio of a single size

Number of beds: refers to the number of cutting beds

⑦**Nest Setup**：Set before submitting the nesting plan, and the nesting software will nest according to this setting

⑧**Submit Plan**：Submit the plan to the server, and the nesting software will automatically start nesting after receiving the task

Submit Plan include Submit All Plan and Submit Current Plan.

Normally use Submit All Plans.Click Submit All Plan when planning is complete,the nesting program running in the background will automatically nest all schemes。

Submit Current Plan usage scenarios:For example, two plans have already been nesting completed and when a third plan needs to be added for nesting, click Submit Current Plan. If you click Submit All plan at this time, the two plans that have been nesting completed before will be nesting again.

To use this function, you need to open this program in the CutPlan directory

The first time you run this program you need to follow the steps below to set up the database (you only need to set it up once)

The user account column can be ignored.

Note: You need to connect to the same database as the CutPlan

⑨Other function

SpreadItem name column can set the display format of the name

Adopt Plan/Cancel Adopt

After the nesting is completed, it will be displayed in the program result interface as shown in the figure below.

Plan	Length per set(m)	Length(m)	Cost	Utilization(%)	Bed
2	0.36	392.98	785.96	83.70	2
1	0.25	278.84	557.68	68.24	2

[√]

Choose a plan based on your needs,double-click the plan,when this icon appears,it means selected

You can click Adopt Plan only after you have selected a plan.(Note: After adopting the plan, the nesting data, files, etc. of other plans will be deleted and cannot be recovered.)

After successful adoption, the material can no longer be planned (other fabrics can be planned normally). If you need to replan the material, click Cancel Adopt.

Adopted plan can use Output File function.

Order name	Style name	Style type	Number of set per ply				Remaining / Total				Deviation	
			M	L	XL	XXL	M	L	XL	XXL	Positive(%)	Negative(%)
TEST20210329	CS1	1					0/122	0/222	-7/333	-6/222	5	5
TEST20210329	CS2	2					0/222	-3/111	0/222	0/114	1	1

SpreadItem name	Set qty	Plies	Width(m)	Length(m)	Utilization(%)	Mode	Bed	State
TESTA_1	6	70	2	1.417	73.877	Single	1	Nesting completed
TESTA_2	6	44	2	1.417	73.877	Single	1	Nesting completed
TESTA_3	6	54	2	1.394	73.247	Single	1	Nesting completed
TESTA_4	6	57	2	1.467	74.278	Single	1	Nesting completed
TESTA_5	3	65	2	0.742	69.971	Single	1	Nesting completed
TESTA_6	3	13	2	0.742	72.236	Single	1	Nesting completed

Output All Plot/Output Selected Plot

If you need to output the plot files of all spreaditems,click Output All Plot button,after setting the plotter, click OK,the nesting software running in the background will automatically output the plot file(.cut file)

If you only need to output part of the plot file,select the spreaditem that needs to output the plot file

Order name	Style name	Style type	Number of set per ply				Remaining / Total				Deviation	
			M	L	XL	XXL	M	L	XL	XXL	Positive(%)	Negative(%)
TEST20210322	1TEST						0/300	0/300	0/200	0/200	1	1
TEST20210322	TEST2				2	2	0/200	0/200	0/300	0/300	1	1

SpreadItem name	Set qty	Plies	Width(m)	Length(m)	Utilization(%)	Mode	Bed	State
TESTA_1	6	70	2	1.435	74.125	Single	1	Nesting completed
TESTA_2	6	70	2	1.404	73.356	Single	1	Nesting completed
TESTA_3	6	60	2	1.404	73.351	Single	1	Nesting completed
TESTA_4	6	70	2	1.404	73.356	Single	1	Nesting completed
TESTA_5	6	30	2	1.435	74.125	Single	1	Nesting completed
TESTA_6	4	50	2	1.184	61.785	Single	1	Nesting completed

Click Output Selected plot,the remaining steps are the same as outputt all plot.

To use this function, you need to open this program in the CutPlan directory

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The first time you run this program you need to follow the steps below to set up the database (you only need to set it up once)

The user account column can be ignored.

Note: You need to connect to the same database as the CutPlan

Open Nest File

Select spreaditem,click Open Nest File button to open nest file in nest software.

Print All Spread/Print Selected Spread

Print spreaditem planning results (or export to PDF)

SpreadItem plan

Order name:TEST20210604 Material:A Width(m):2.00

Customers		Date		Clerk	
Size / Style name	M	L	XL	XXL	
QW	60/300	300/300	0/200	2/200	
Remarks					

SpreadItem name	M	L	XL	XXL	Sets	Plies	Length(m)	Utilization(%)	Type
TEST20210604(M)_1	4				4	10	0.89	72.60	Single
TEST20210604(M)_2	4				4	50	0.89	72.60	Single
TEST20210604(XL)_1			5		5	40	1.42	62.71	Single
TEST20210604(XXL)_1				6	6	33	1.48	75.80	Single
Remarks									

Output EXCEL

Output spreaditem planning results to EXCEL file.

	A	B	C	D	E	F	G	H	I	J	K	L
1												
2					SpreadItem Plan							
3	Order name:TEST20210604					Material:A Width(m):2.00						
4												
5	Customer				Date				Clerk			
6	Style	Size	M	L	XL	XXL						
7	QW		60/300	300/300	0/200	2/200						
8	Remarks											
9												
10	SpreadItem name			M	L	XL	XXL	Sets	Plies	Length(m)	Utilization(%)	Type
11	TEST20210604(M)_1			4				4	10	0.89	72.6	Single
12	TEST20210604(M)_2			4				4	50	0.89	72.6	Single
13	TEST20210604(XL)_1					5		5	40	1.42	62.71	Single
14	TEST20210604(XXL)_1						6	6	33	1.48	75.8	Single
15	Remarks											
16												
17												
18												
19	Material/Others											
20												
21												
22												