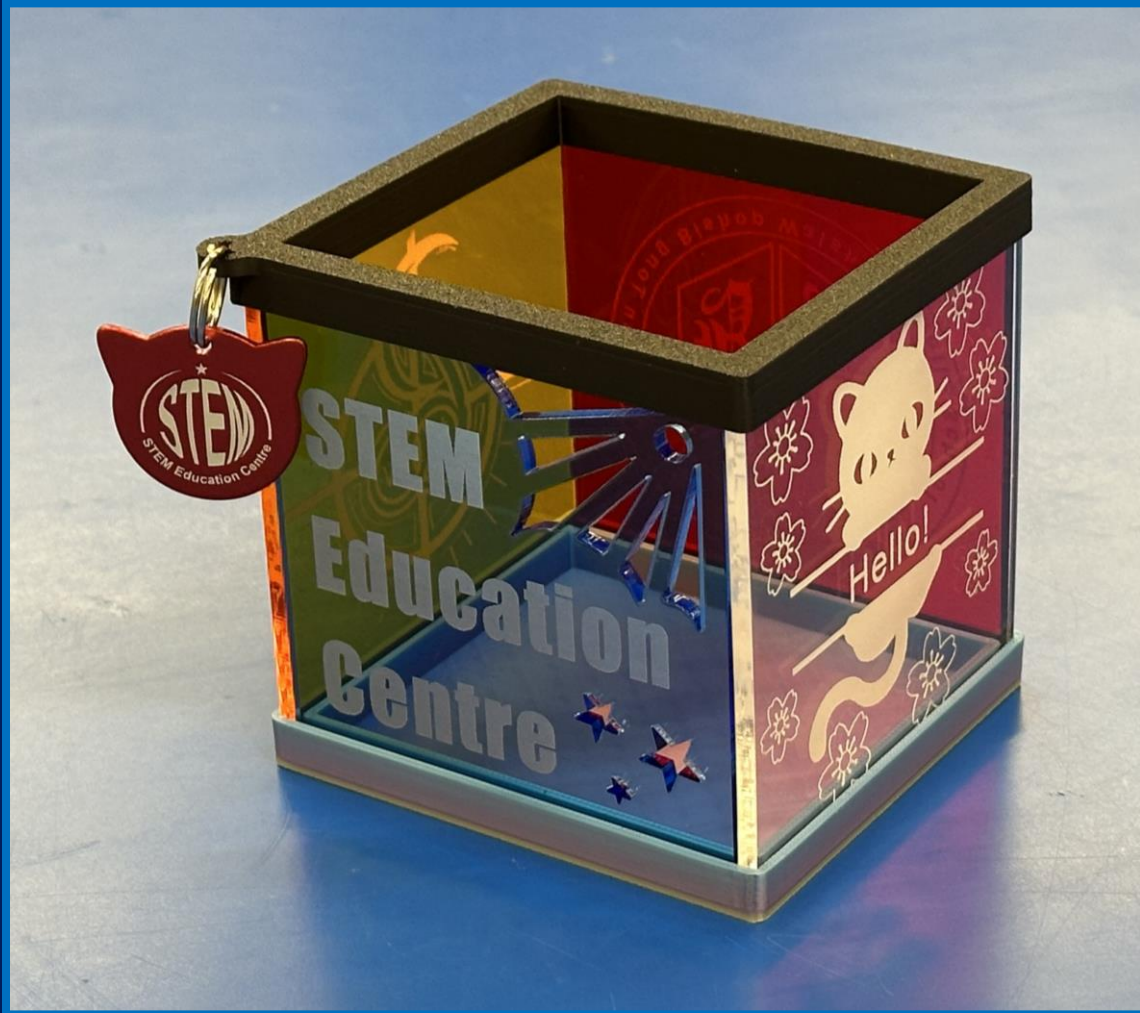


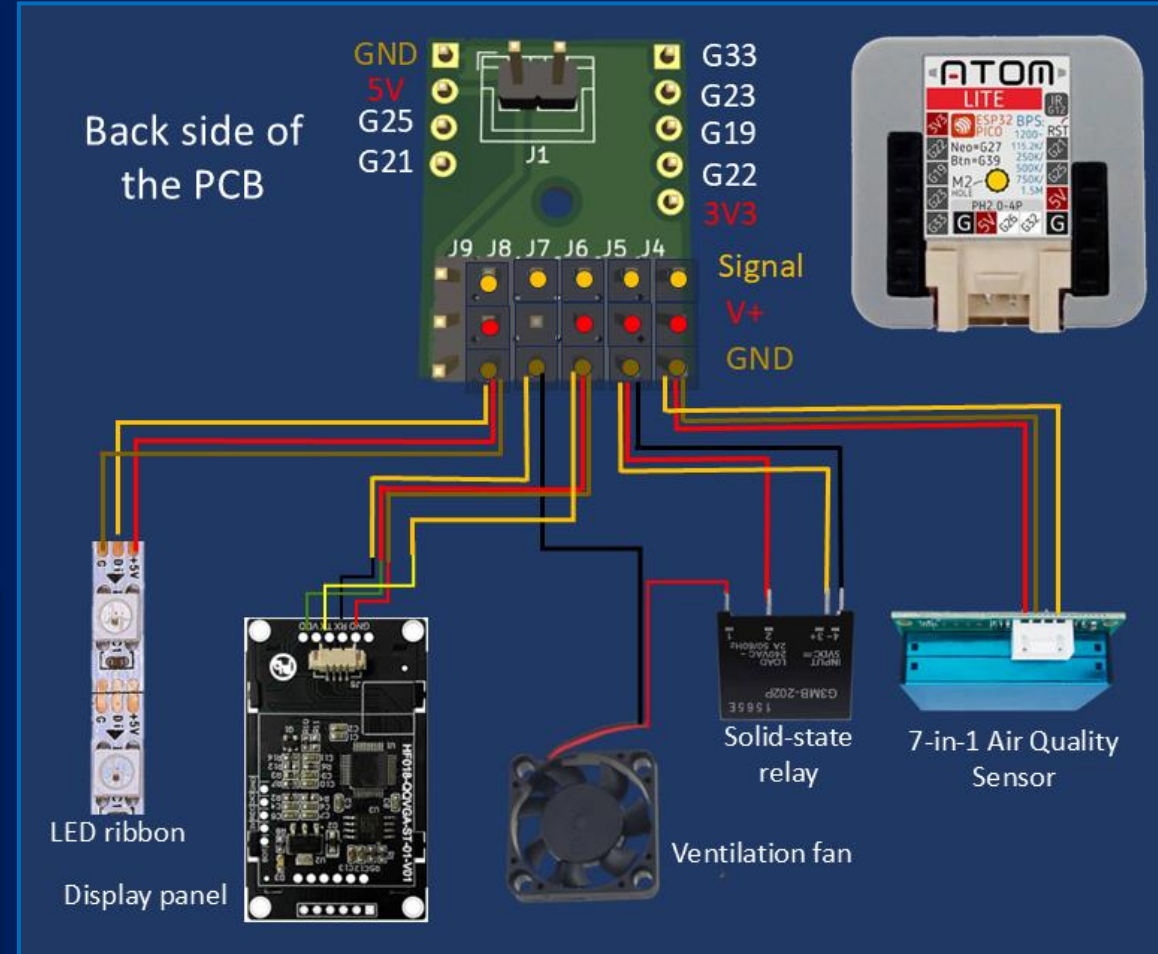
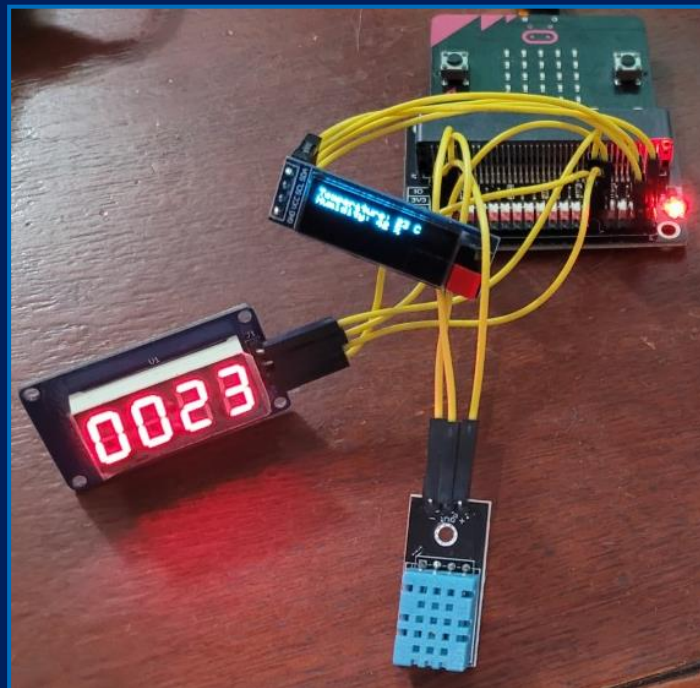
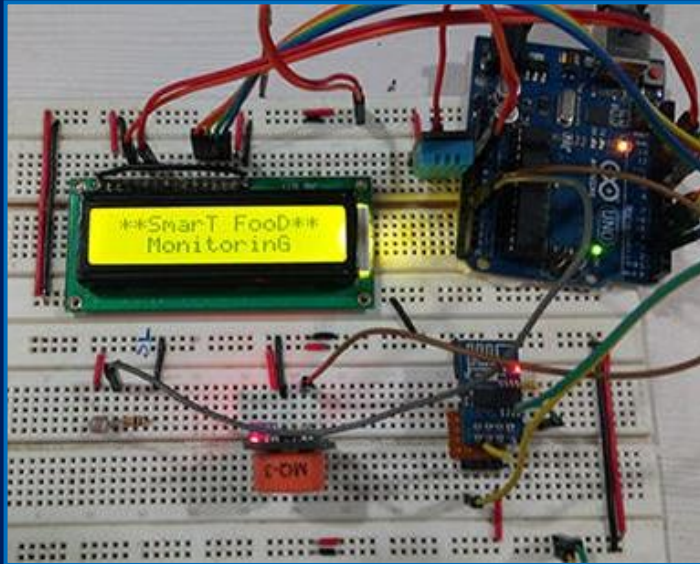
Application of the Commonly Used Tools and Equipment in STEAM Learning Activities

STEAM 學習活動中常用工具和設備的應用



STEM Education Centre
09 Oct 2024

Application of the Commonly Used Tools and Equipment in STEAM Learning Activities



Your project for today



Application of the Commonly Used Tools and Equipment in STEAM Learning Activities

STEAM 學習活動中常用工具和設備的應用

Time 時間	Content/Activity 內容/活動	Speaker 講者
15:15 – 16:45	<p>Hands - on practice: Making a stationery box by using following equipment</p> <ul style="list-style-type: none">a. Laser cuttersb. 3D printerc. Laser engravers <p>動手實踐：使用以下設備製作文具盒</p> <ul style="list-style-type: none">a. 鐳射切割機b. 3D 打印機c. 鐳射雕刻機	<p>Project Manager / Project Officer of STEM Education Centre</p> <p>STEM 教育中心項目經理/項目主任</p>
16:30 – 16:45	Q&A 問與答	All speakers 所有講者



Raster

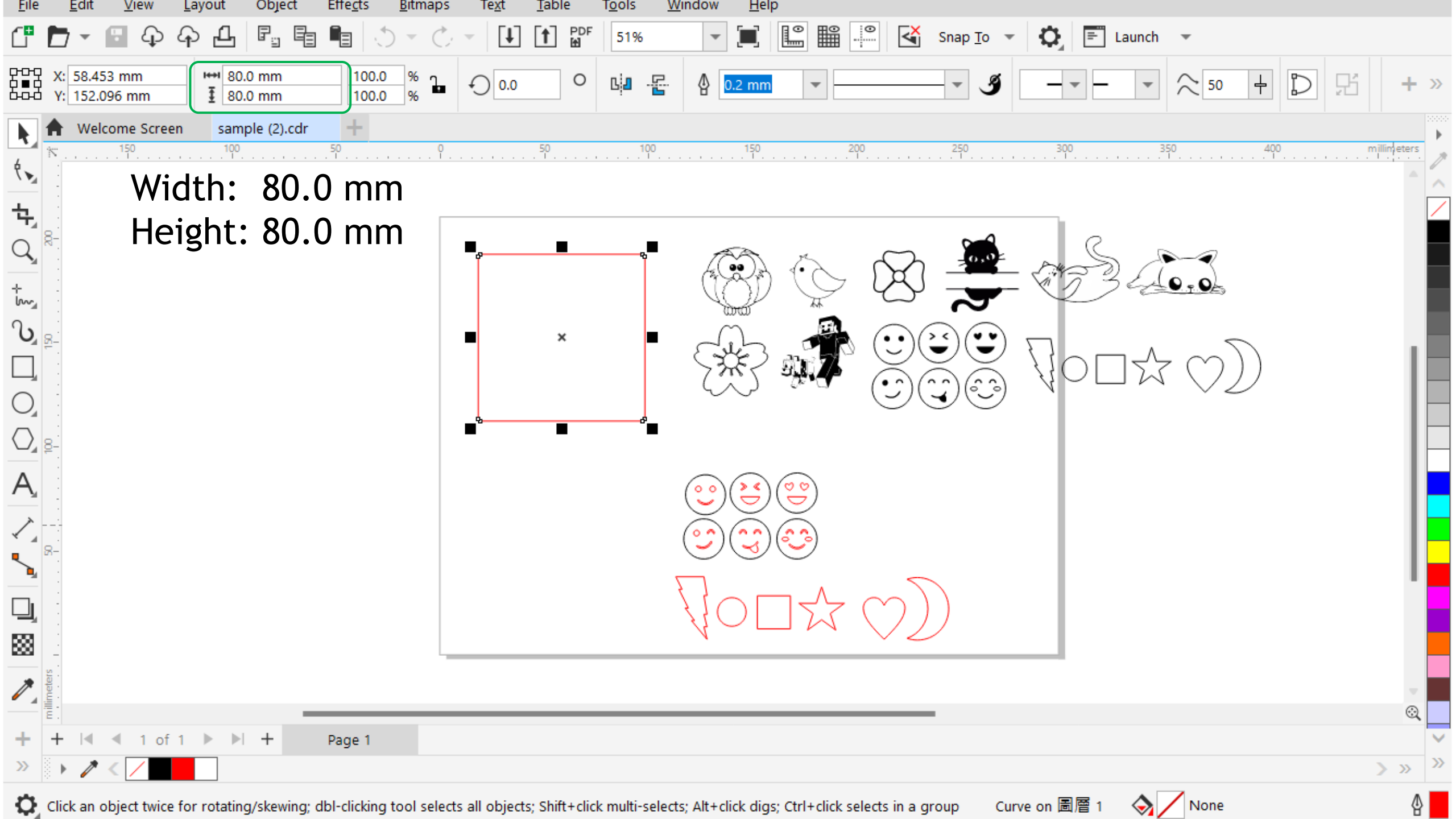
.jpeg .gif .png



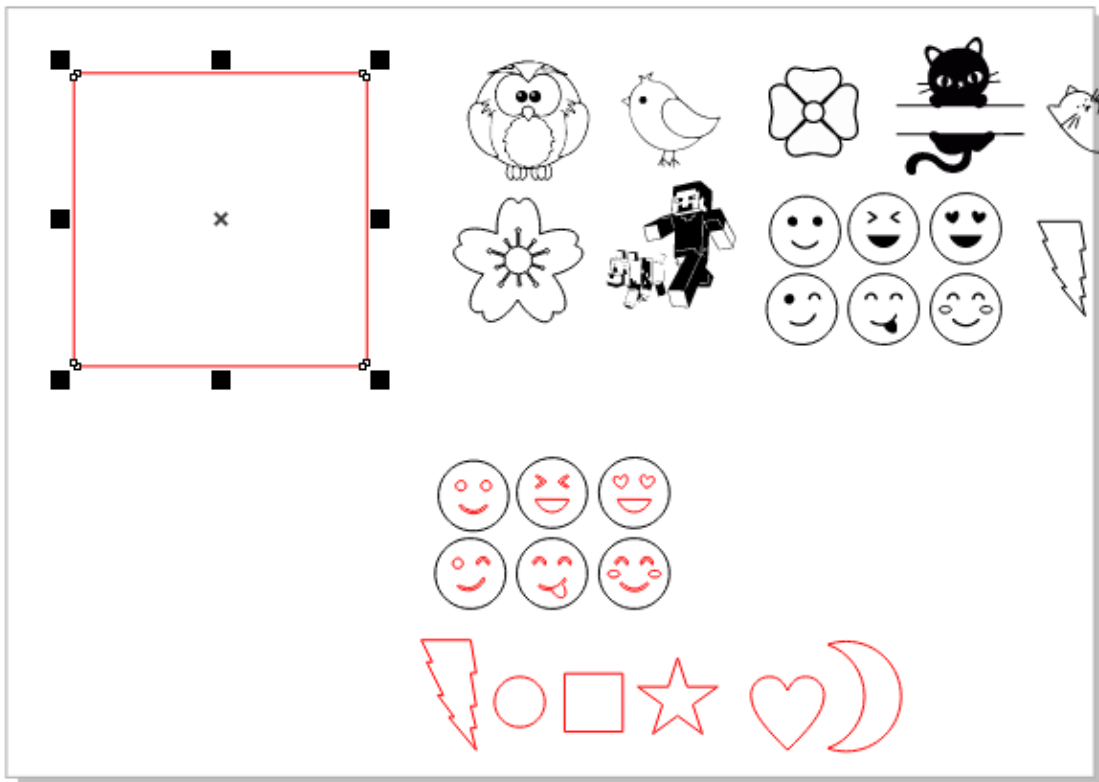
Vector

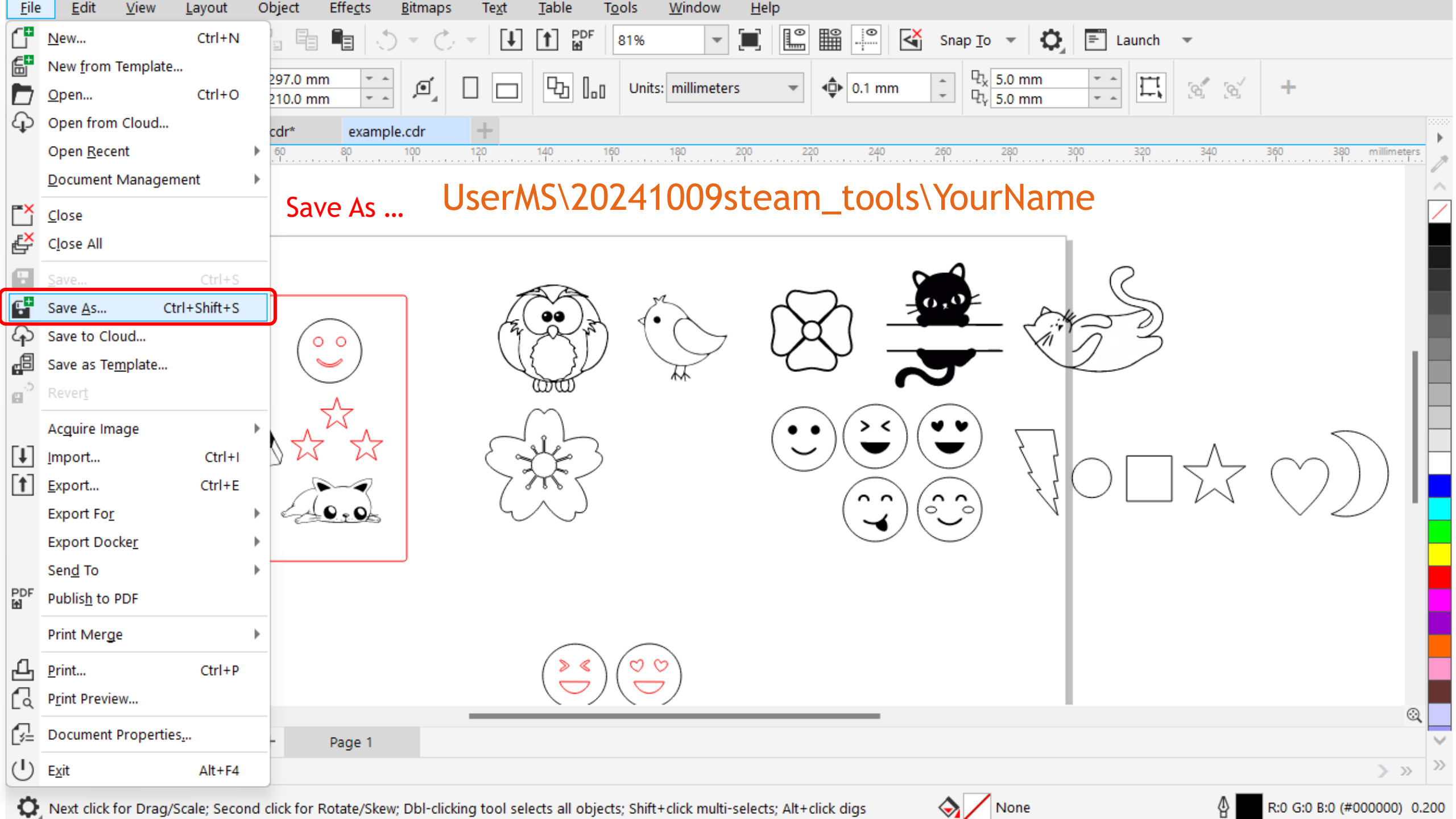
.svg

SVG: Scalable Vector Graphics.

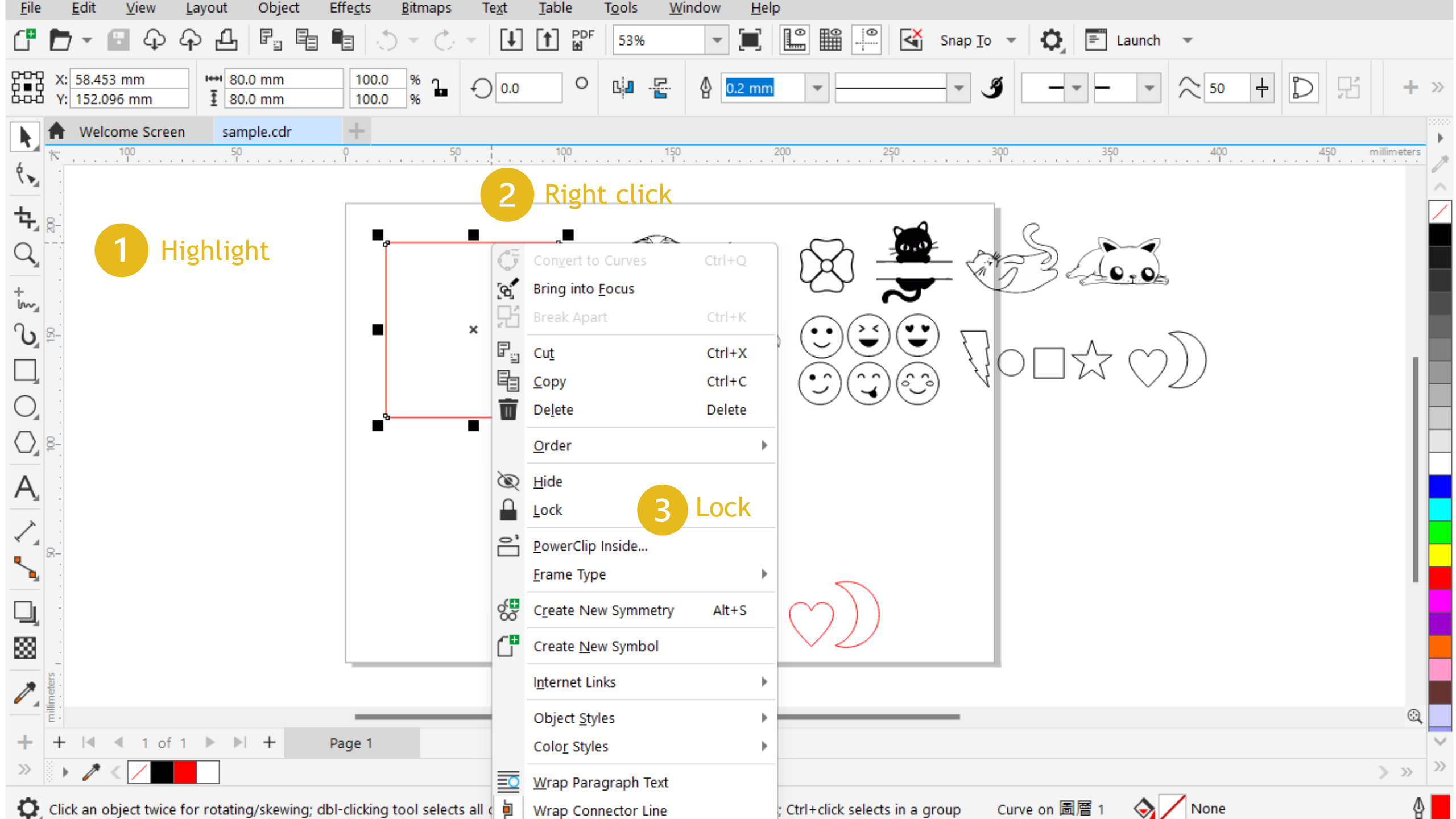


Width: 80.0 mm
Height: 80.0 mm





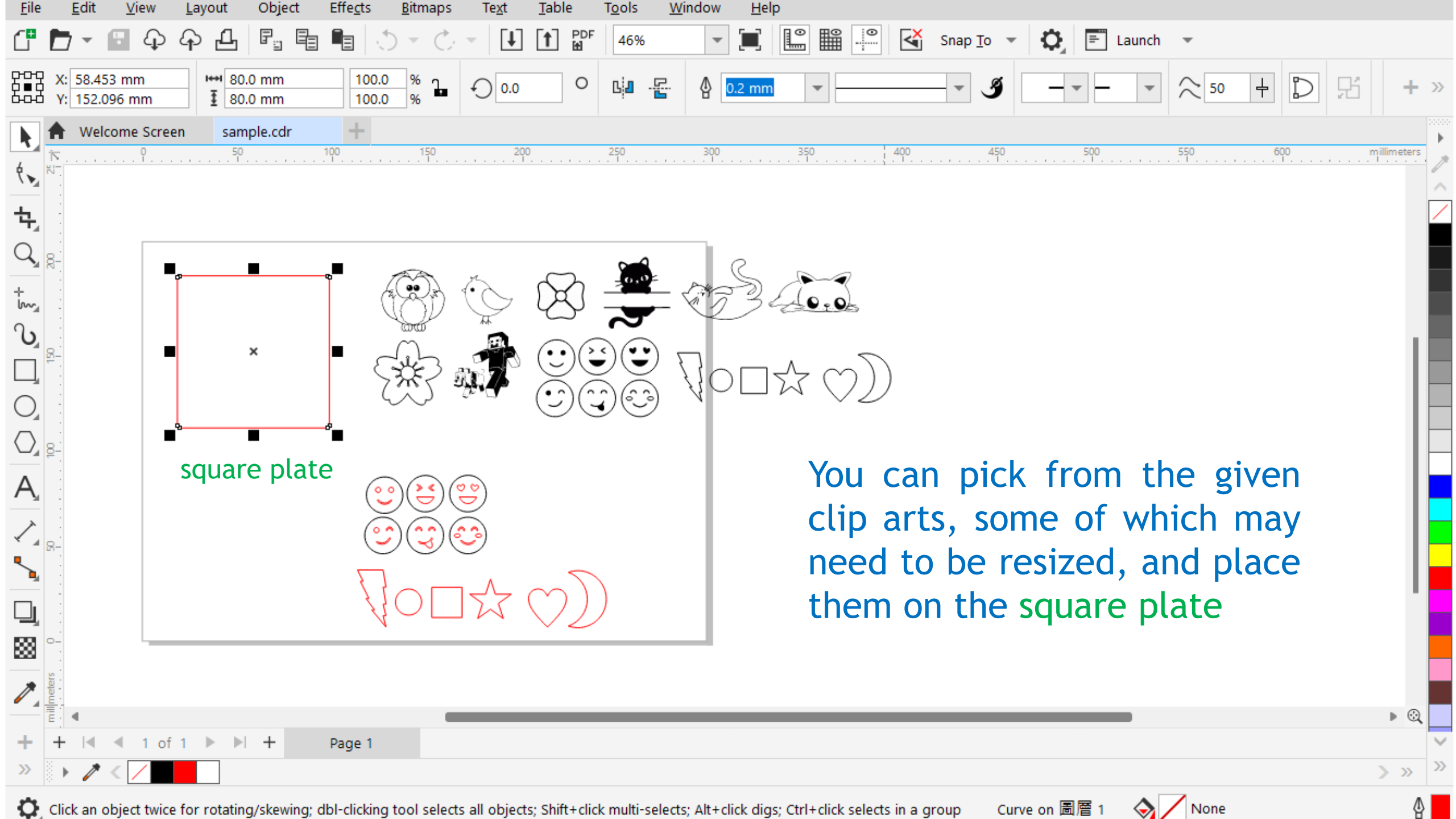
Save As ... UserMS\20241009steam_tools\YourName



1 Highlight

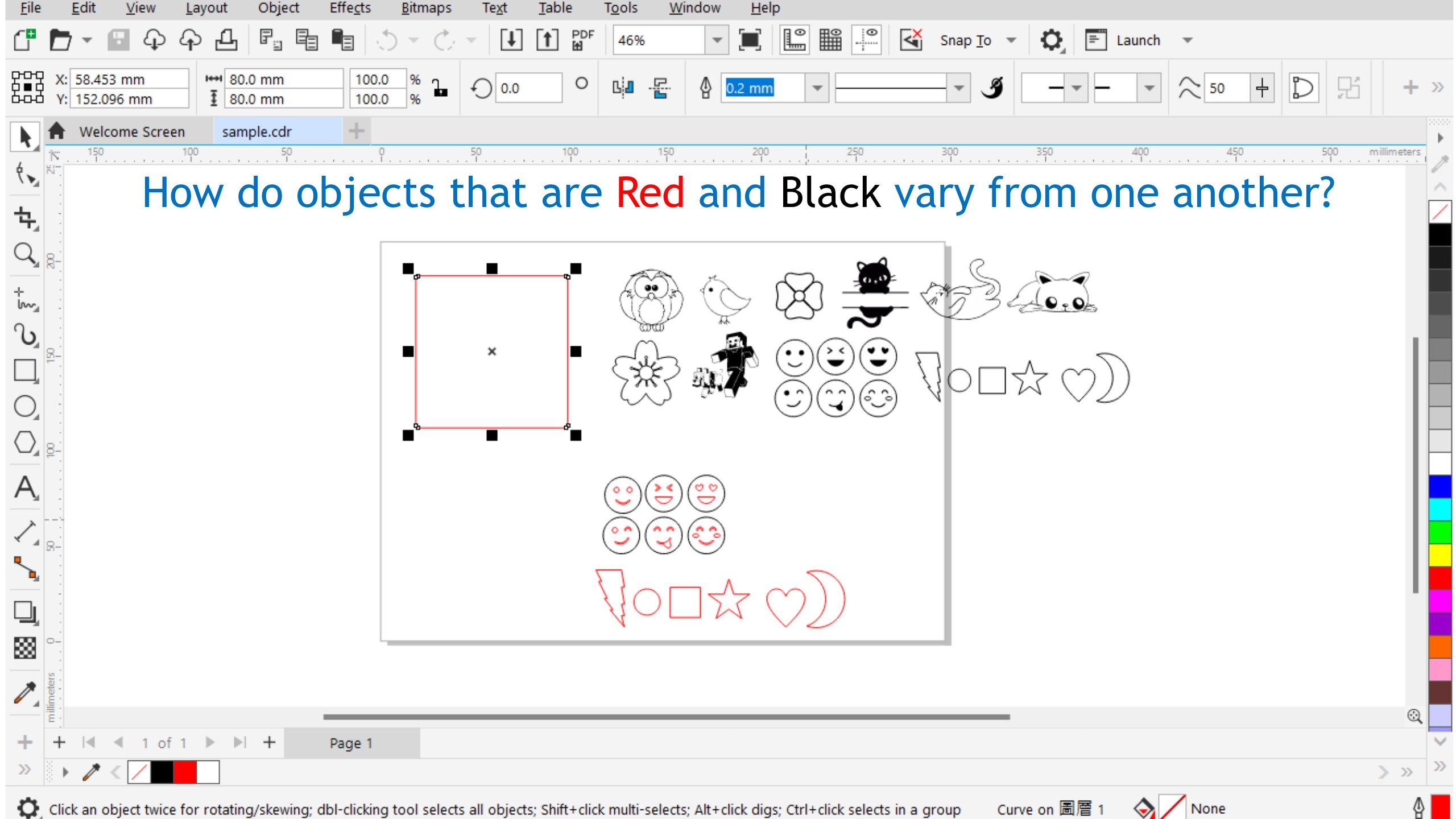
2 Right click

3 Lock

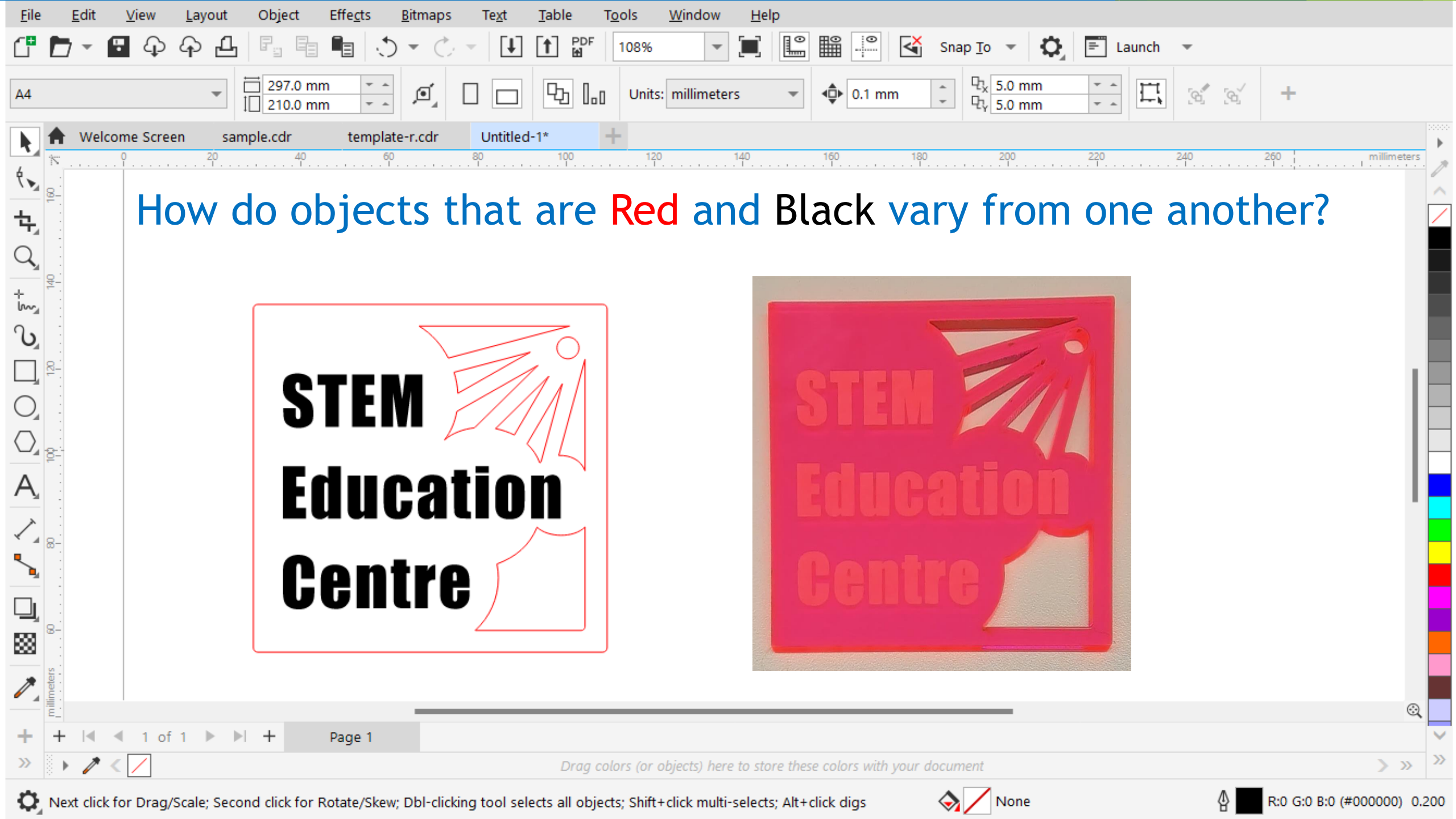


square plate

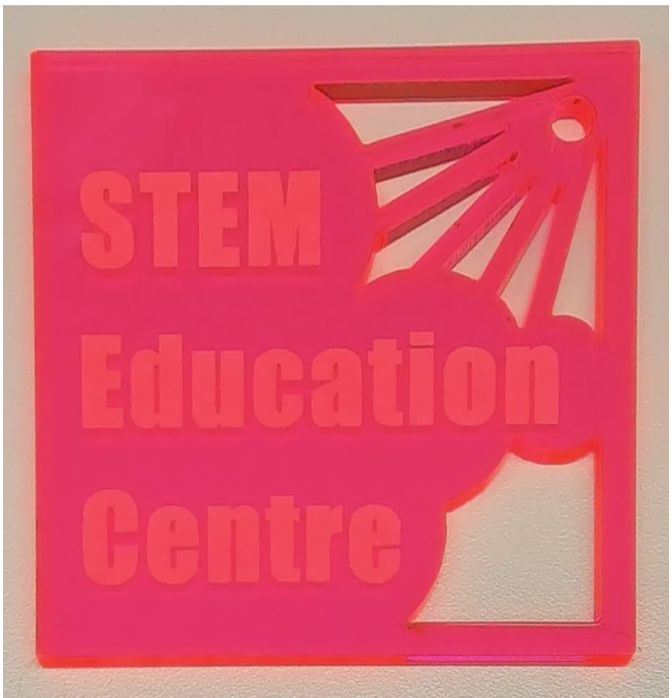
You can pick from the given clip arts, some of which may need to be resized, and place them on the square plate

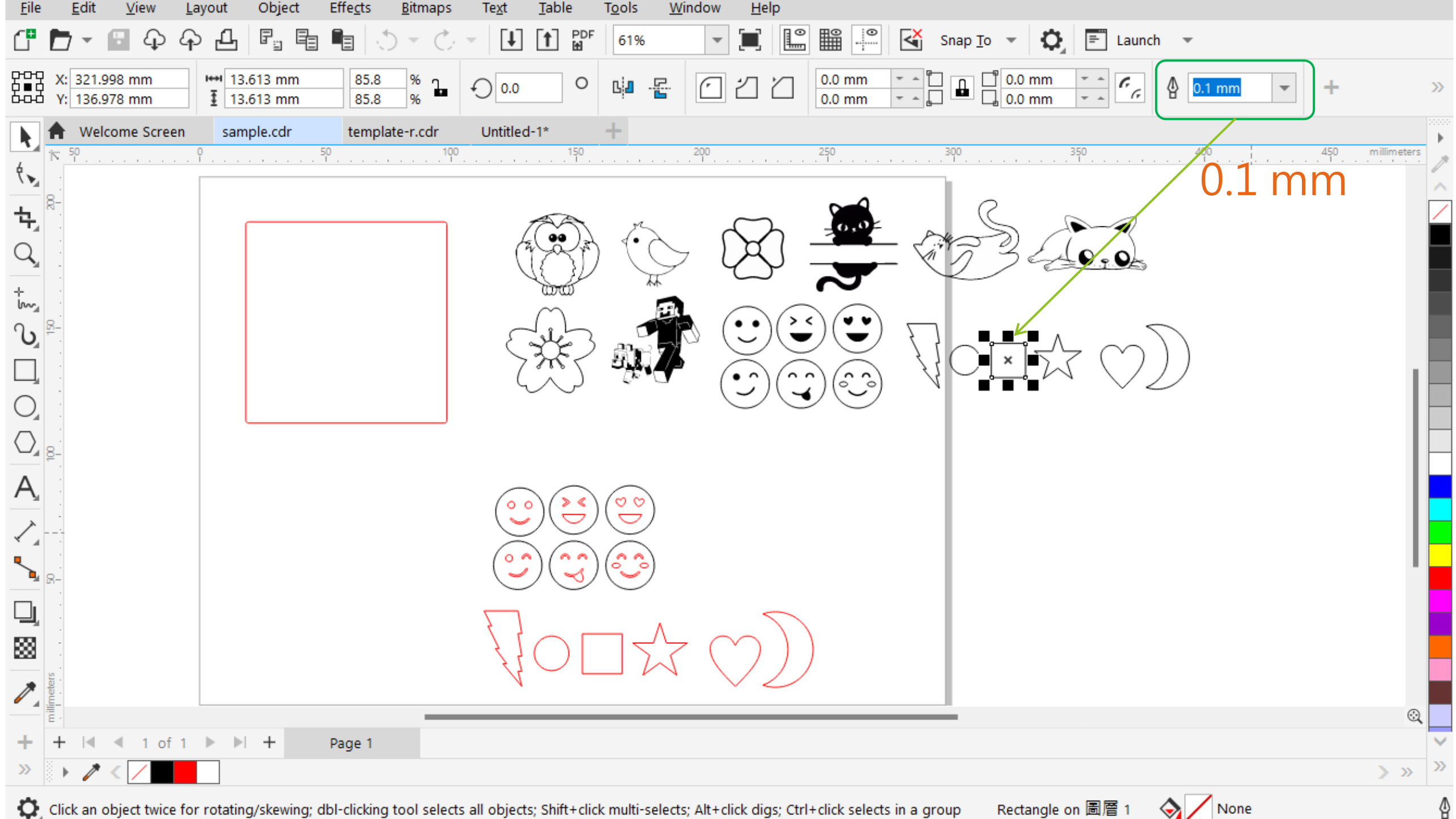


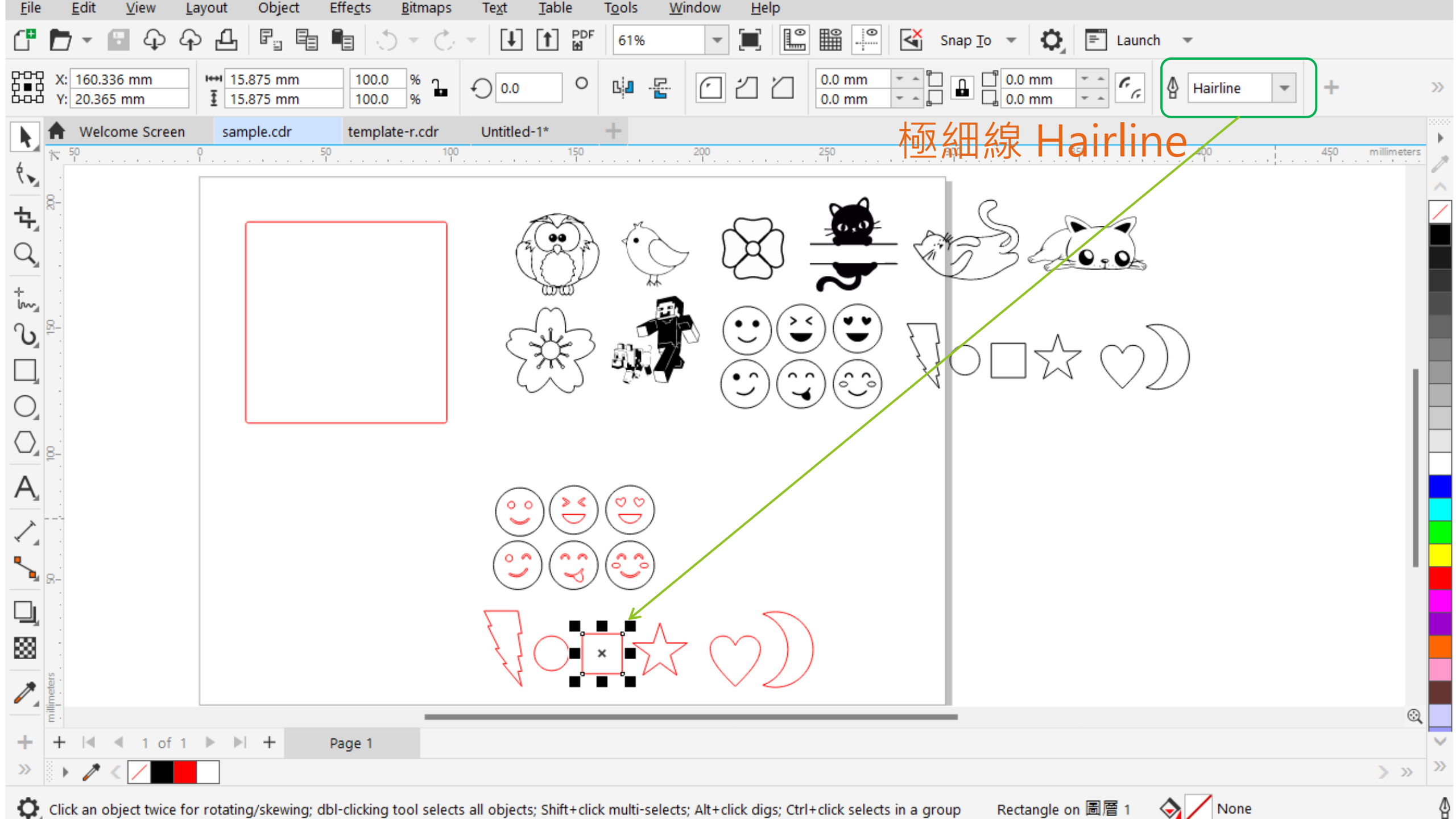
How do objects that are Red and Black vary from one another?



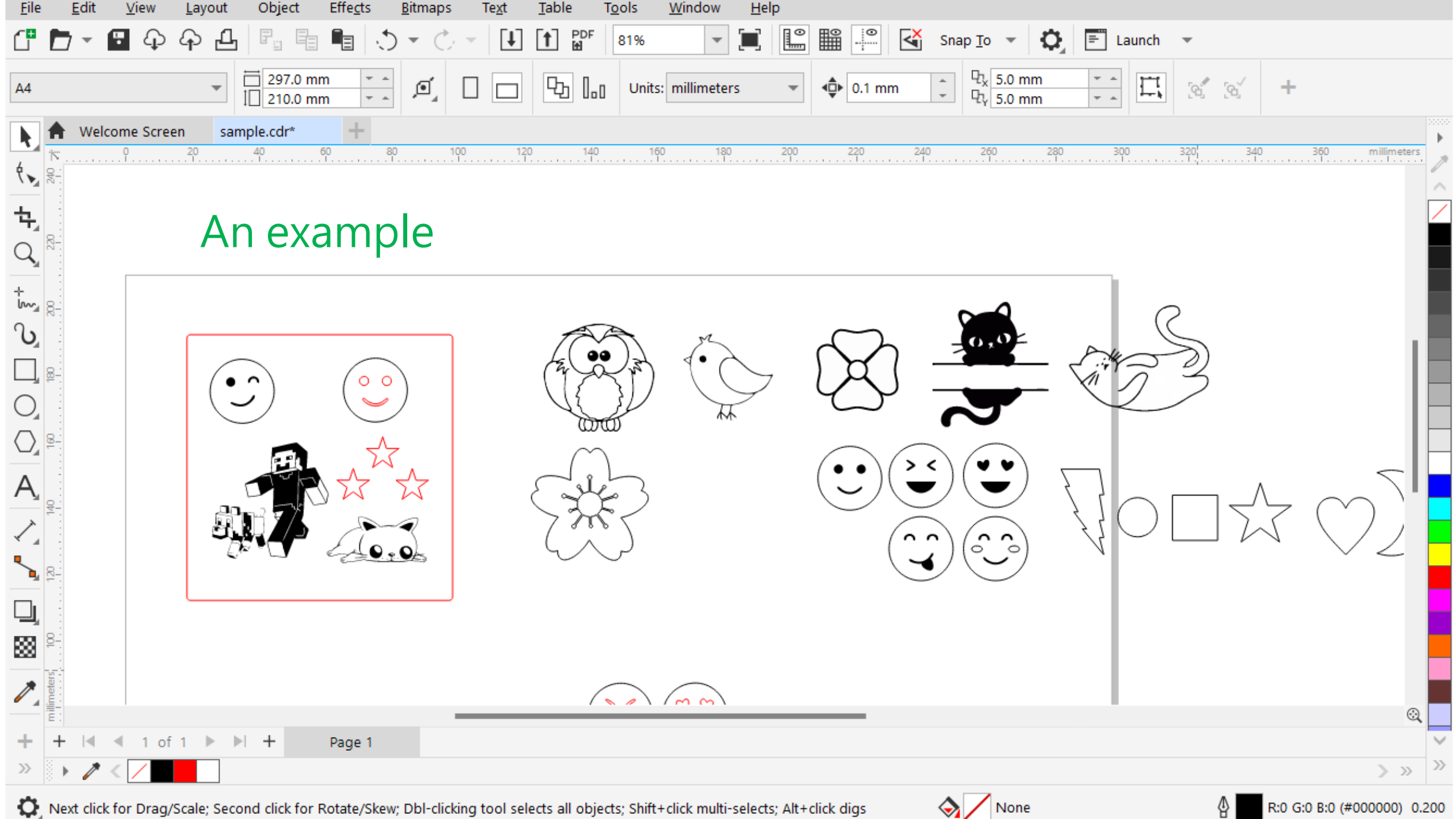
How do objects that are Red and Black vary from one another?







極細線 Hairline



An example

Importing images from other sources



cartoon cat black white **cartoon cat black white**



clipart



cute black kitten cartoon



coloring book



cat kitten



cat face



cute



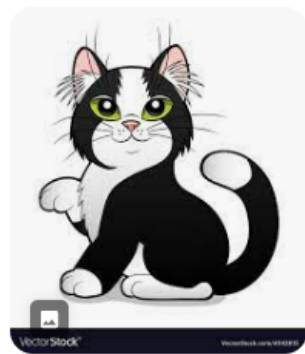
clip art



cat png



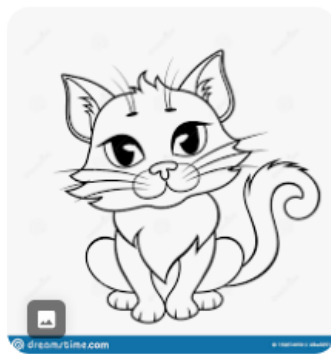
cat



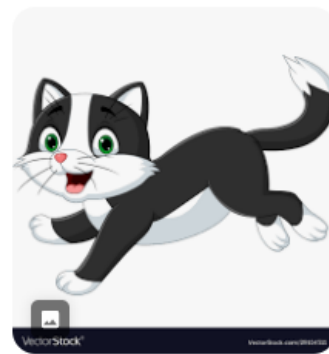
VectorStock
Cartoon black and w...



Freepik
Premium Vector | C...



Dreamstime.com
Cute Cartoon Cat. Blac...



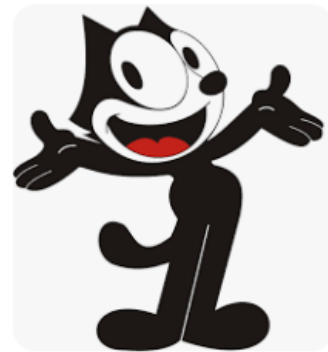
VectorStock
Cartoon black and whit...



Dreamstime.com
Black White Cat Stoc...



Freepik
Premium Vector | Black ...



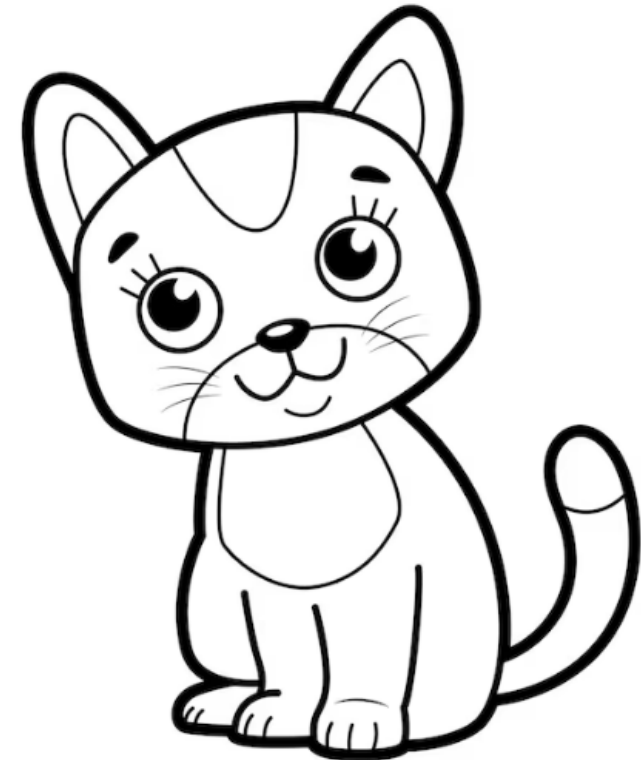
Cole & Marmalade
Famous Cartoon Cat C...



Pinterest
Can You Name The...



Freepik



626 x 626

Importing images from other sources

Google

cartoon cat black white



clipart



cute black kitten cartoon



coloring book



cat kitten



cat face



cute



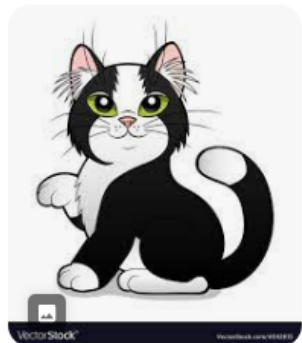
clip art



cat png



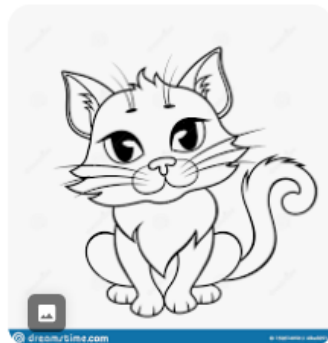
ca



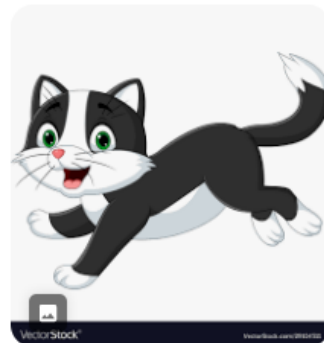
VectorStock
Cartoon black and w...



Freepik
Premium Vector | C...



Dreamstime.com
Cute Cartoon Cat. Blac...



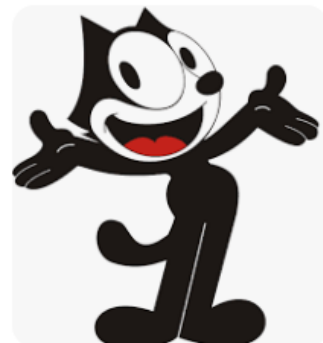
VectorStock
Cartoon black and whit...



Dreamstime.com
Black White Cat Stoc...



Freepik
Premium Vector | Black ...



Cole & Marmalade
Famous Cartoon Cat C...

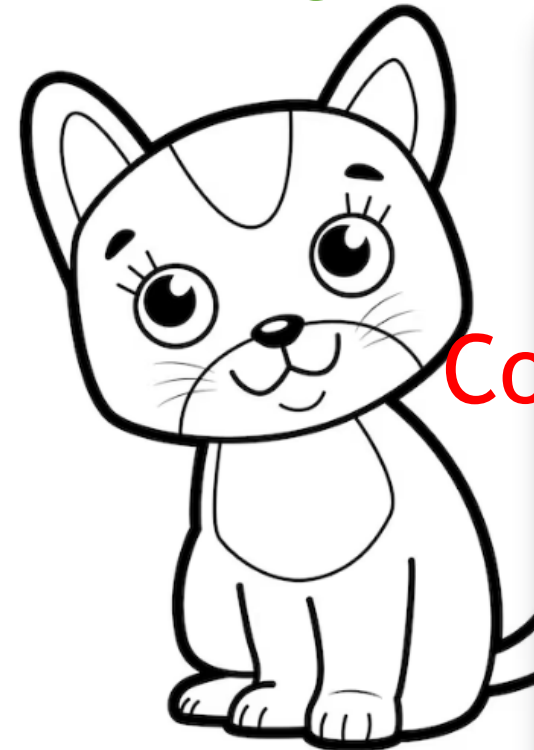


Pinterest
Can You Name The...



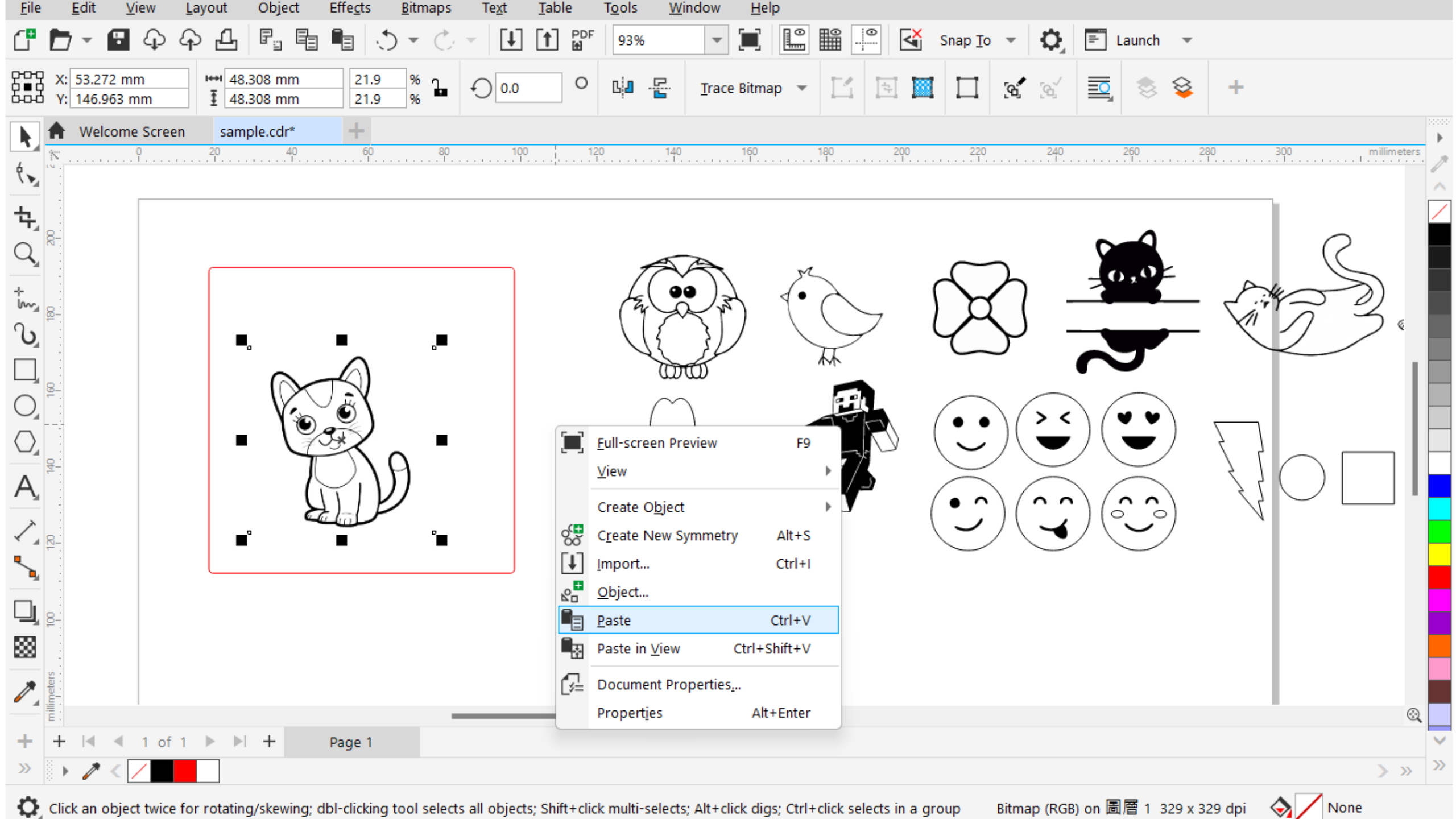
Freepik

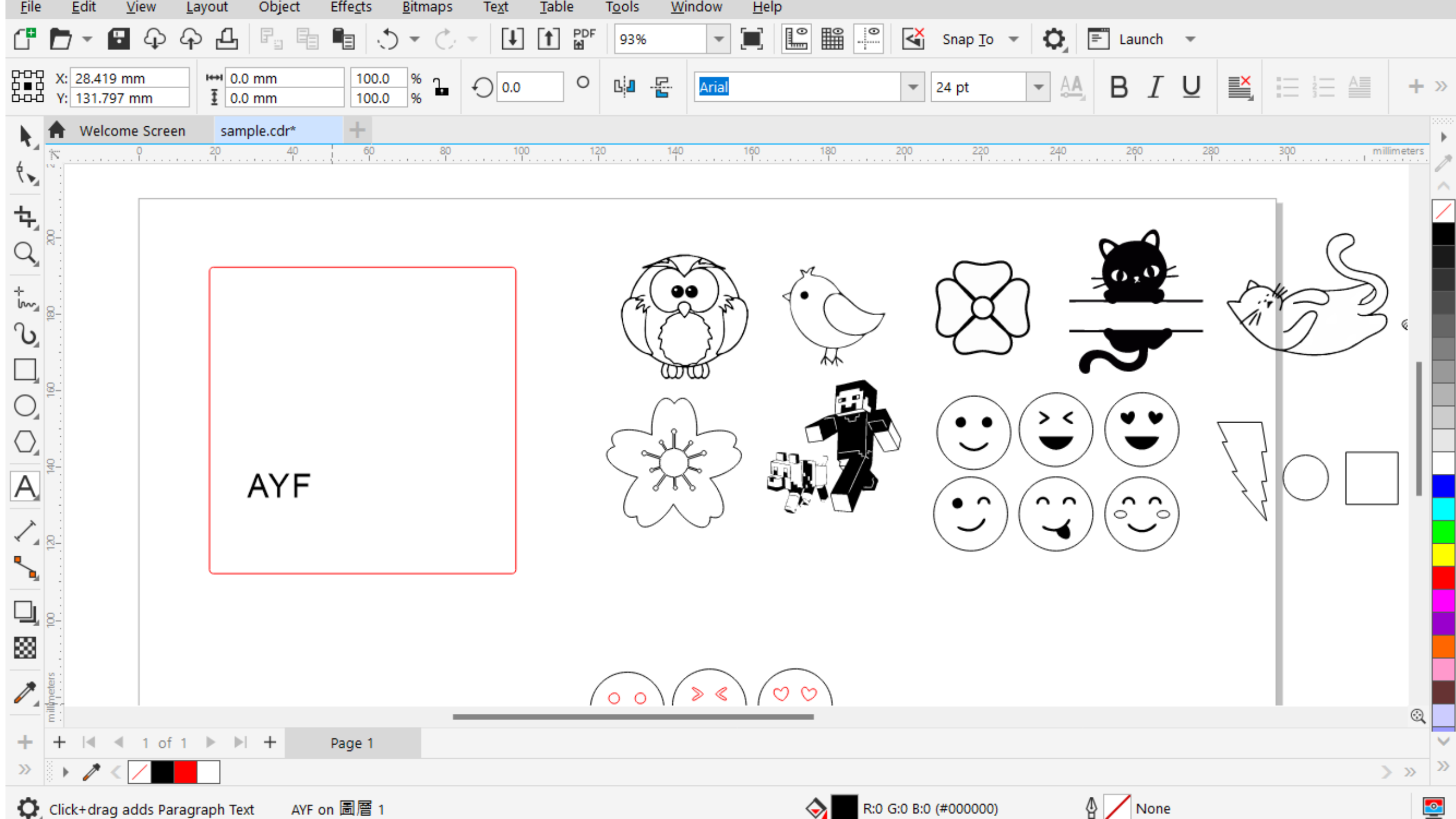
Right click

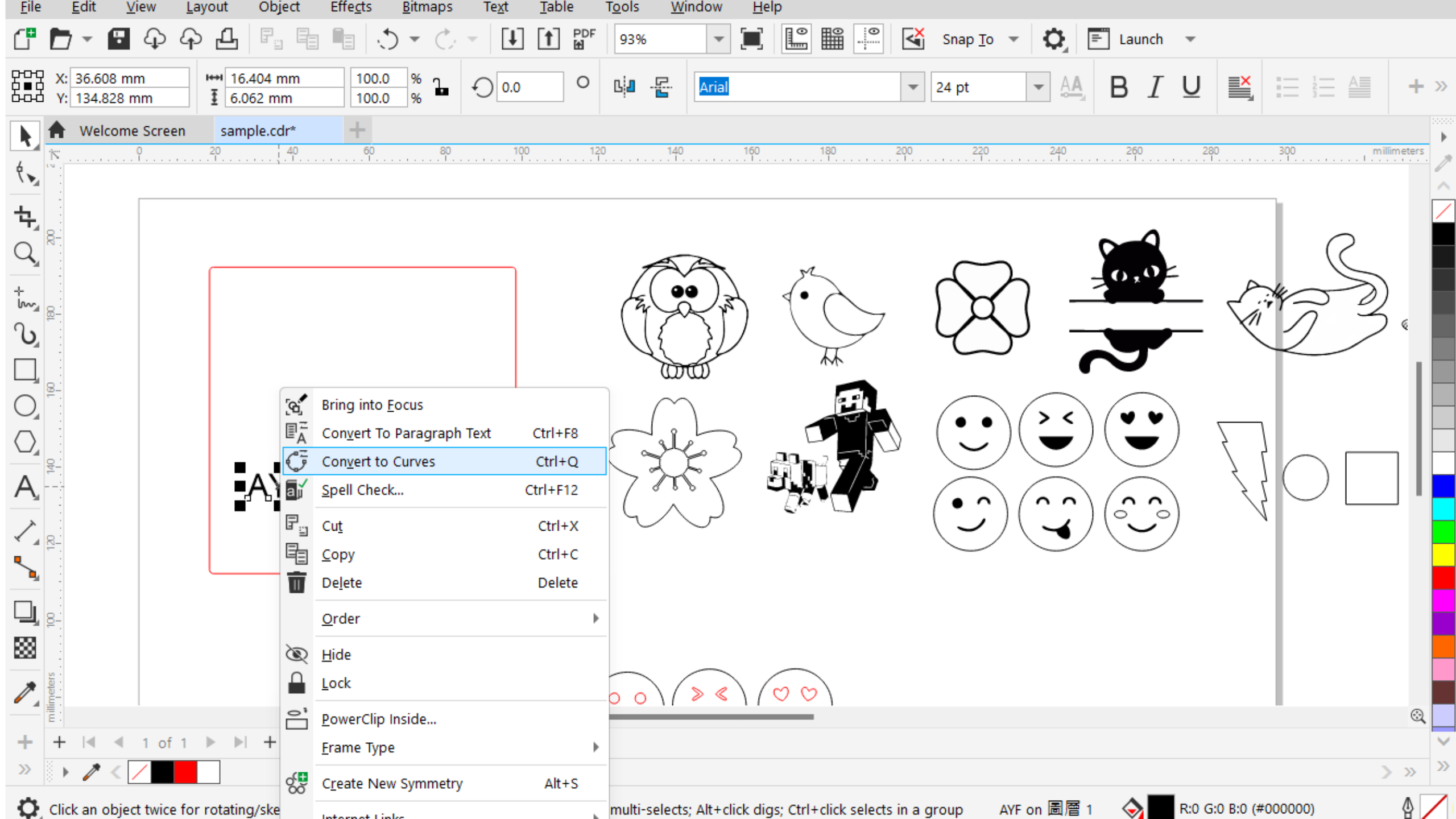


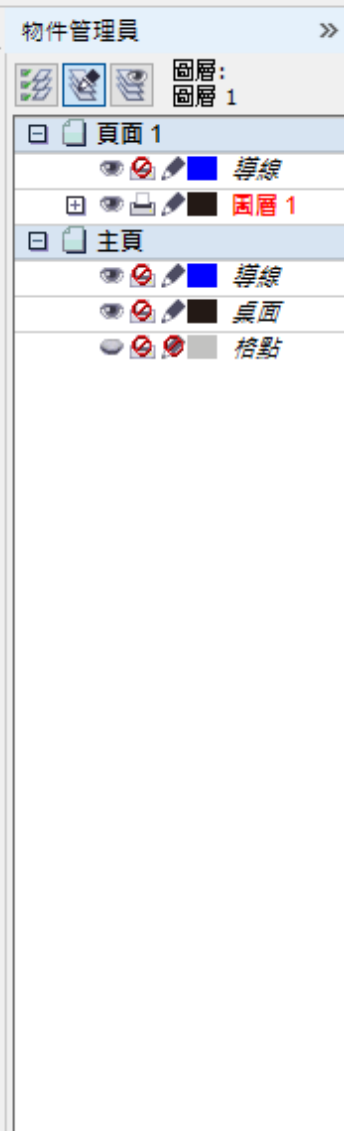
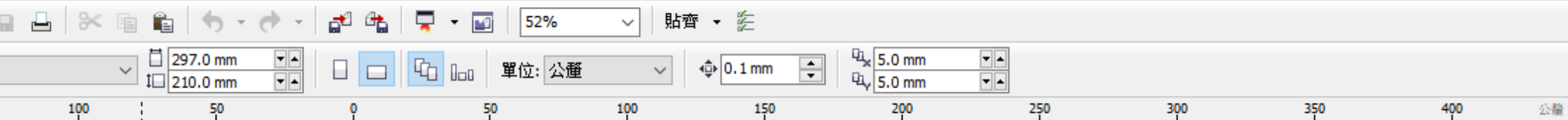
Copy image

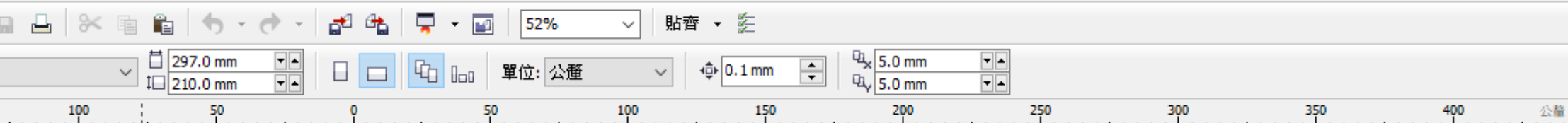
- Open link in new tab
- Open link in new window
- Open link in incognito window
- Create QR Code for this image
- Save link as...
- Copy link address
- Open image in new tab
- Save image as...
- Copy image
- Copy image address
- Search image with Google
- Adobe Acrobat: PDF edit, convert,
- Evernote Web Clipper
- IE Tab Options
- Search Image on TinEye












SpiritGLS-4.06-01 - 內容

Option **Pen** Advance Paper Language Raster

Mode Setting

- ☒ Black & White
- ☐ Manual Color Fill
- ☐ 3D Mode
- ☐ Stamp Mode
- ☐ Raster&Stamp

DPI: 500

☐ Mirror 

☐ Invert

☐ Print Immediately

☐ Smart ACT

☐ Preview

File Function

Save

Load

Original

Save To Default

Delete

History File

Parameter

確定 取消

物件管理員

圖層: 圖層 1

頁面 1

- 導線
- 圖層 1

主頁

- 導線
- 桌面
- 格點

SpiritGLS-4.06-01 - 內容

Color Speed Power

Option Pen Advance Paper Language Raster

Pen No.	Color	Speed	Power	PPI	Raster	Vector	Air	AF	Defocus	Bridge	Repeat
1	Black	50.0	50	400	YES	YES	NO	NO	0.0	0	1
2	Red	50.0	50	400	YES	YES	NO	NO	0.0	0	1
3	Green	50.0	50	400	YES	YES	NO	NO	0.0	0	1
4	Yellow	50.0	50	400	YES	YES	NO	NO	0.0	0	1
5	Blue	50.0	50	400	YES	YES	NO	NO	0.0	0	1
6	Magenta	50.0	50	400	YES	YES	NO	NO	0.0	0	1
7	Cyan	50.0	50	400	YES	YES	NO	NO	0.0	0	1
8	Light Blue	50.0	50	400	YES	YES	NO	NO	0.0	0	1
9	Light Green	50.0	50	400	YES	YES	NO	NO	0.0	0	1
10	Light Yellow	50.0	50	400	YES	YES	NO	NO	0.0	0	1
11	Light Blue	50.0	50	400	YES	YES	NO	NO	0.0	0	1
12	Light Magenta	50.0	50	400	YES	YES	NO	NO	0.0	0	1

Speed: < 50.0 >
Power: < 50 >
PPI: < 400 >
Defocus: < 0.0 mm >
Bridge: < 0 mm >

☒ Raster
☒ Vector
☐ Air
☐ Auto Focus
☐ Defocus
☐ Bridge Cutting
Repeat: 1

確定 取消

列印

一般

目的地

印表機

頁面(A)

狀態:

位置:

備註:

列印範圍

☒ 目前

☐ 目前

☐ 頁

列印樣式

預覽

物件管理員

圖層:
圖層 1

頁面 1

導線

圖層 1

主頁

導線

桌面

格點

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打开图片



保存



输入文字



二维码



条形码



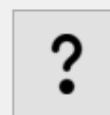
图形



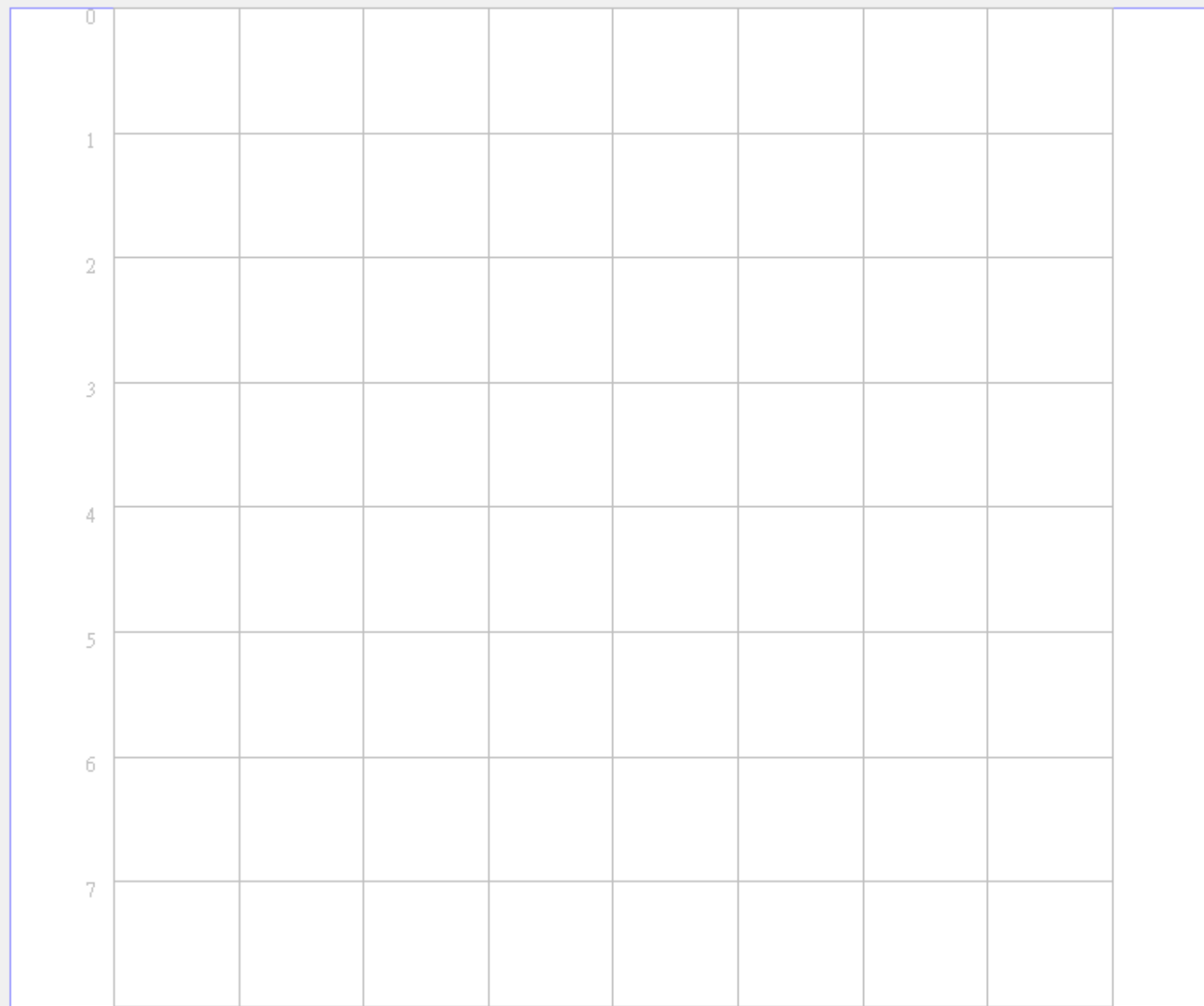
设置



连接设备



帮助



功率：100%

速度：90%

对比度：50%

填充密度：5

☐ 填充

次数：

1

宽度：

0

高度：

0

☒ 等比缩放

黑白

灰度

轮廓

素描

X镜像

Y镜像

反色

到中心



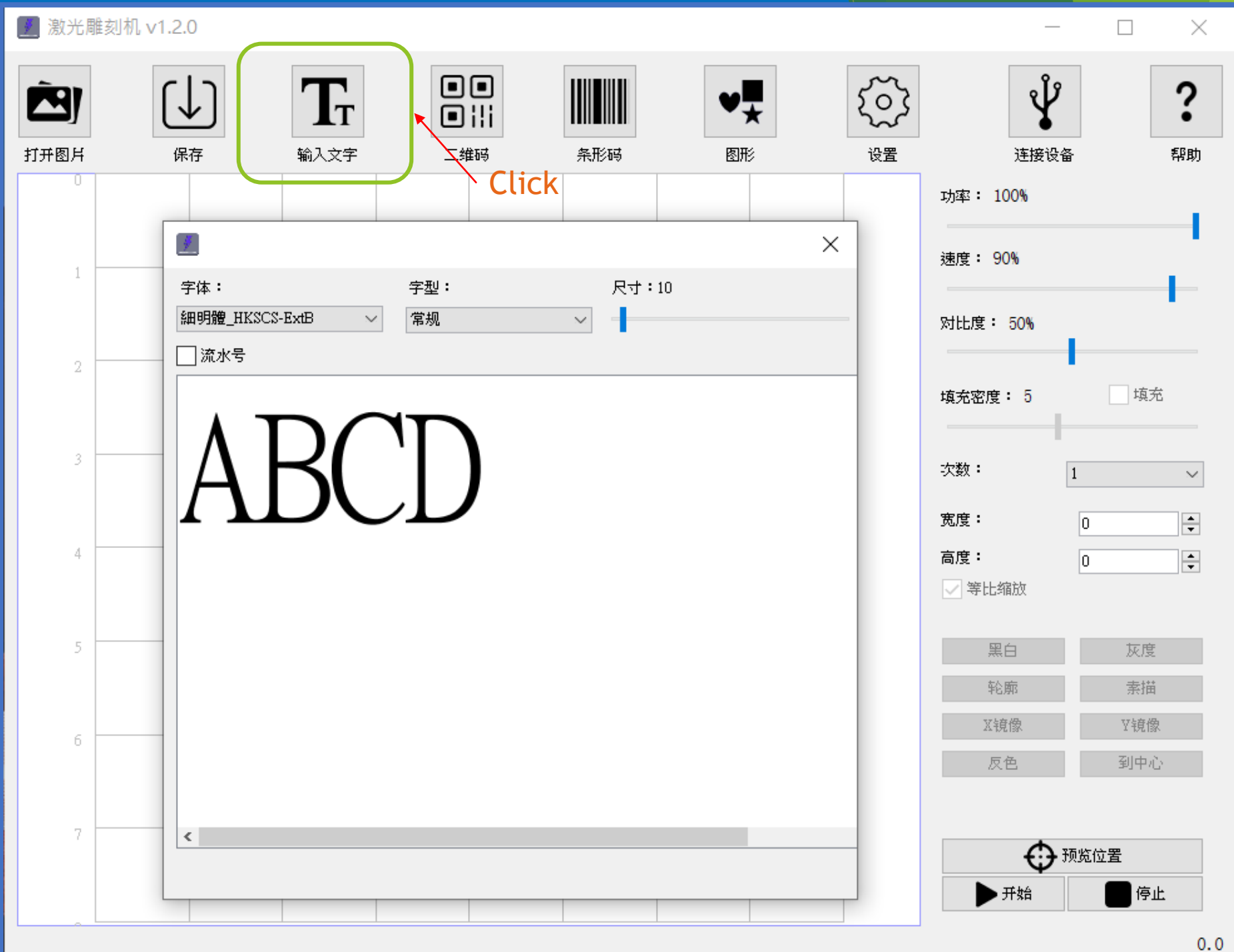
预览位置

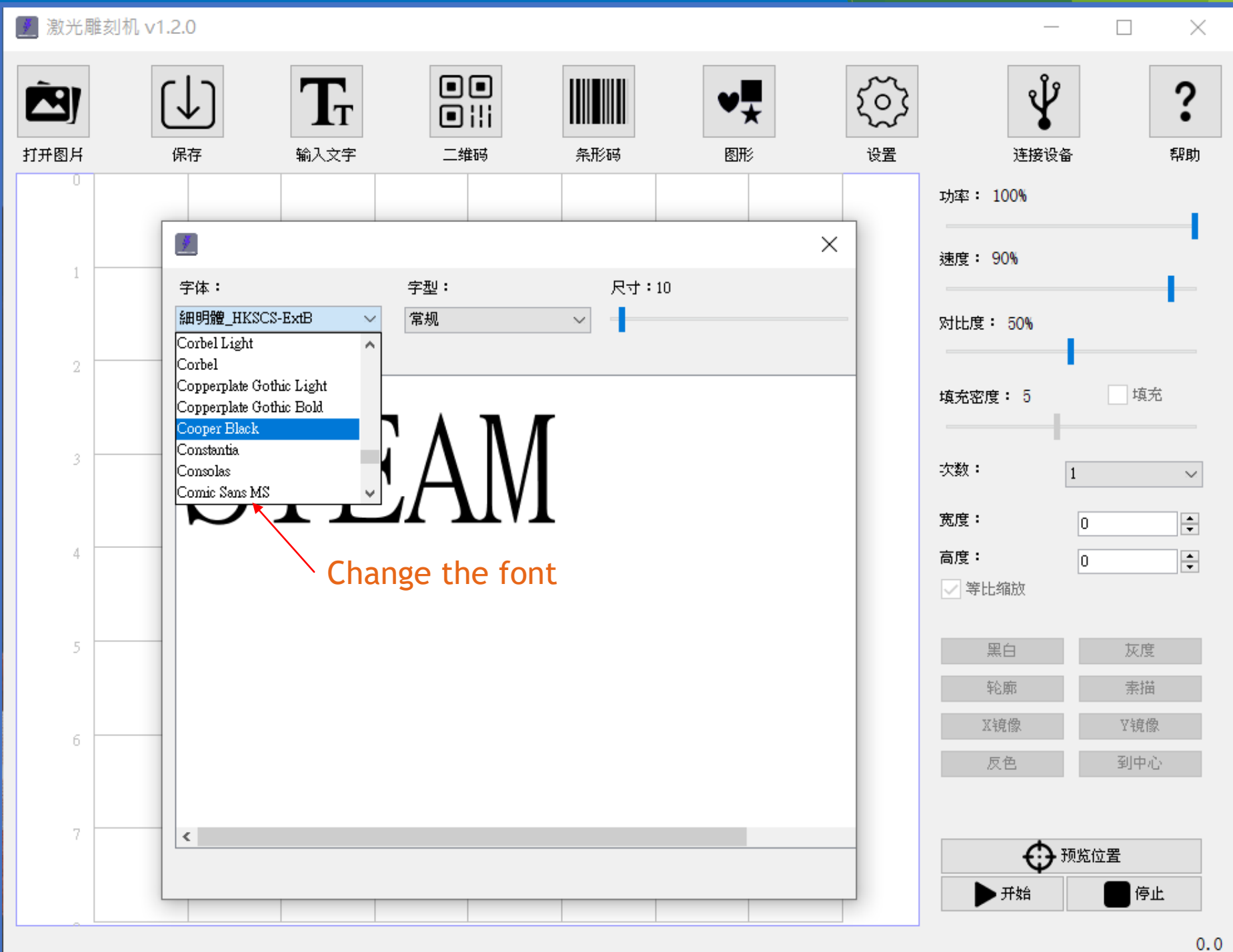


开始

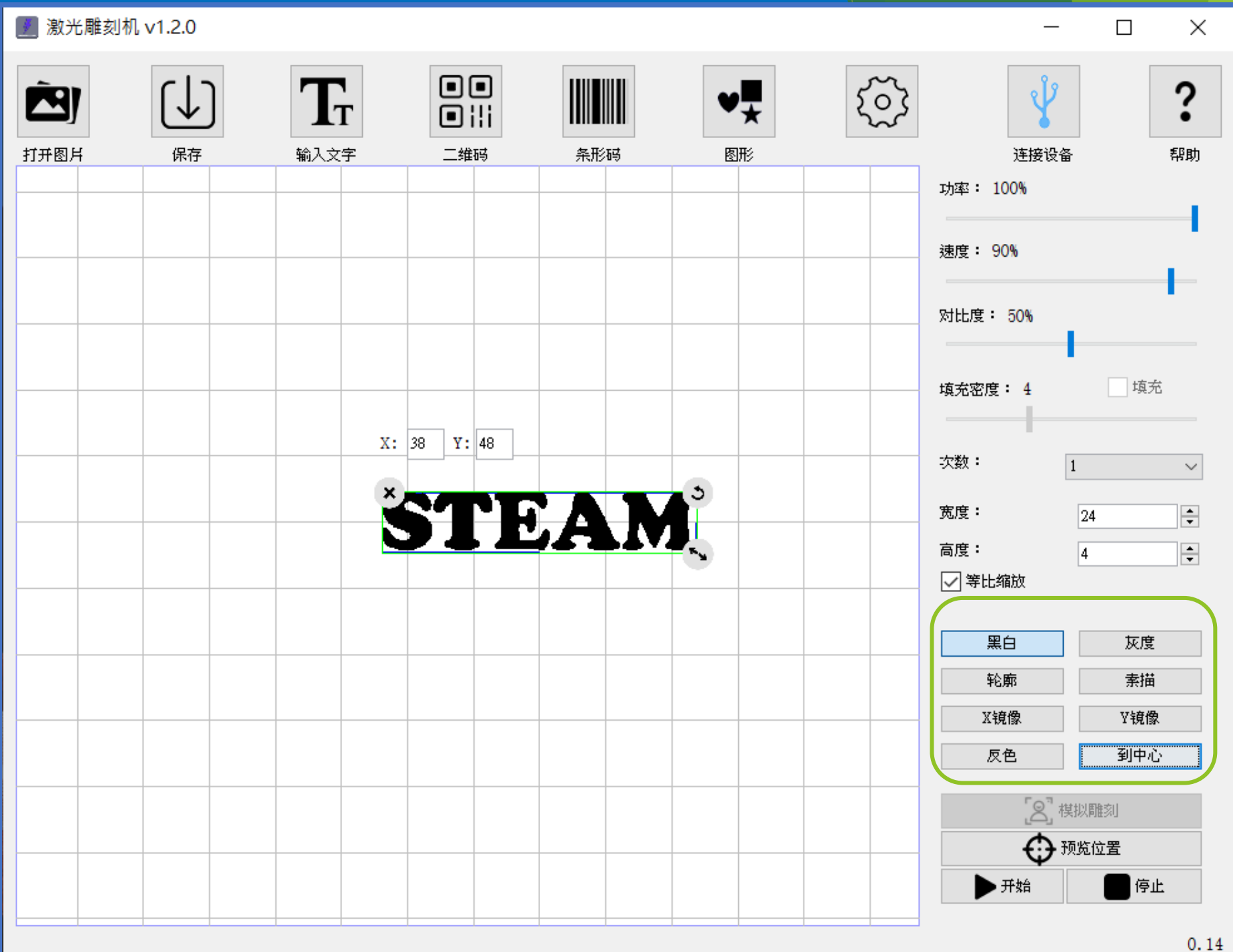


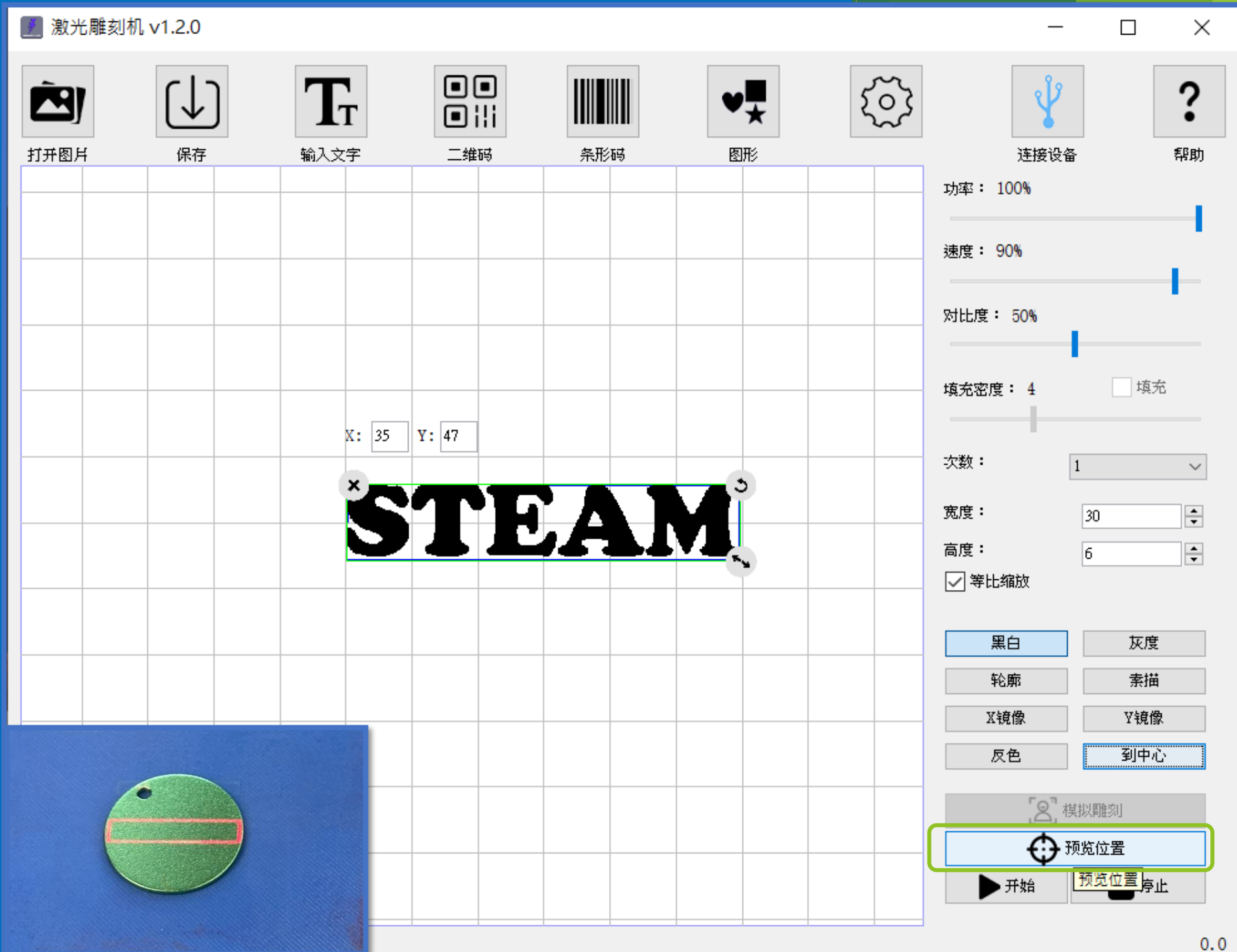
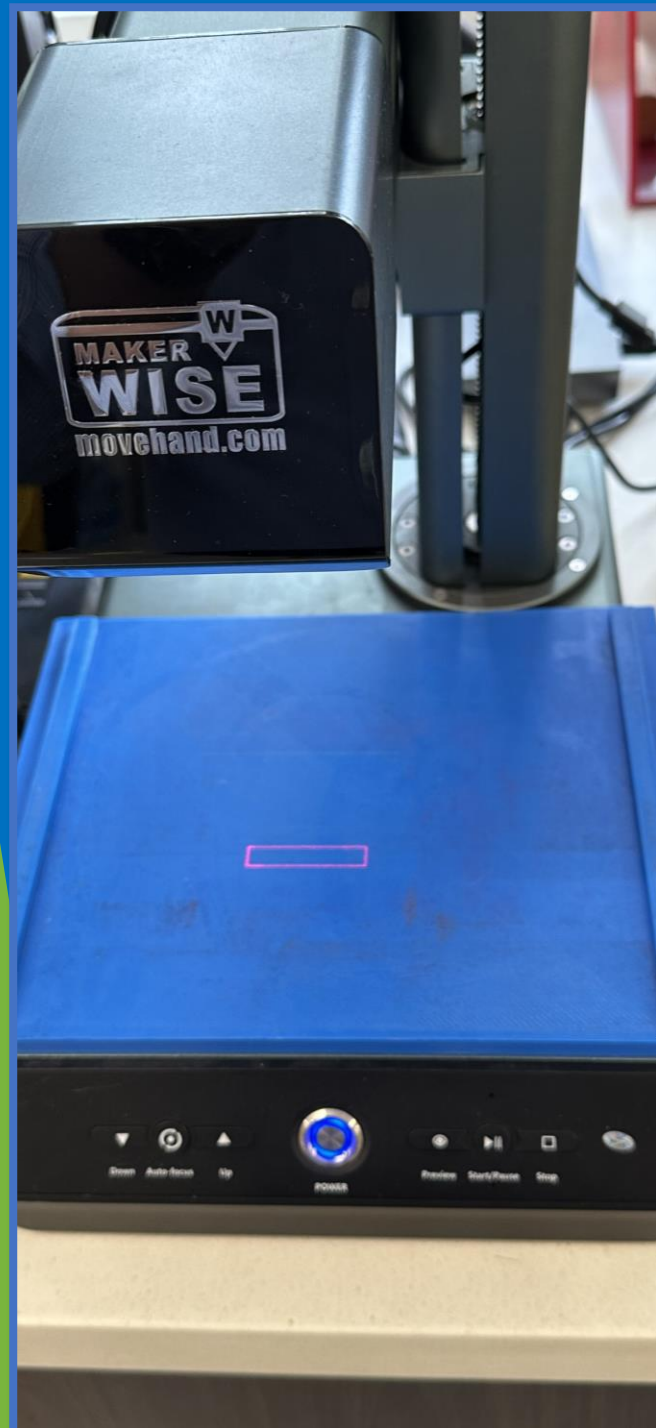
停止

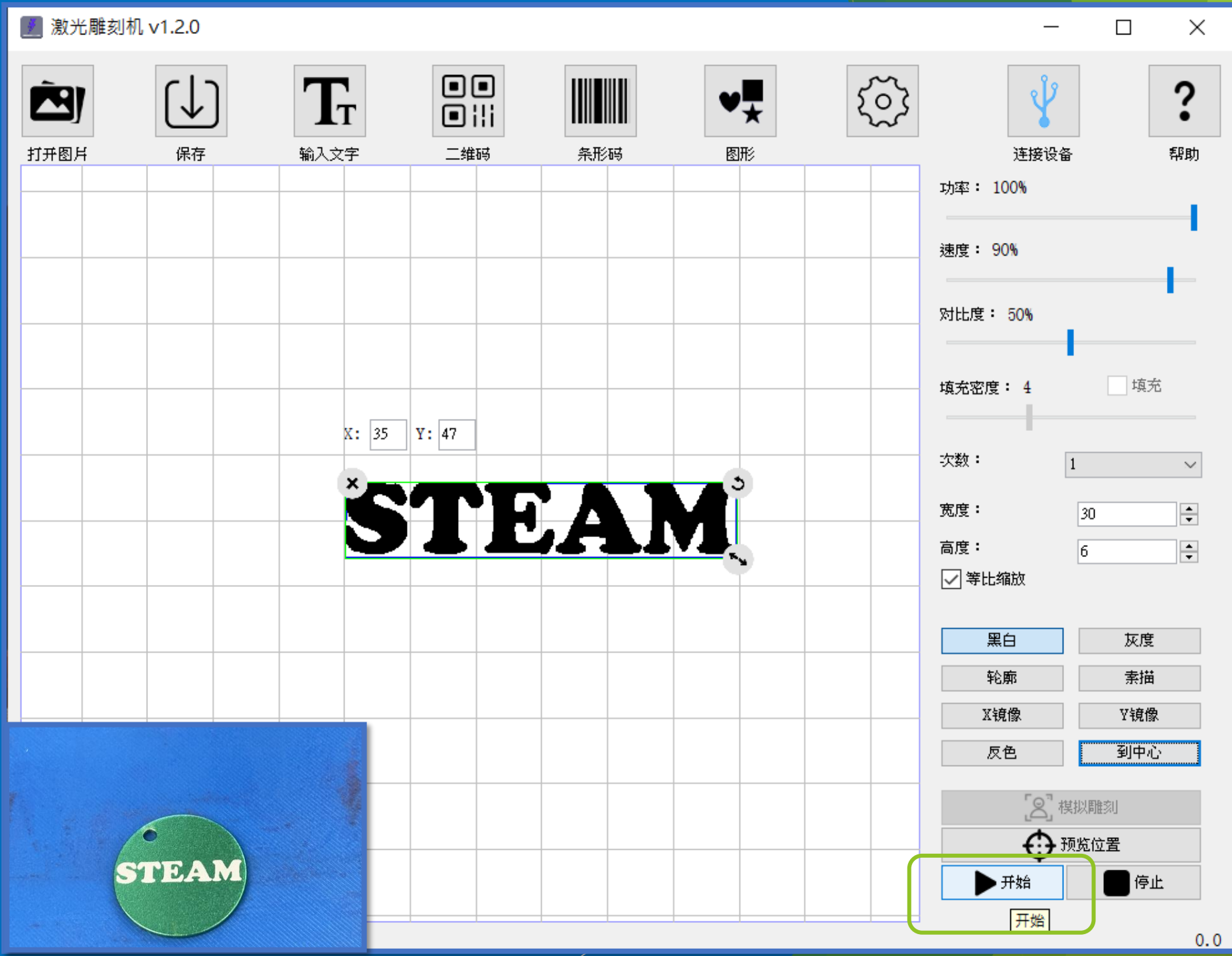


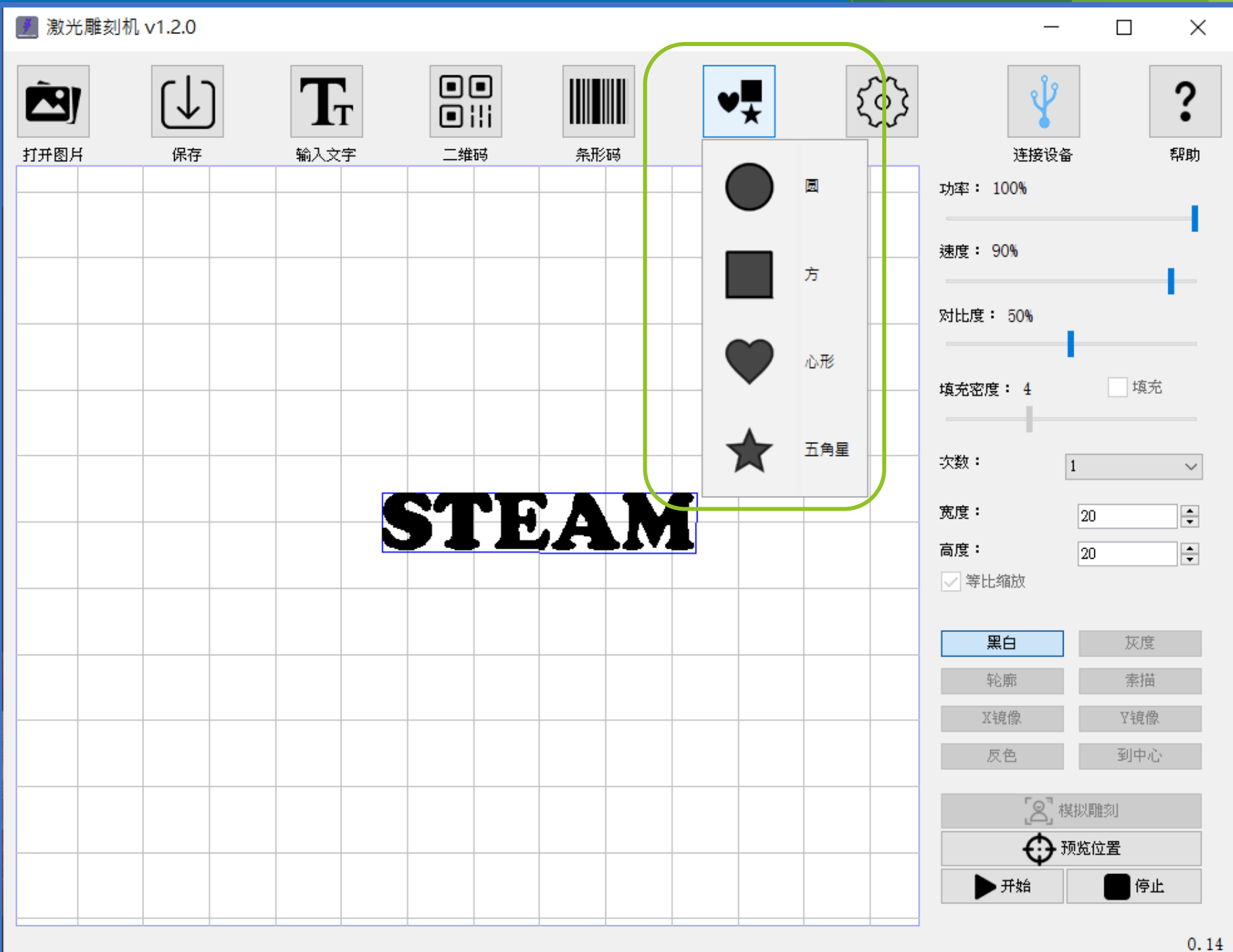


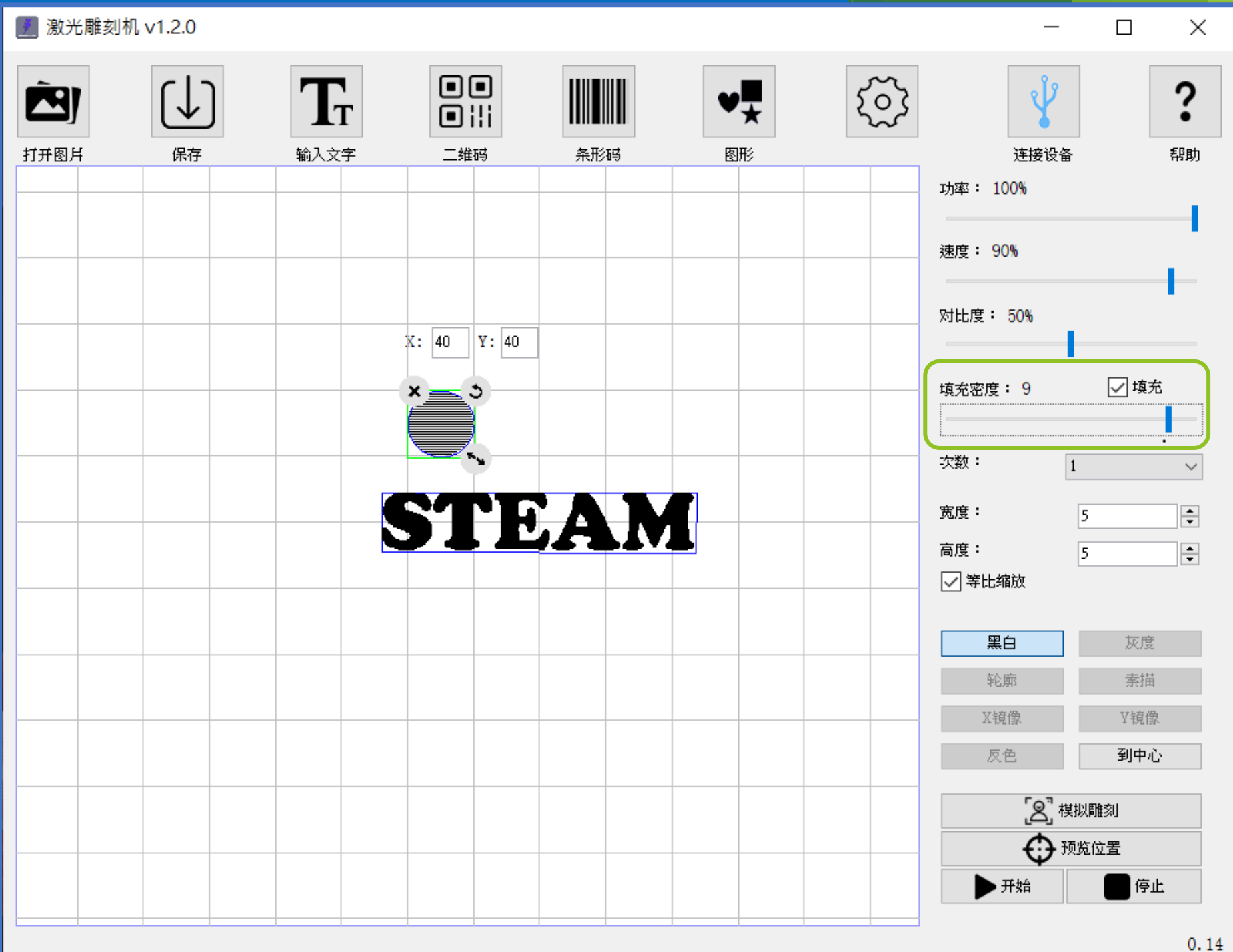














打开图片



保存



输入文字



二维码



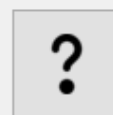
条形码



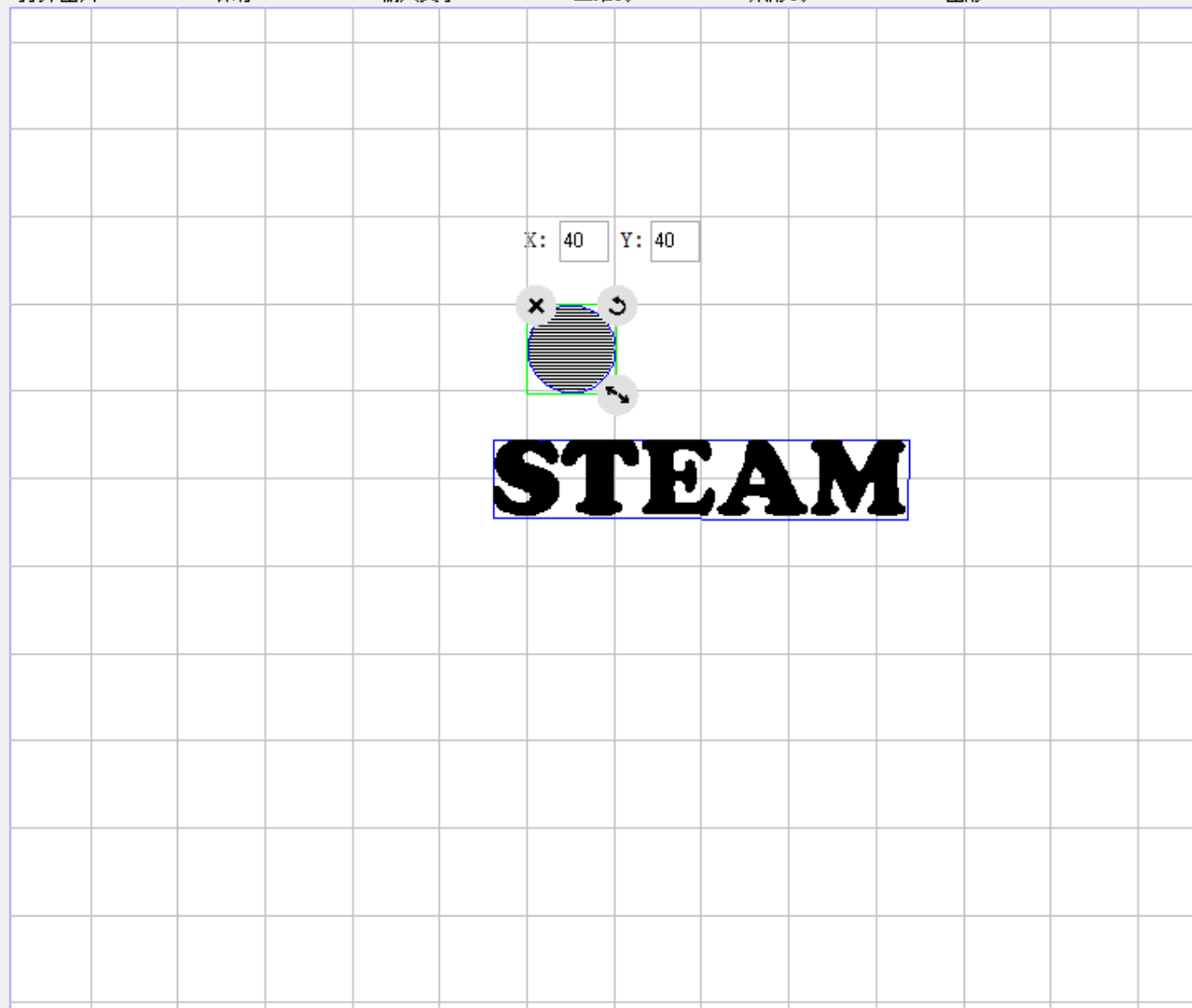
图形



连接设备



帮助



功率：100%

速度：90%

对比度：50%

填充密度：9

☒ 填充

次数：

1

宽度：

5

高度：

5

☒ 等比缩放

黑白

灰度

轮廓


素描


X镜像

Y镜像

反色

到中心

 模拟雕刻

 预览位置

 开始

 停止

Complete your project

