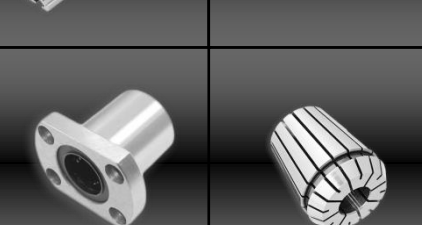# CNCPROM

Інтернет – магазин комплектуючих для верстатів з ЧПК
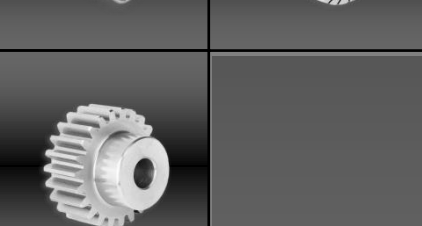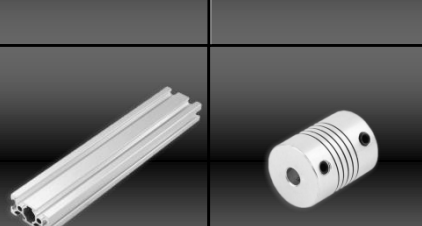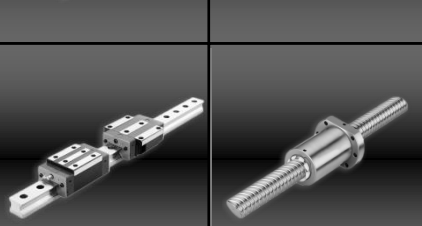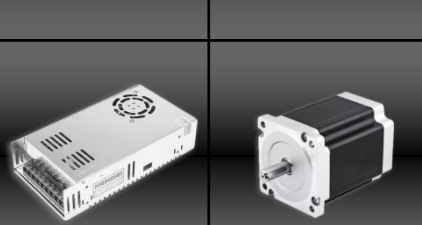
CNCPROM

CNCPROM

Посібник користувача програмного забезпечення для лазерного гравіювання

CorelDRAW® GRAPHICS SUITE

GRAPHICS SUITE 2019

NO 1. Installed the software

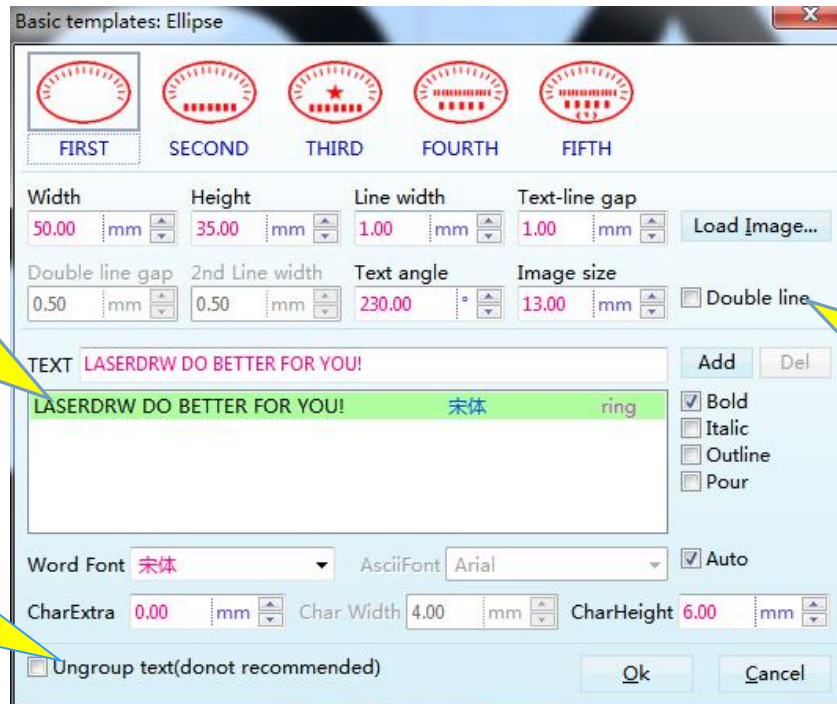**1.Installed all of the accessories,then Open the CD and ,click the LaserDRW**

2..**Choice the English language and installed it**

NO 2. The application of basic template

Software provides four basic template:square template,rectangle template,round template, ellipse template.And strengthen them: all of the basic template have increased double line design function.

Choose the text you want to amend,and amend the words in the column above.

If you want double line , only need √ here

Don't recommended, very cumbersome①

① the ungroup is very cumbersome, in special circumstances can be used.If you want change the font or position of a word,you can finish the composing first ,than click on the icon [icon],than you can change the word.
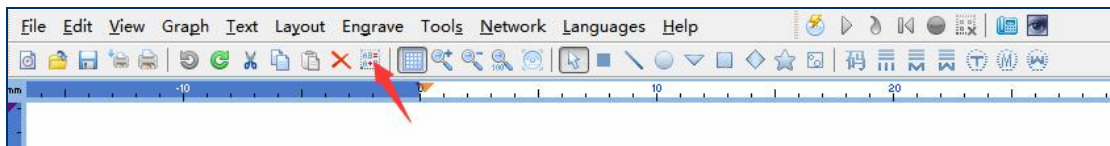
NO 3. The visual design presentation

In the basic template，you can only see the effect after you adjust, but in the visual design,you can see the effect wen you adjusting.
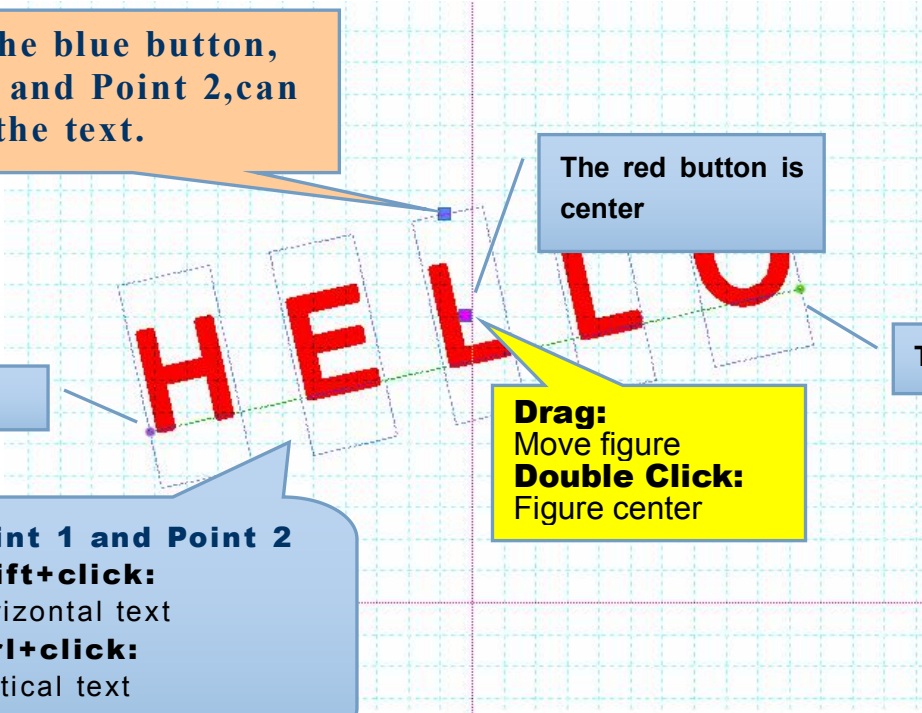
1.The visual design of figure

Drag:
Adjust height
Double Click:
Horizontal center

Drag:
Move figure
Double Click:
Figure center

Drag:
Adjust width
Double Click:
Vertical center

Drag:
Adjust width
Double Click:
Vertical center

Drag:
Adjust height
Double Click:
Horizontal center

You can also adjust at here
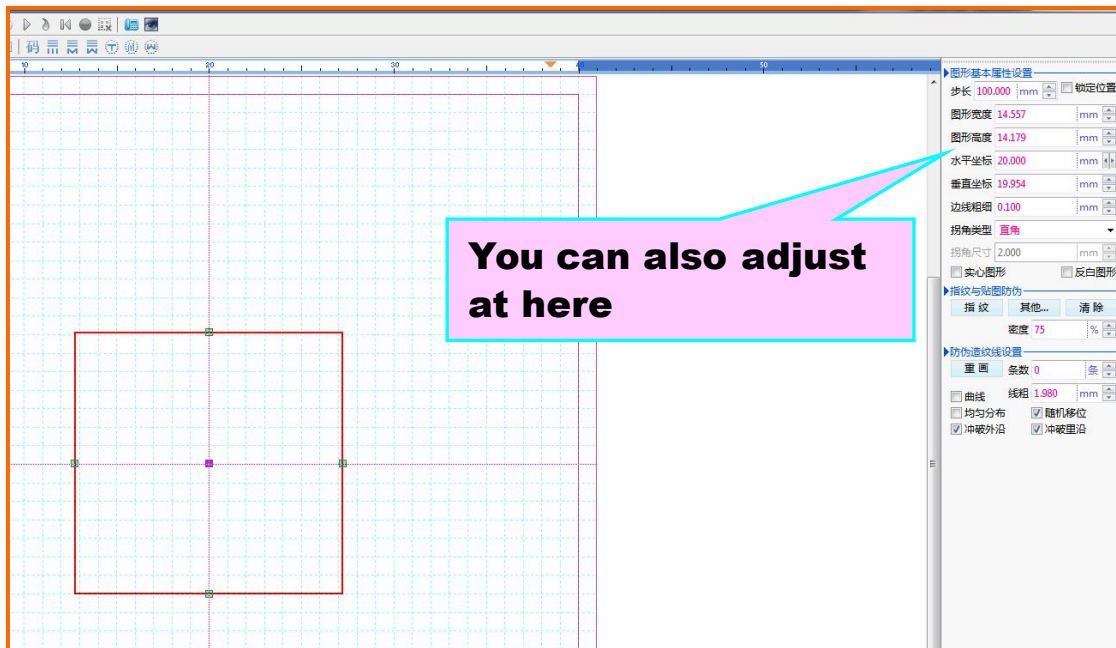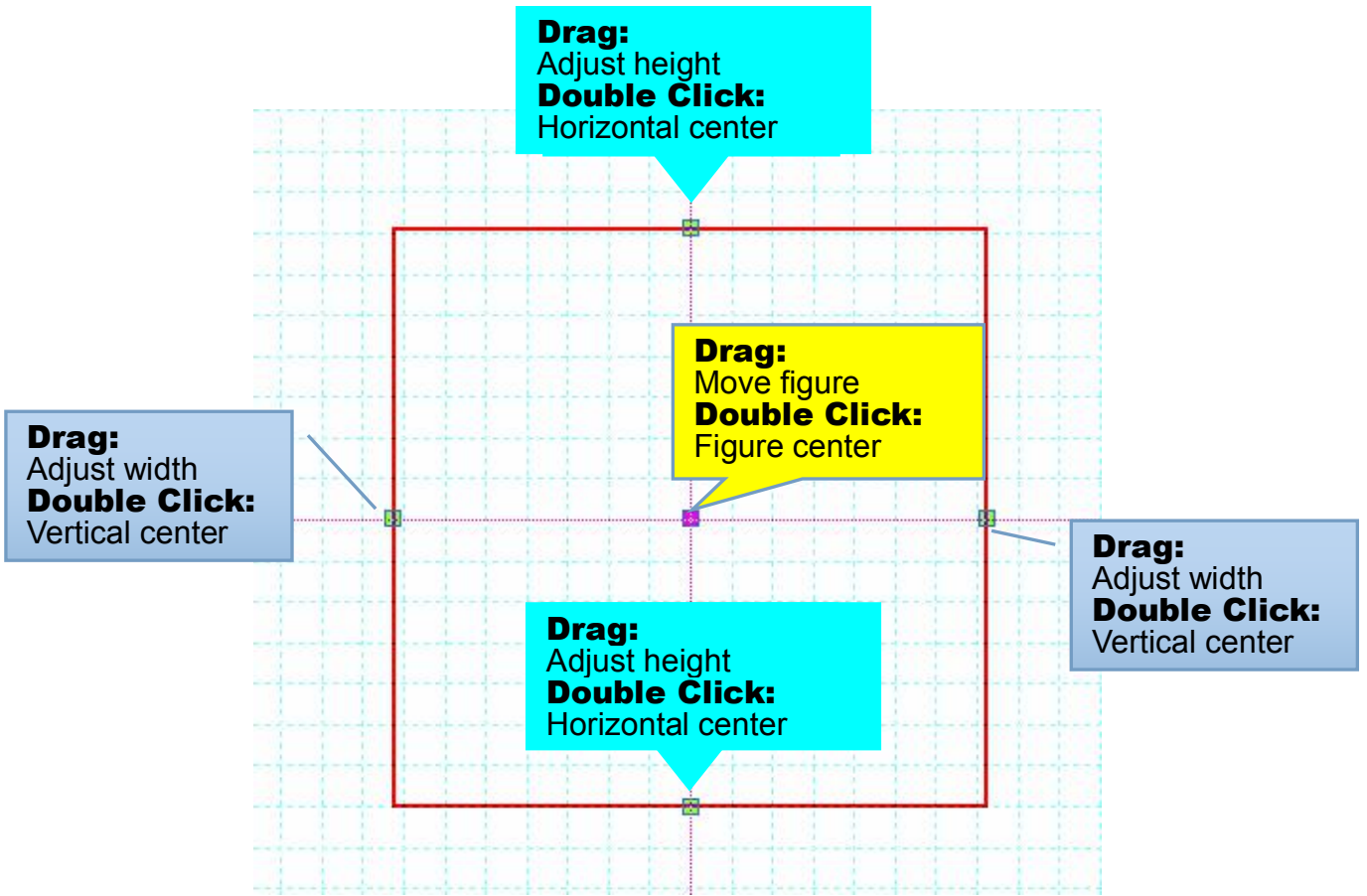
2. The visual design of line segment

Point 1 and Point 2
Shift+click:
Horizontal text
Ctrl+click:
Vertical text

Drag:
Move figure
Double Click:
Figure center

This is Point 2

The red button is center

This is Point 1

You can also adjust at here

Graph and Text properties

Step	100.00	mm	Lock
PenWidth	0.025	mm	
Center X	30.064	mm	
Center Y	10.012	mm	
Point1 X	21.487	mm	
Point1 Y	15.413	mm	
Point2 X	38.641	mm	
Point2 Y	4.611	mm	
Distance	20.272	mm	

White

Anti-counterfeit texture

Default	Other..	Clear

Density 75 %

3. 🏛 **The visual design of line text**

All of the blue button, Point 1 and Point 2,can adjust the text.

The red button is center

This is Point 1

This is Point 2

Drag:
Move figure
Double Click:
Figure center

Point 1 and Point 2
Shift+click:
Horizontal text
Ctrl+click:
Vertical text

You can also adjust at here

Graph and Text properties

Step	100.00	mm	☐ Lock
Font	Vrinda		

HELLO

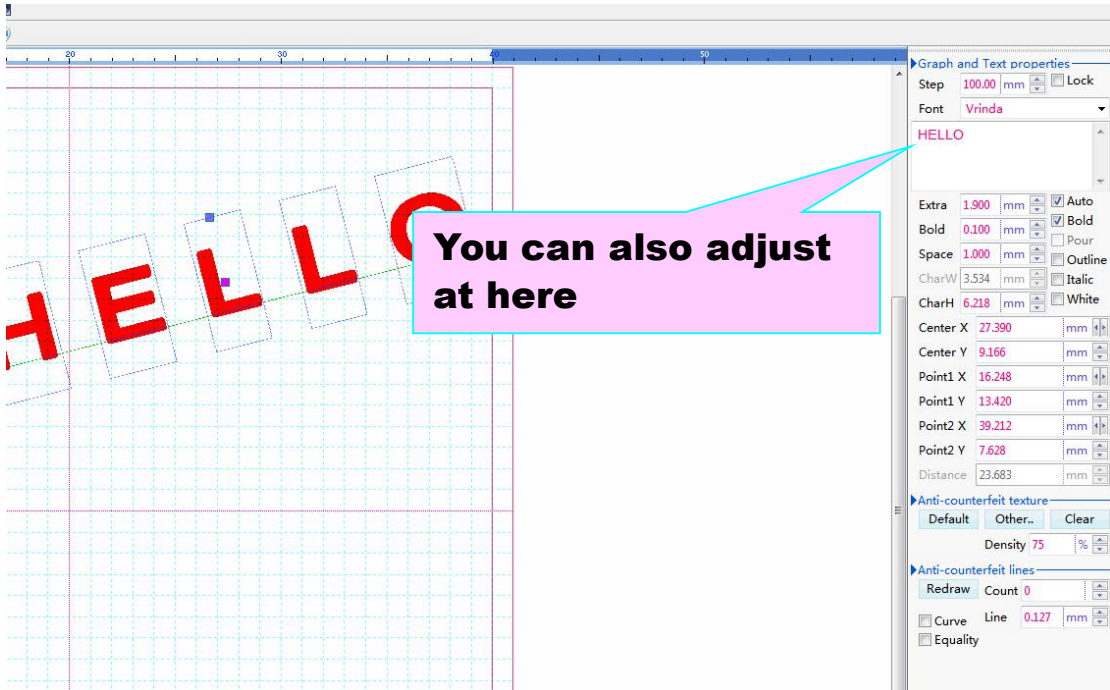|				
Extra	1.900	mm	☑ Auto	
Bold	0.100	mm	☑ Bold	
Space	1.000	mm	☐ Pour	
CharW	3.534	mm	☐ Outline	
CharH	6.218	mm	☐ Italic	
Center X	27.390		mm	☐ White
Center Y	9.166		mm	
Point1 X	16.248		mm	
Point1 Y	13.420		mm	
Point2 X	39.212		mm	
Point2 Y	7.628		mm	
Distance	23.683		mm	

Anti-counterfeit texture
Default   Other..   Clear
Density 75 %

Anti-counterfeit lines
Redraw   Count 0
☐ Curve   Line 0.127 mm
☐ Equality

4. ⬛ **The visual design of arcuate text (two ways can be choose)**

Click the text can change between the two ways !
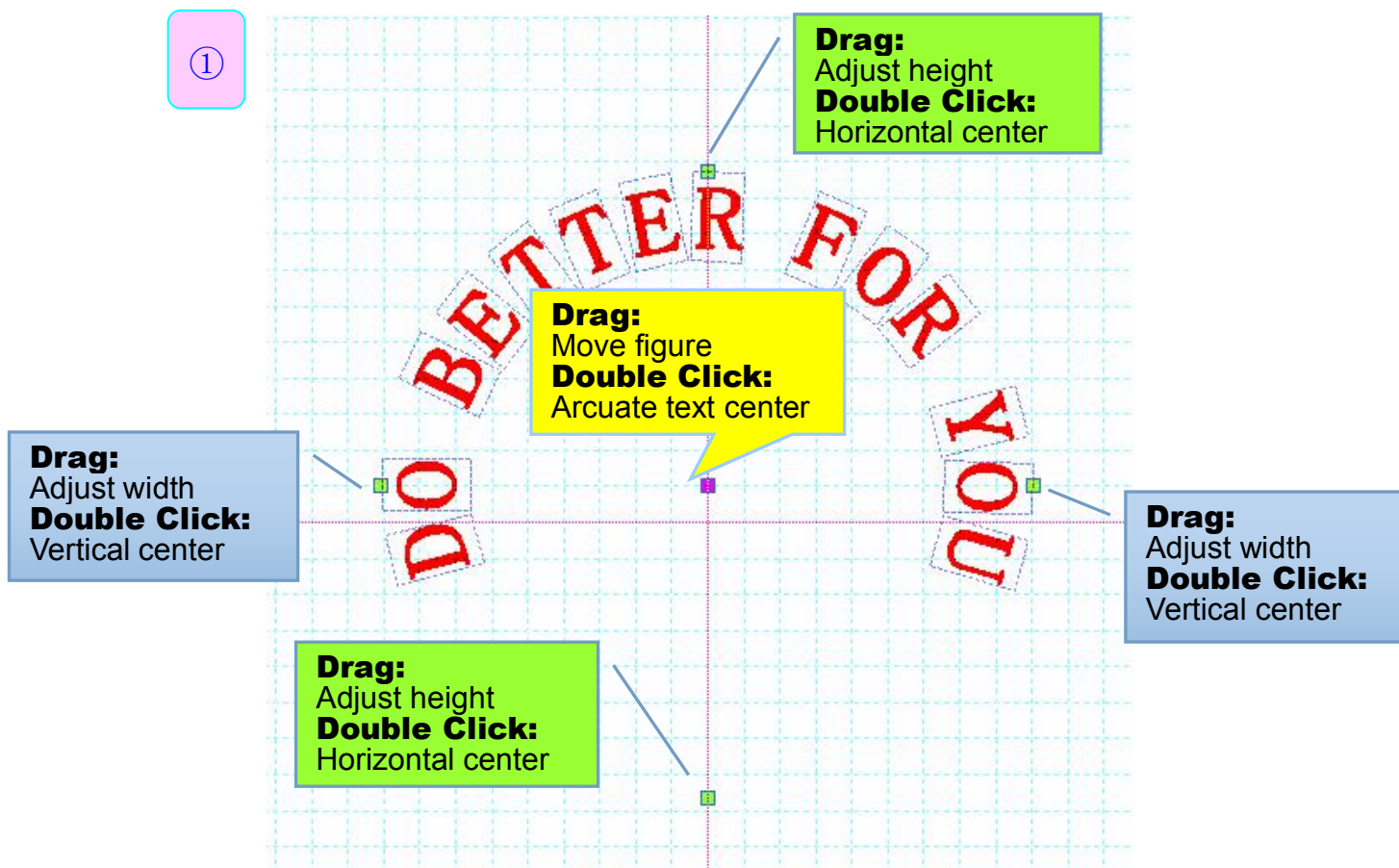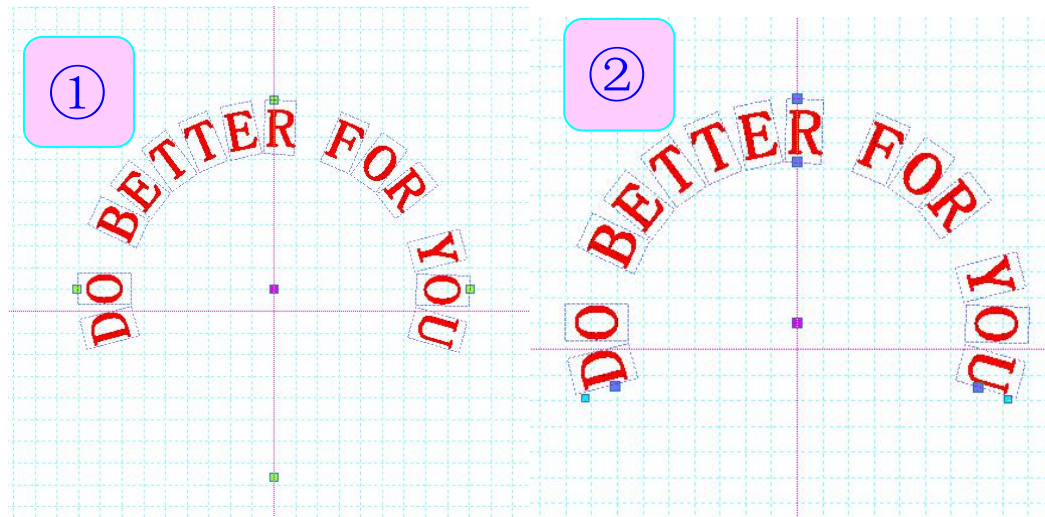
① ②

①

Drag:
Adjust height
Double Click:
Horizontal center

Drag:
Move figure
Double Click:
Arcuate text center

Drag:
Adjust width
Double Click:
Vertical center

Drag:
Adjust width
Double Click:
Vertical center

Drag:
Adjust height
Double Click:
Horizontal center

②

The two buttons,
Drag:
Adjust the height of word
Double Click:
Change between top arc and under arc

Drag:
Move text
Double Click:
Arcuate text center

Drag:
Adjust deflexion
Double Click:
Arcuate text bilateral symmetry

Drag:
Adjust angle

You can also adjust at here

Graph and Text properties
Step	100.00	mm		Lock
Font	Verdana			

DO BETTER FOR YOU

Extra	0.200	mm	Auto
Bold	0.100	mm	Bold
Space	-0.500	mm	Pour
CharW	1.143	mm	Outline
CharH	3.059	mm	Italic
Angle	222.300		TopArc
Delta	1.100		White
Width	16.402	mm	
Height	16.009	mm	
Center X	20.139	mm	
Center Y	19.583	mm	

Anti-counterfeit texture
Default	Other..	Clear
	Density 75	%

Anti-counterfeit lines
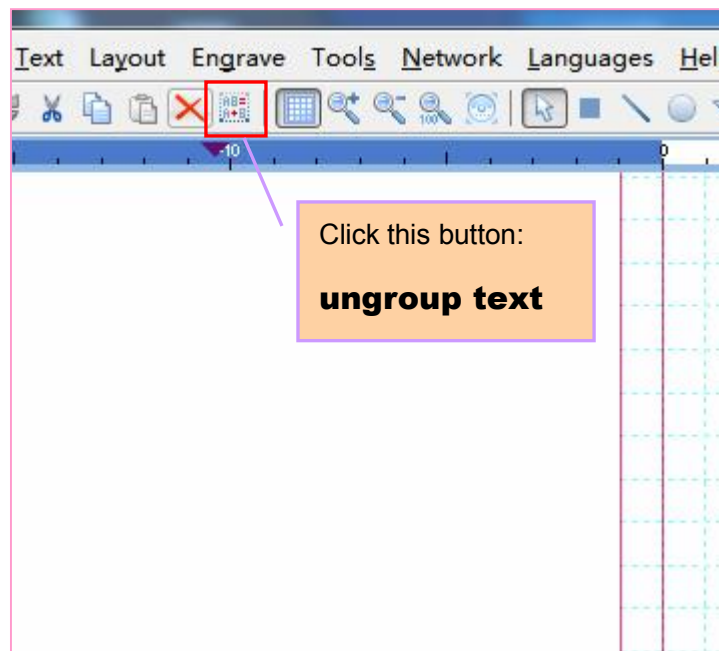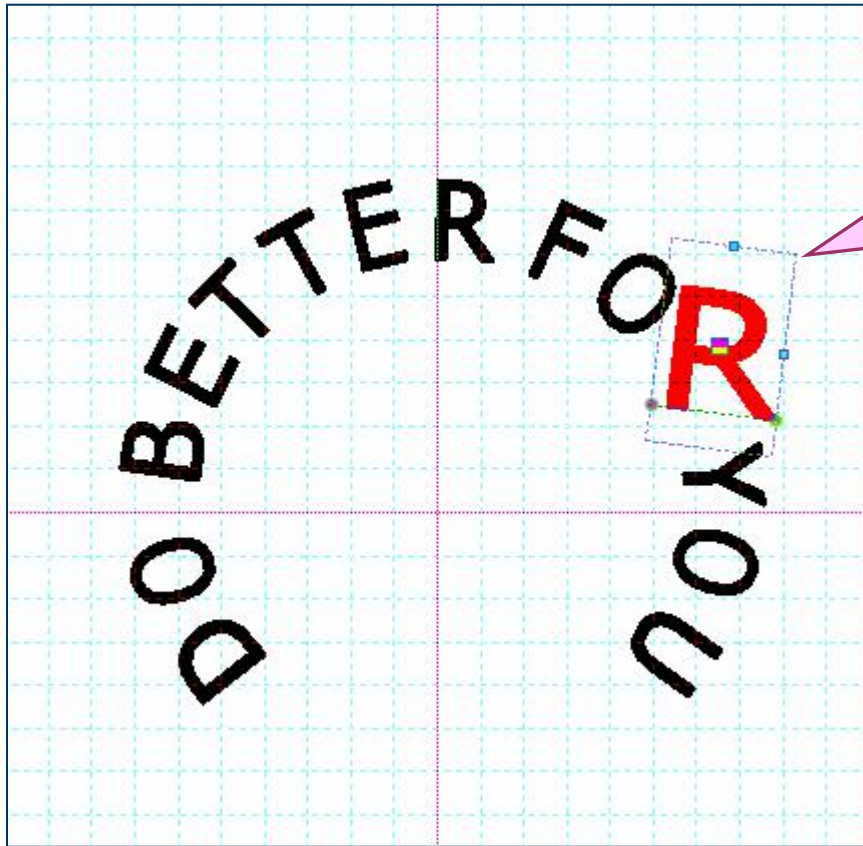| Redraw	Count 0	
Curve	Line 0.127	mm
Equality		

5. Text fine-tuning
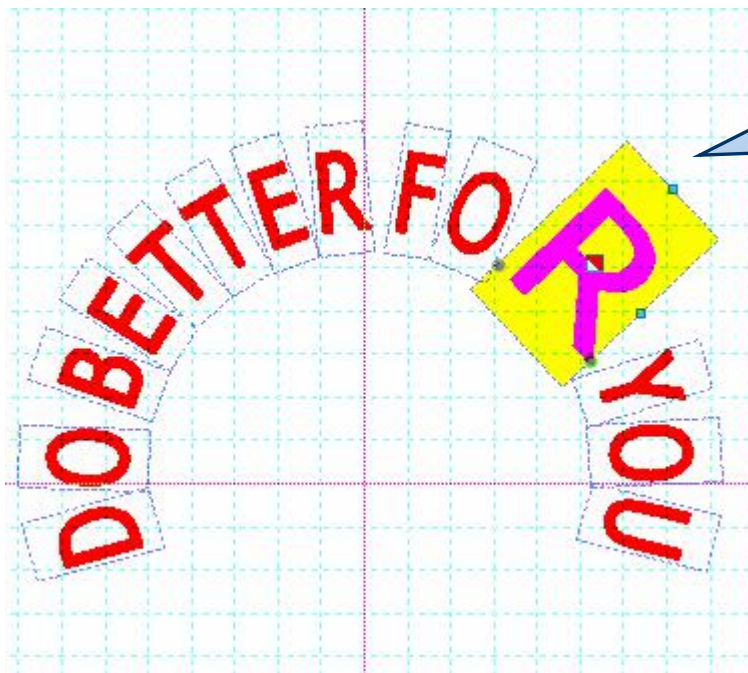
Double Click the letter ,than you can adjust it.

In this way, adjust the width ,all the words will adjust.
If you only want adjust one letter ,you can ungroup text,than adjust it

Text Layout Engrave Tools Network Languages Help

Click this button:

ungroup text

Now you can adjust one letter ,other letters will not change.

This software for typesetting language is very simple, other softwares can't do it.
LaserDRW is only the most practical and most useful software!

NO.3   Visual graphics operation

If you want to create your own basic template, first of all you need to learn drawing.

Need to use the toolbar:

3.click the new layout ,in set of layout ,choice a good size ,model ,click ok
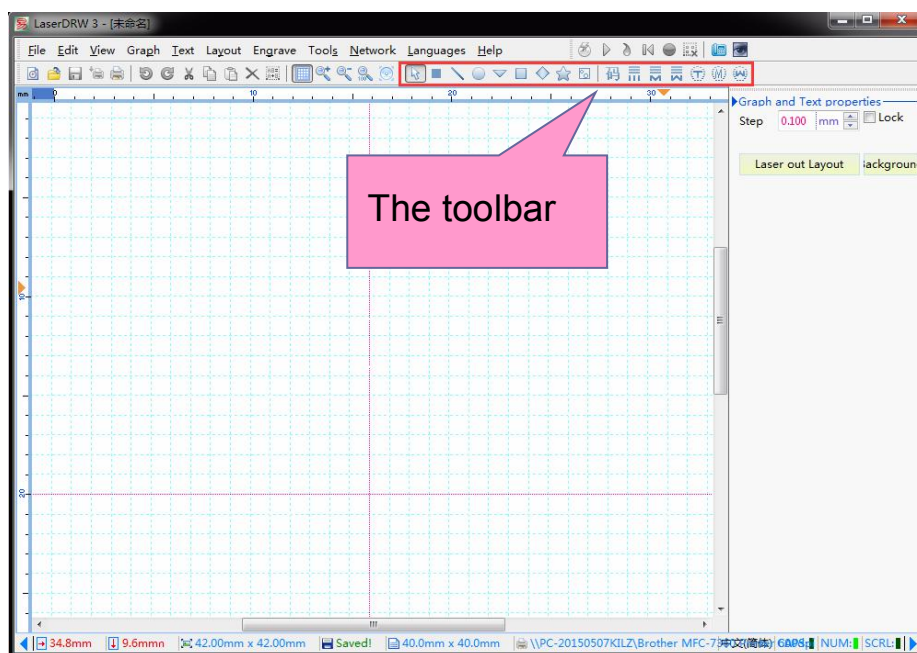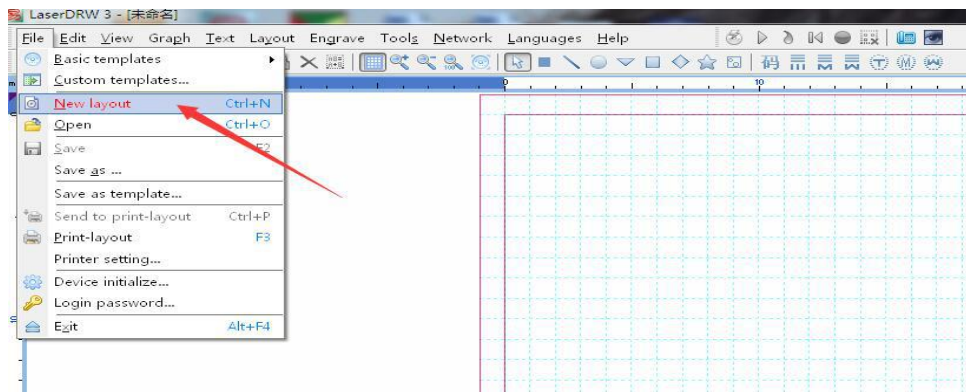
The toolbar

If you move the mouse to the tool button, it will display the prompt information, and told you the button can draw which shape.
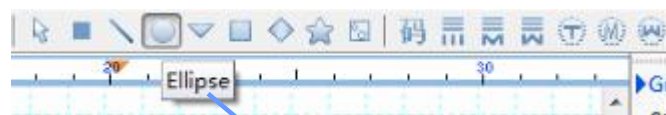
Put the mouse on the " ○ " button.

1. Drawing graphics

First : Using the mouse to click a button.

> Such as you want to draw a rectangle.Click " □ " button.

> If you click on the draw button, then you don't want to draw. You can click on this button " 🔲 ", or one click the mouse on the layout, then you can cancel the drawing operation.**Don't drag the mouse.**

Second : Move the mouse to the layout. The mouse will become " ╋ ".
Press the left mouse button and drag the mouse.

> Press the left key of mouse, drawing starting location is determined.

> Drag the mouse to determine the size of the graphics.
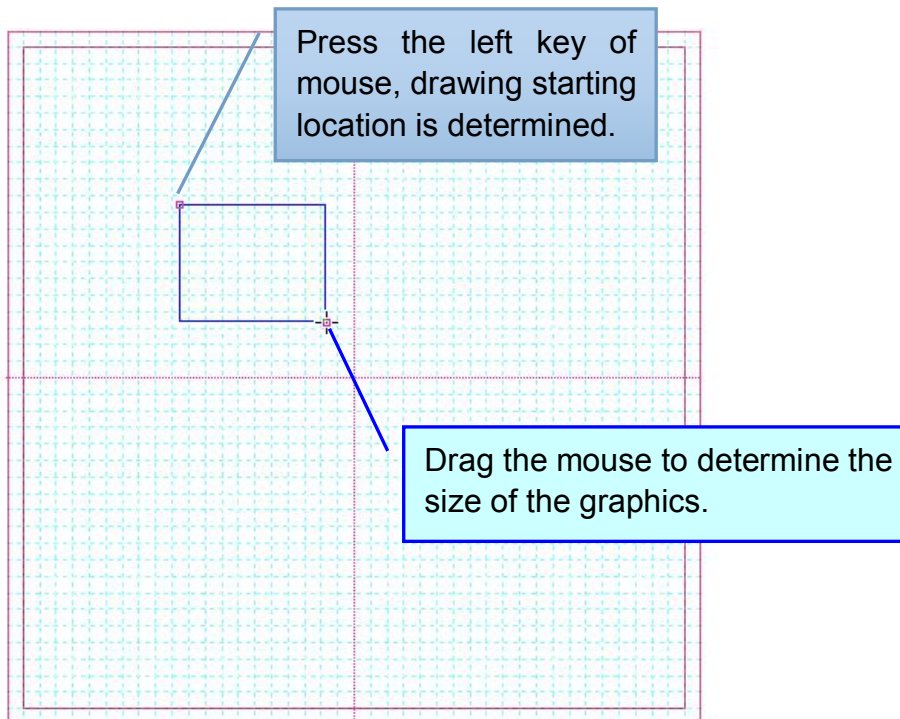
Warm prompt : If click of the mouse in the operating area, not drag the mouse, it will not draw graphics.

2. Insert the other images

The software support insert images. Format for bmp, jpg, png, gif, wmf, emf, pcx, tiff and so on.

You can click on this button ![button] Then will pop up a window select the image file.
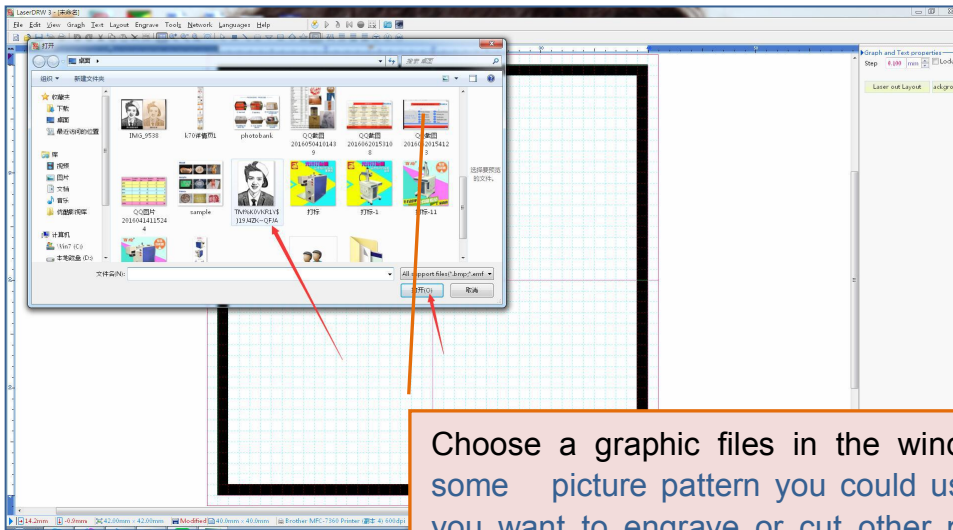
Choose a graphic files in the window （CD have some picture pattern you could used it driectly，If you want to engrave or cut other pattern，need to design)
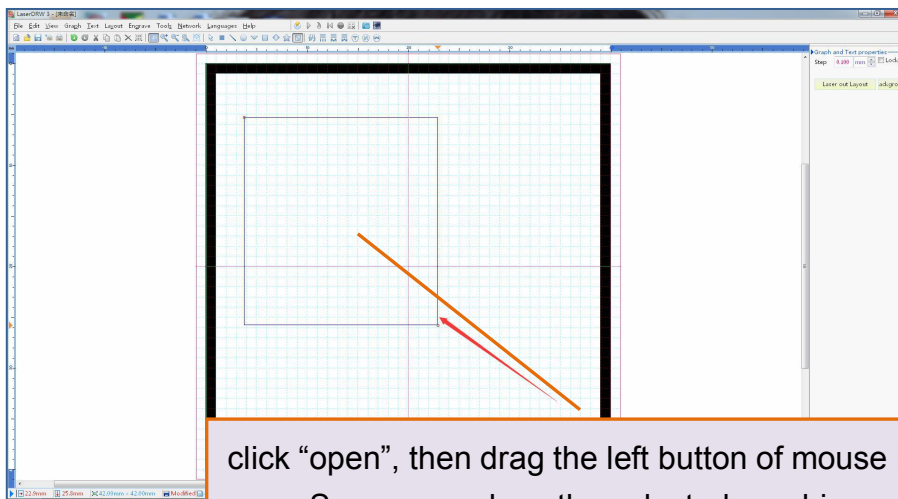
click "open", then drag the left button of mouse in the operating area. So you can draw the selected graphics.

If you don't need to engraving the border, please check click it to red,then delete.
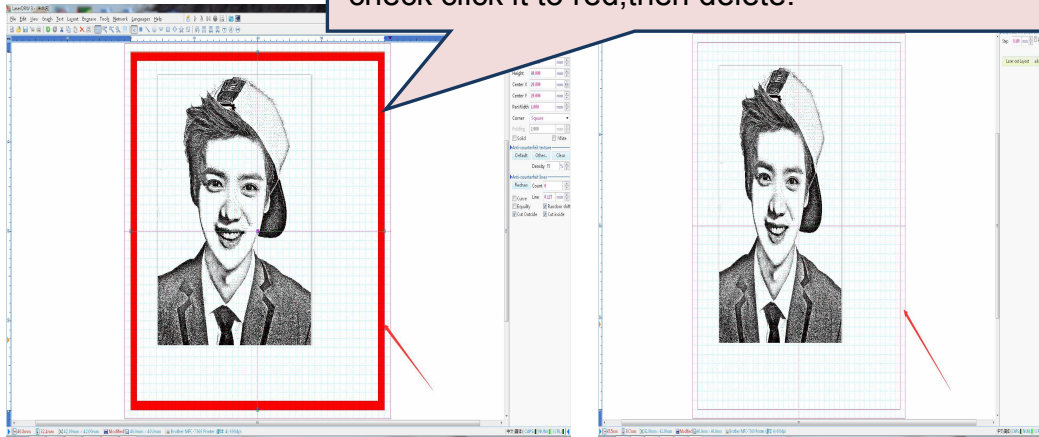
Important note!

Because laser engraving only use black and white image.

If you want to carving design graphics, please use the black and white graphics, don't use color graphics.

If you insert the color images for laser engraving,it can be carved but the effect is bad,you should be used only when output images or print.

3. Drawing text

This software support layout all the languages in the world.

The three buttons can draw the horizontally, landscape, oblique line of text .

The three buttons can draw ring line of text .

Click on a button, as shown in the following window will appear, you can set some basic parameters in the window. Such as font, charH, charW, etc. And enter to draw the text(below is entered the English language), Click "OK" to close the window.
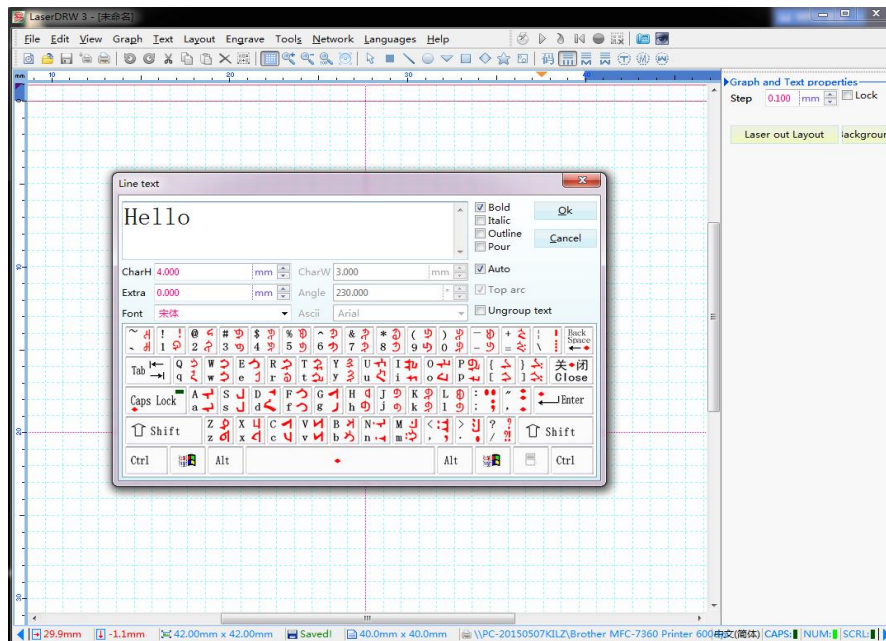
Then drag the mouse in the operating area.

You can draw text.

Important note
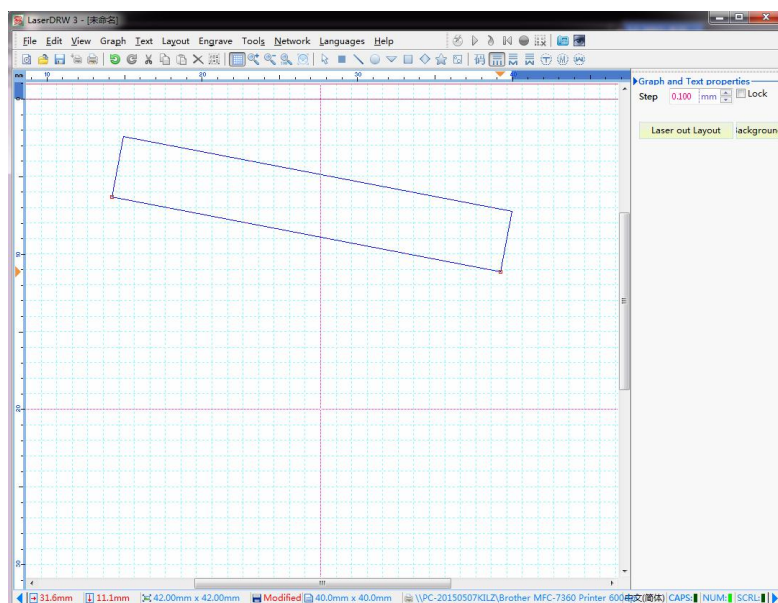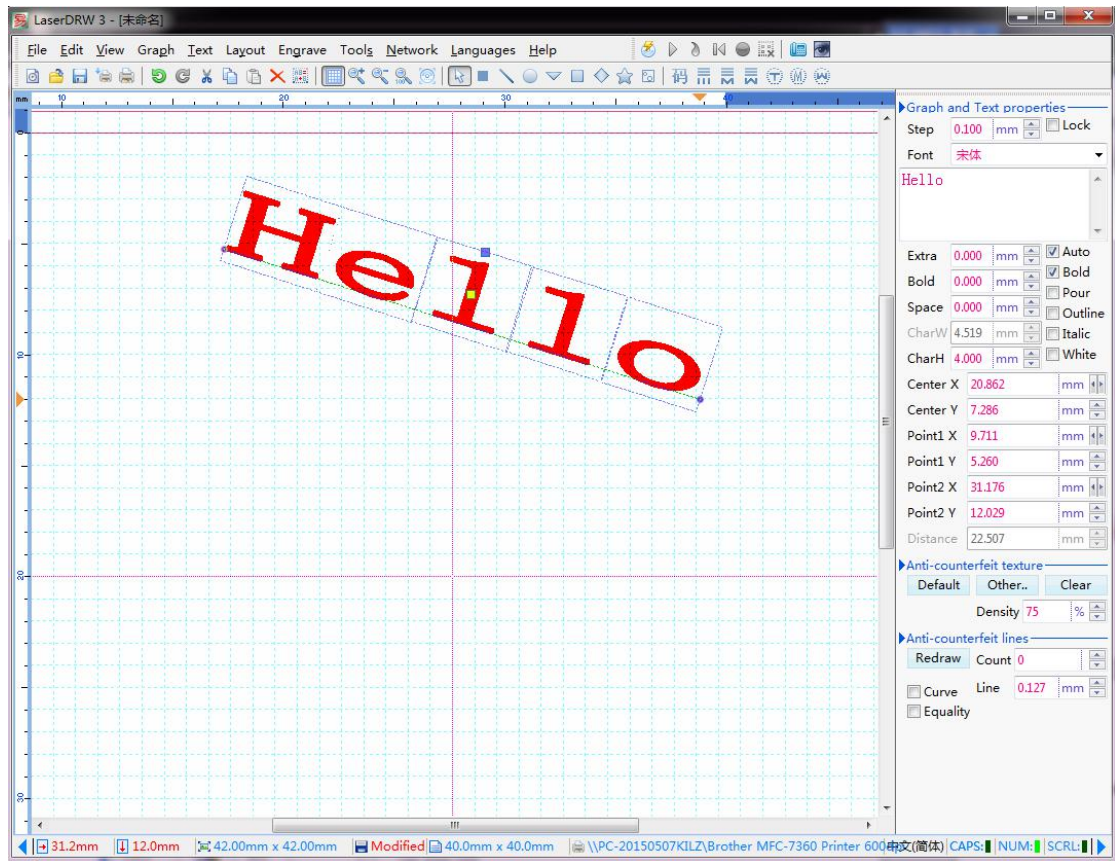
The font must be set correctly. Otherwise the mapped text will be messy code.

NO.4   Rapid design stamp

If you want to quickly complete stamp design, you can used Custom templates.
The Basic templates lack of flexibility. You can design your own Basic templates.
The Custom templates is faster than the software own Basic templates. And to achieve standardization.

Click here, you can put the design of the stamp to saved as a template. (.tyz file format)

If you designed well some of the templates before, click here to go into the Custom templates window.
As shown in the figure below.

The software comes with anti-counterfeiting stamp template.

Choose to change the text, In the "TEXT" input text.

Personal saved template.

Install your own design templates of other source of the templates.(template format for .tyz)

NO.5 Anti-counterfeiting seal design guidance

1. Design Anti-counterfeit lines in Laserdraw software

The anti-counterfeit lines is radomly generated ,not only anti-counterfeiting, but also could increase the seal quality of art .

Add anti-counterfeit lines

layout again according to redraw .

Five control lines, either to see different effects .

Anti-counterfeit lines design
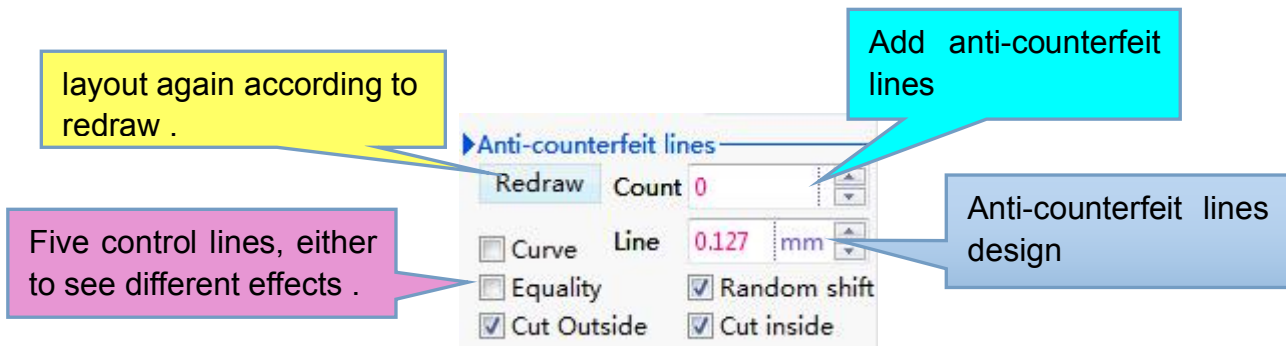
2. Design fingerprint Anti-counterfeit seal in Laserdraw

Design default anti-counterfeit seal select a graphic , and then click the default button .

For the selected set default graphics ,if not satisfied with a default ,click again to reset the default .

If you want to delete the default click remove ,not only anti-counterfeiting seal design guidance but also control the density of the default .

Default Button

Clear is the delete

Anti-counterfeit texture
Default   Other..   Clear
Density 75   %

Density

Adjust density
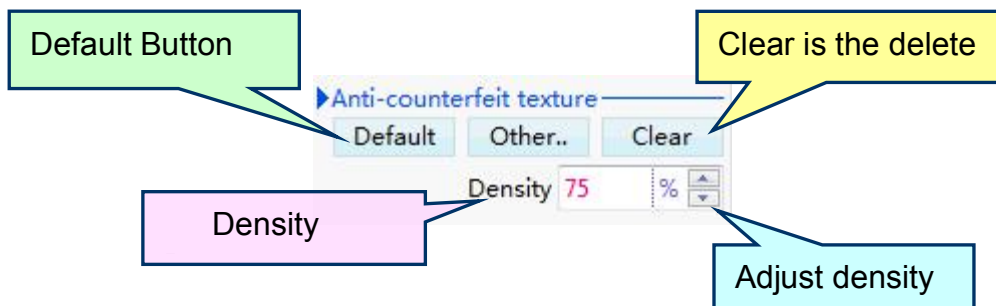
3.   The Laserdrw design the anti-counterfeiting seal and the art seal

The default is the function of the Laserdrw software .

Select a graphic and then click on the other button ,you can post stamp on the border of the specified pattern .

If you want to delete the other click remove ,control the density of the default.

Clear is the delete

Anti-counterfeit texture
Default   Other..   Clear
Density 75   %

Other Button

Adjust density
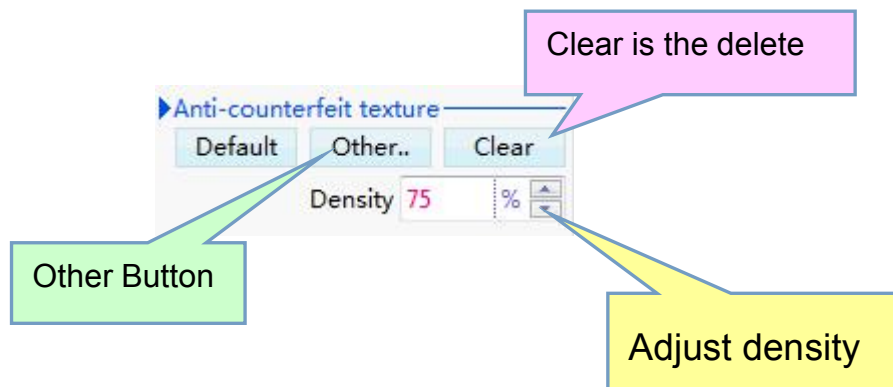
4.   Design default anti-counterfeit seal design summary

①．Curve type anti-counterfeiting .
The intensity is much higher than the straight line anti-counterfeiting .

②．Default anti-counterfeiting seal .
Anti-counterfeiting intensity is many times higher than security lines .

③．Adjust the density of the default anti-counterfeiting .
Can match different seal technology ,adjust the density ensure good
  laser engraving effect .

NO.6　Photosensitive seal machine print job guidance

A good seal and print design ,click on the print button .click into the print

button ,put to print stampIn the into print button . Click on the print

button directly into the printed page.

Into print Button

Print Button

File　Edit　View　Zoom　Help
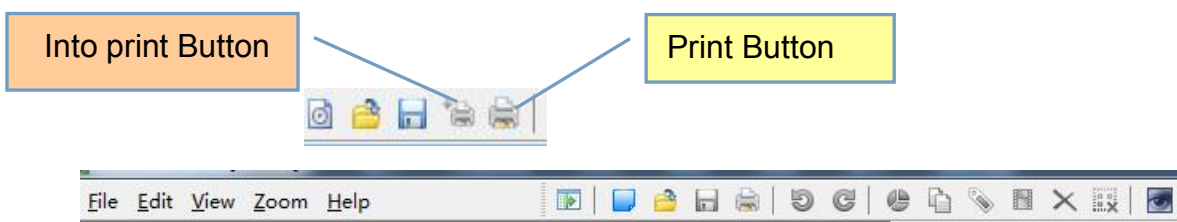
Design a stamp on the print interface,can be arbitrary drag.

Double click on the print stamp screen of this text to replace window will pop up , can modify the seal characters .

编辑文字

文字内容 HORIZONTAL TEXT

| LASERDRW DO BETTER FOR YOU! | 宋体 | 环排 |
| HORIZONTAL TEXT | 宋体 | 平排 |

确定(Ent)   取消(Esc)
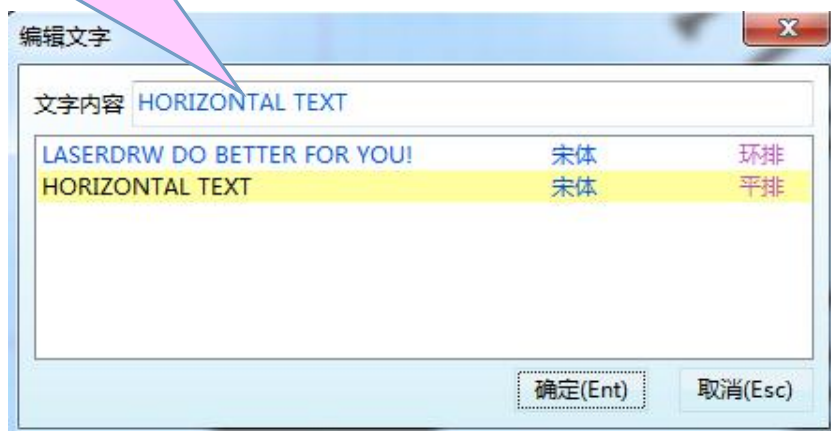
1. The function of the icon

The import file could ready-made templates ,at any time could open the file .

Print page support unlimited undo and restore function ,choice the set the color could print the stamp of any color   .

The redsign could make a new template .

The import file

Open the file

🖫	————	Save the file
↺ ↻	————	Undo and restore function
◕	————	Set the color
🗐	————	Copy the file
🔖	————	The redesign
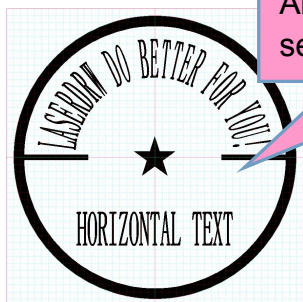
Could use the copy the file , And double click the cloned seal modification .

2. Print

Print settings window ,have some control over how the print options .

Example if √ True color [or black -white] expression true color print ,
If choice □ True color [or black -white] expression black color print .

Print usually have two kind of data , vector and bitmap .
Usually some printer choice the vecor ,printing speed is quick ,the effect is good ,

Some printers support for vector the effect is bad ,could choose bitmap .

Print mode setting

☐ True color[or black-white]?
☐ Mirror print?
☑ Vector[or bitmap]?
☐ Create windows meta file?

Copies: 1   1-100 copies

Print

Cancel

Information

Printer:600dpi

True color and black -white Option

Vector and bitmap Option
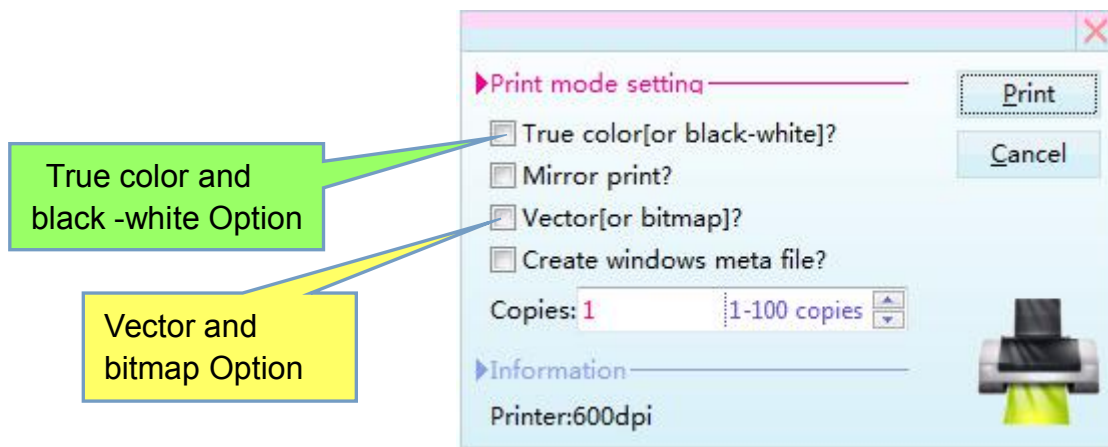
NO. 7   The rubber engraving

1.   Setting the Drawing work space and laser work space

Here can set the engraving place

File Edit View Graph Text Layout Engrave Tools Network

Laser out Layout...

Change as your need about   the rubber size

This is the material size

er out Layout

Drawing workspace

Width   80.000   mm

Height   80.000   mm

Shapes   ☐ 矩形   ▼

Laser workspace

Width   82.000   mm

Height   82.000   mm

Margin   2.000   mm

Shape can change

Ok   Cancel
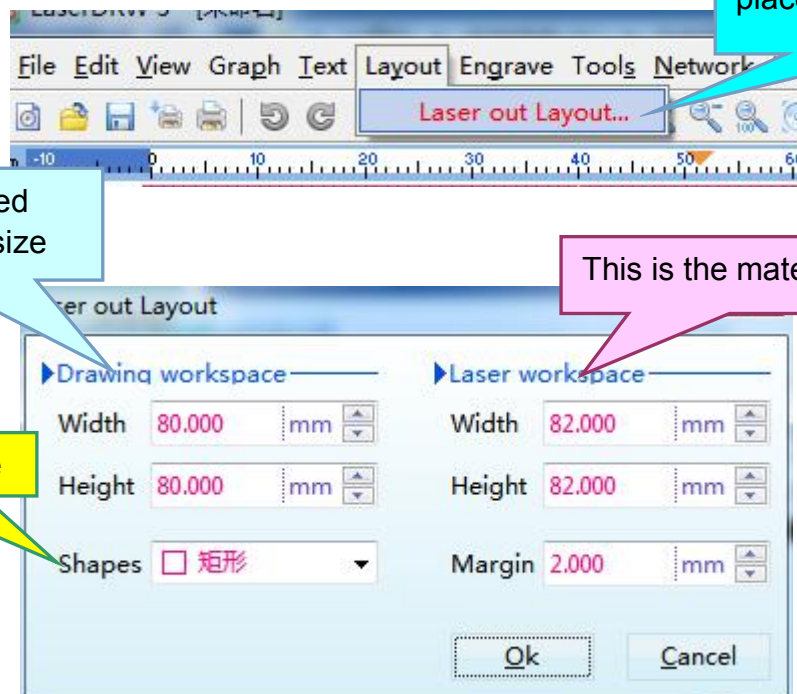
2. Settings of engraving and cutting .

1.Click here .

2.Then click here.

3.Changed the Mainboard to M2

4.Write the Device ID : CD50E42DCDA35009
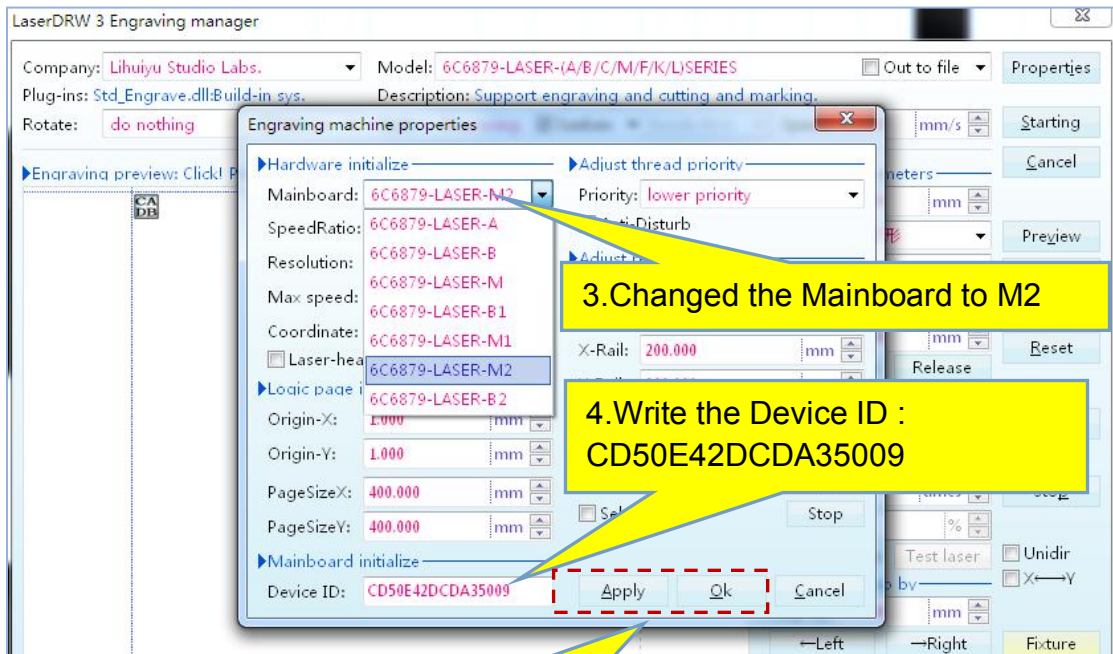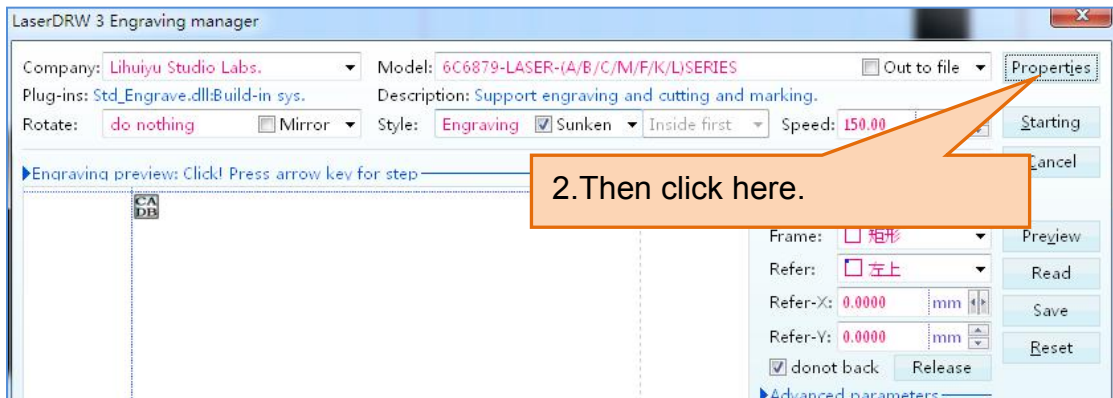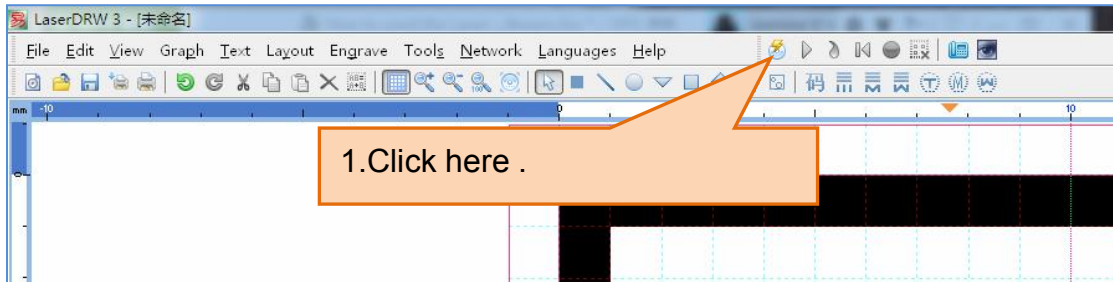
5.Click Apply,then click OK

Here choose mirror

Engraving is ok

The preview is the drawing work space

"2-4" all is ok

This is "1", if you want to repeat cutting ,please change this , if not make sure it is "1"

This is the left top positioning ,so the put the laser point on the upper left corner of the fixture of the potter

This is the engraved

The material must be put well, three edge adjoin the fixture without inter space

Which can cause the the error?
1. The material not adjoin the fixture
2. The material not measure true
3. The material slant setting

If you want cutting ,The following Settings can reference

LaserDRW 3 Engraving manager

Company: 聊城市开发区巨龙激光雕刻设备 ▼ Model: KC40-LASER SERIES(红光定位) □ Out to file ▼ Properties

Plug-ins: Std_Engrave.dll:Build-in sys. Description: Support engraving and cutting and marking.

Rotate: do nothing □ Mirror ▼ Style: Cutting □ Nearest ▼ Inside first ▼ Speed: 20.32 mm/s Starting
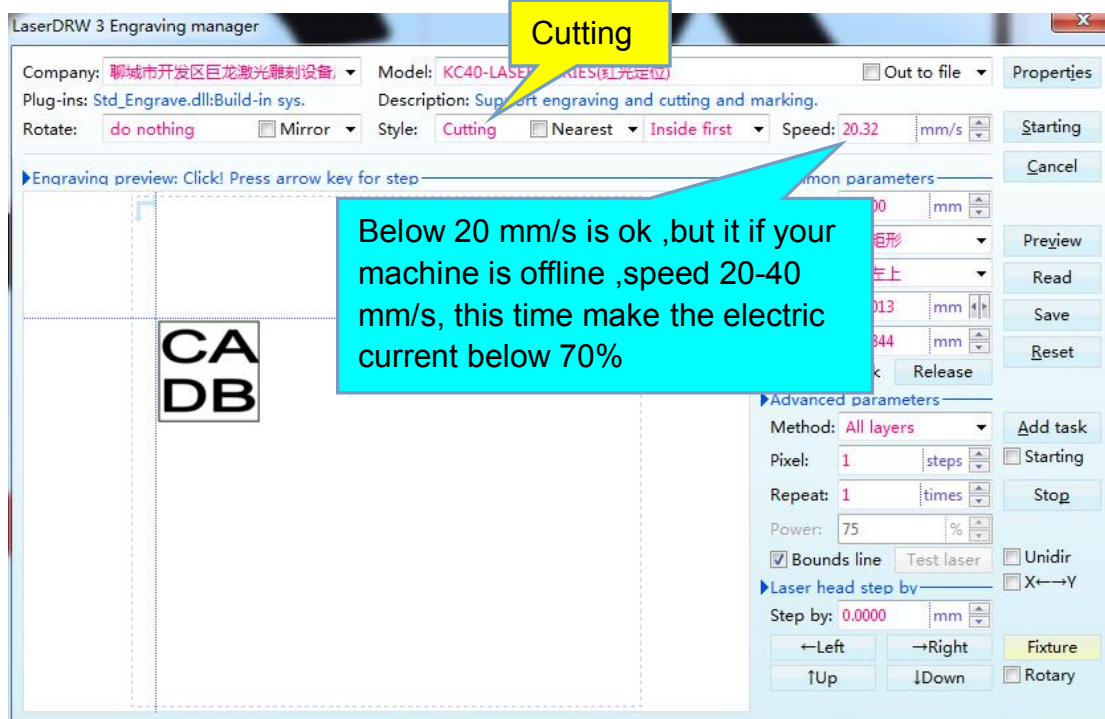
Cancel

Cutting

Below 20 mm/s is ok ,but it if your machine is offline ,speed 20-40 mm/s, this time make the electric current below 70%

Method: All layers ▼ Add task
Pixel: 1 steps □ Starting
Repeat: 1 times Stop
Power: 75 %
☑ Bounds line Test laser □ Unidir
▶Laser head step by □ X←→Y
Step by: 0.0000 mm
←Left →Right Fixture
↑Up ↓Down □ Rotary

NO.8 engraving on Artwork

Open the bmp, dib ,jpg, jpeg. gif, png,wmf. Emf .pcx .tif..tiff   as so on film.

The film is white and black ones.

Set the size as the engraving size

When you need to engrave the designed films,click it

New layout

▶Drawing workspace———
Width 40.000 mm
Height 40.000 mm
Shapes □ 矩形 ▼

▶Laser workspace———
Width 42.000 mm
Height 42.000 mm
Margin 2.000 mm

☑ Auto create main shape Ok Cancel
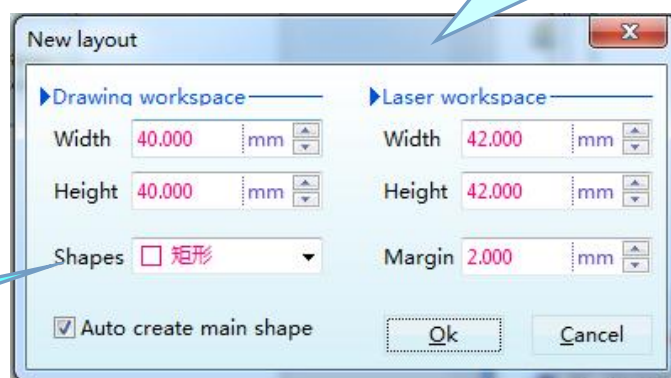
It is rectangle in common

Then Open the film here

Make sure the design not changed
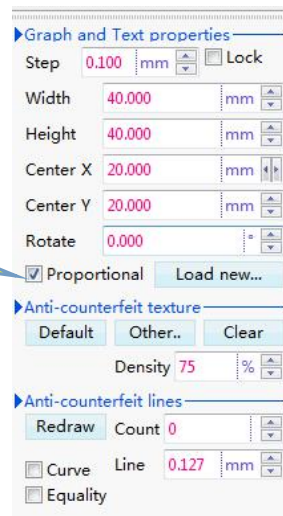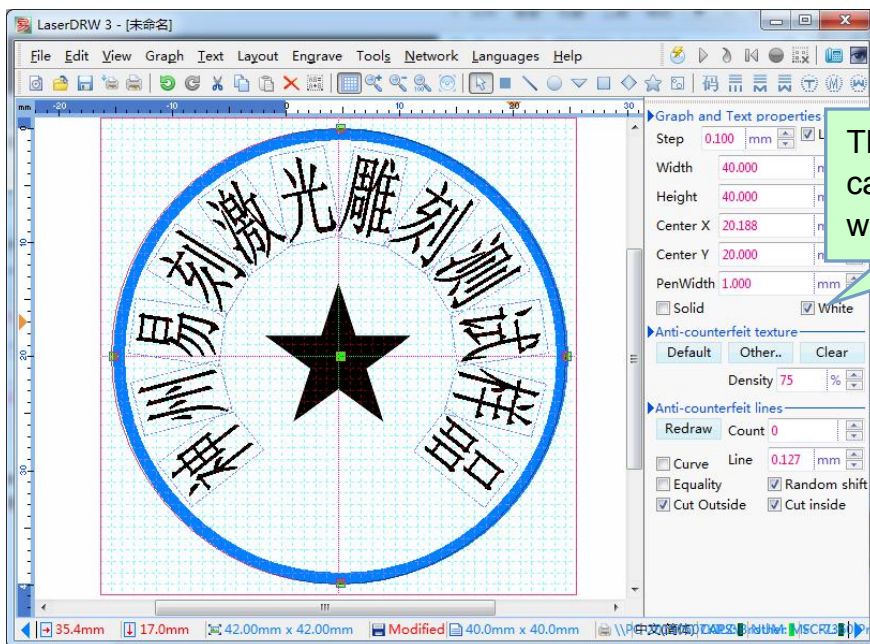
Engraving the photos:

The colorful photos can not engraving clearly,you can put the photos into the photo shop to change the colorful photo to black and wight latticed ones with 500 dpi.Then you can engrave the clear picture.
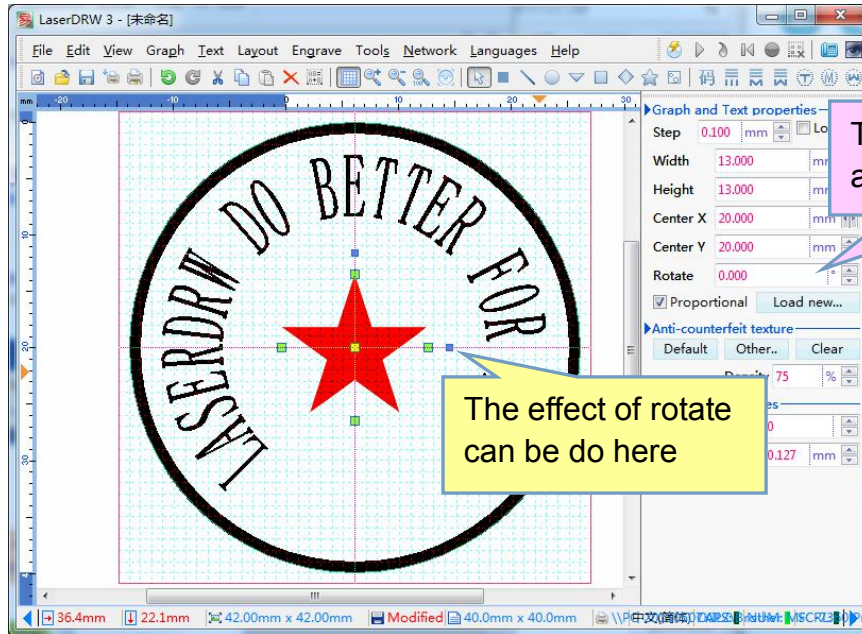
NO.9   engraving   with the white

The words , lines all can made to the white

No. 10   Rotary carving
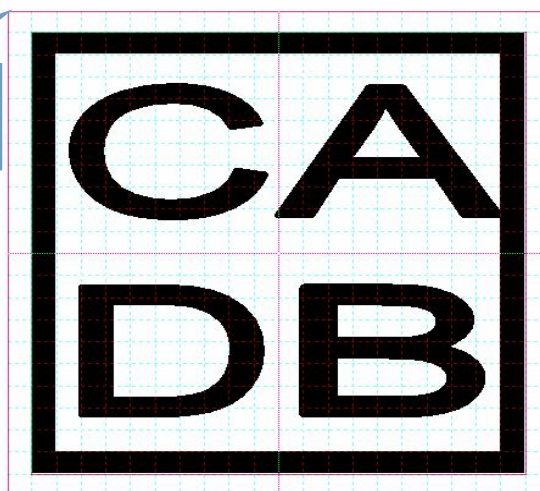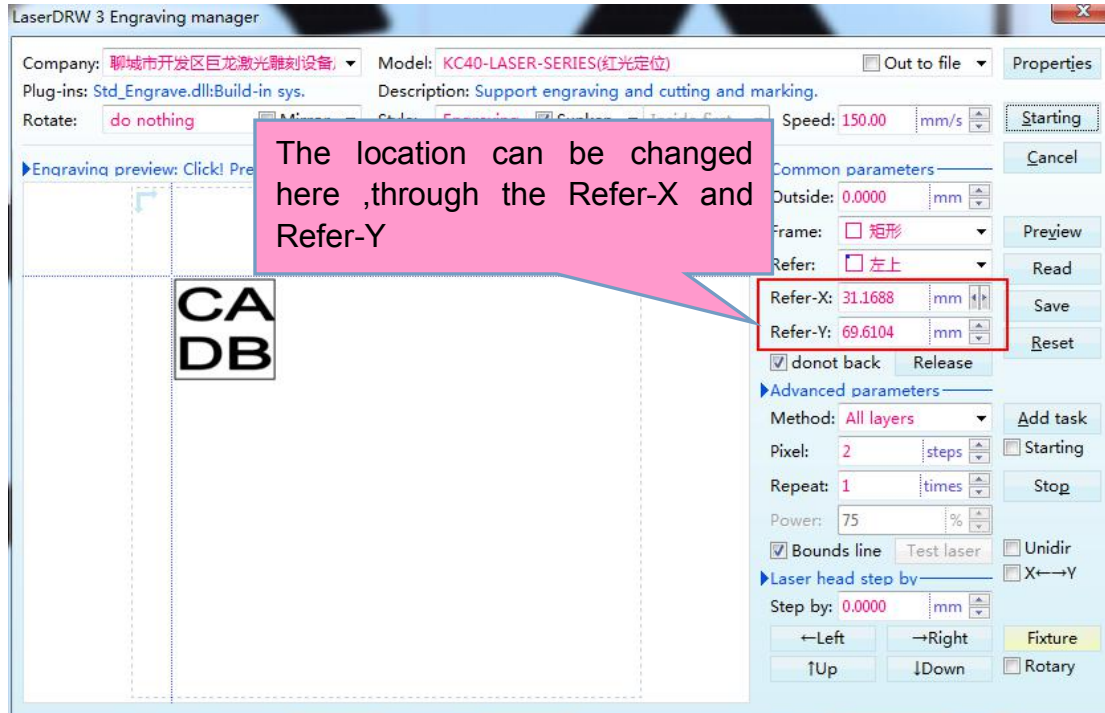
The function of the rotation is the center Rotary.

The Rotate can be adjust

The effect of rotate can be do here

N0.11   The Guide of Location

This is the location of the software

LaserDRW 3 Engraving manager

Company: 聊城市开发区巨龙激光雕刻设备, ▼   Model: KC40-LASER-SERIES(红光定位)   ☐ Out to file ▼   Properties
Plug-ins: Std_Engrave.dll:Build-in sys.   Description: Support engraving and cutting and marking.
Rotate: do nothing   ☐ Mirror   Style: Engraving ☑ Surface ☐ Inside first   Speed: 150.00   mm/s   Starting

Cancel

▶Engraving preview: Click! Pre...

The location can be changed here ,through the Refer-X and Refer-Y

Common parameters
Outside: 0.0000   mm
Frame: ☐ 矩形   ▼   Preview
Refer: ☐ 左上   ▼   Read
Refer-X: 31.1688   mm   Save
Refer-Y: 69.6104   mm   Reset
☑ donot back   Release
▶Advanced parameters
Method: All layers   ▼   Add task
Pixel: 2   steps   ☐ Starting
Repeat: 1   times   Stop
Power: 75   %
☑ Bounds line   Test laser   ☐ Unidir
▶Laser head step by   ☐ X←→Y
Step by: 0.0000   mm
←Left   →Right   Fixture
↑Up   ↓Down   ☐ Rotary

CA
DB

Current and speed setting (only reference)

material	current	engraving speed
acrylic	20-50	120-400
glass	20-30	200-400
double-color plate	15-20	120-400
wood	15-30	200-350
paper	15-20	120-400
leather	15-30	120-300
fabric	15-20	120-300
rubber	15-50	120-400
marble	40-60	100-200
shell	30-50	120-300
resin	20-40	200-400
MDF board	20-50	120-300

Important note
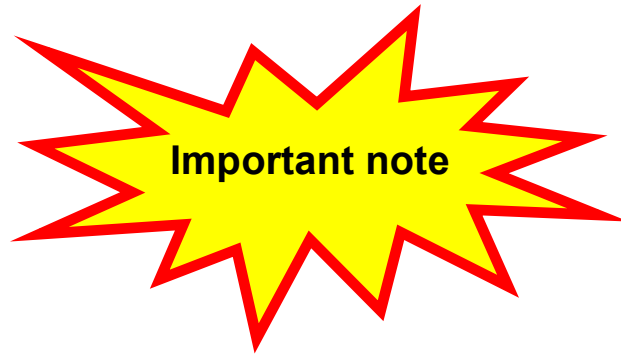
Appendix:

Every main board of the machine has a own Verification code, so there is a Usb-key to the machine software.And there is a ID for the software and the main board ,you can test the truth for the software and the main main board.