Laser Engraver
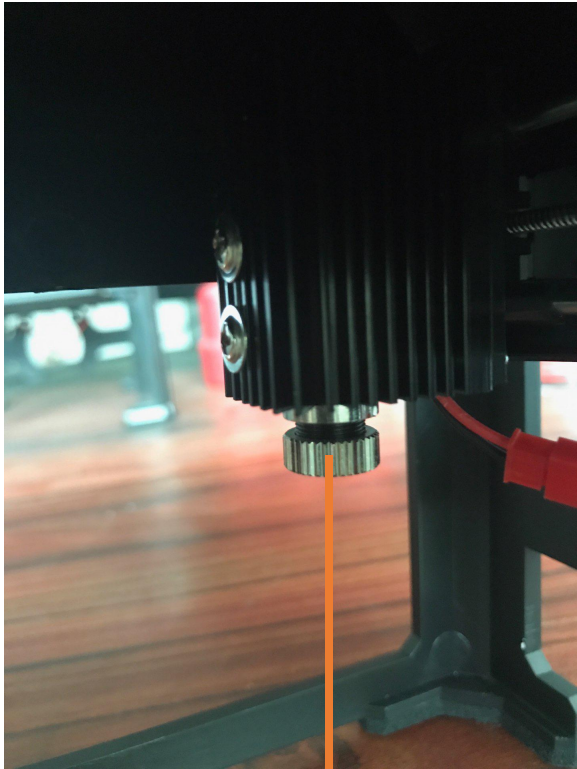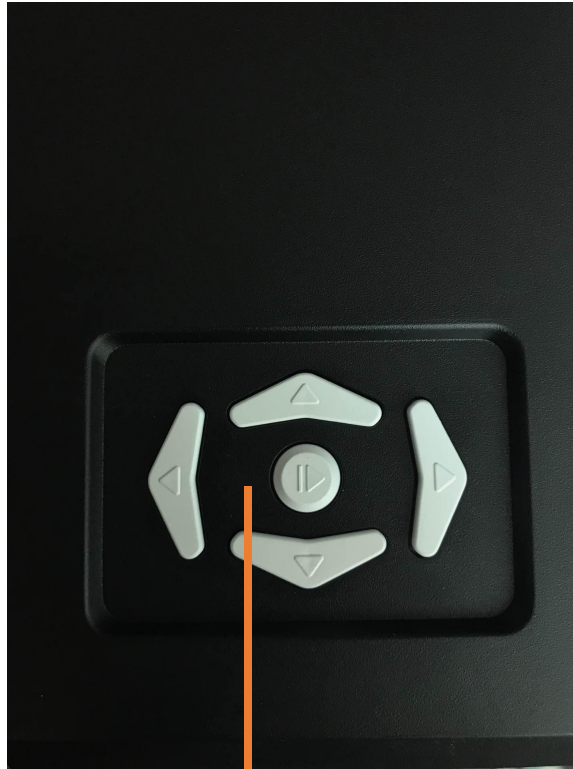
User Manual

Focusing adjustment before using:turning the focus cap until the laser light converged into one point very small.

When it in unworking state you can control the laser head movement by press the direction button,additon to, the middle button can be used to control its suspended or start carving.

Here with two port,one for Power,one for usb cable, please keeping it on connecting when start using it.

Laser Engraver Guidence

Green Version

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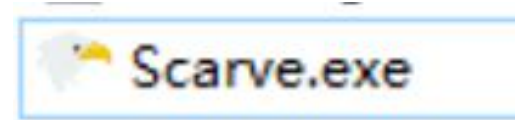
Scarve.exe

Scarve.zip

Unzip the software as shown on the left, click Scarve.exe twice to open the software, you can also send Scarve.exe to the desktop.

Edit image

Status

Edit image status

Writting pen

Rubber

Place the text

Zoom

Cutting

Picture size

Image rotation

Left and right

Up and down

Negative film

Gray

Black and white

Discrete

Picture filter adjustment

Save

Clear

Completed and turn to the print interface

Scarve

Edit

Status

Edit

Gray

Mc

Dc

Control

Setting

About

23%

Control

Laser coordinate setting

Status

Laser power adjustment

Connect the machine

Control

Carving depth adjustment

Positioning

Fan control

Start

Scale

Time

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Control setting

Machine Setting

Setting

When the machine is connected successfully, if the position of the optical device is not on the upper left corner , it should be reset

Reset

Locate the laser at the middle of the machine so that you can put it in the box

Middle

When there is no operation, after the following time the machine will be into low power mode, and it will disconnect at the same time, you can also press the following button to change into the low power mode

1Minutes ▼

Low power

Language,Restar valid

English ▼

Display laser head and picture coordinates, in units of mm

Display picture print progress

Note: you must save the picture, or it will be restored if the software be restarted!

Save   **Cancel**

Complete 0%   Time 0   0   0

About

1

Before

After

2

Grayscale effect

Black and white effect

Discrete effect

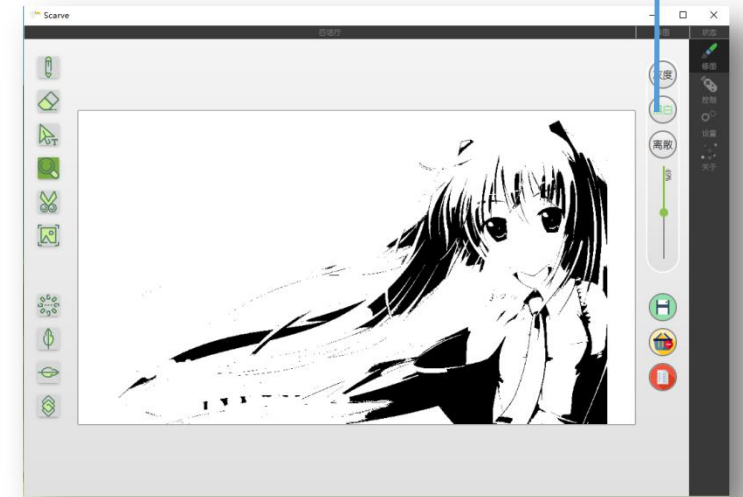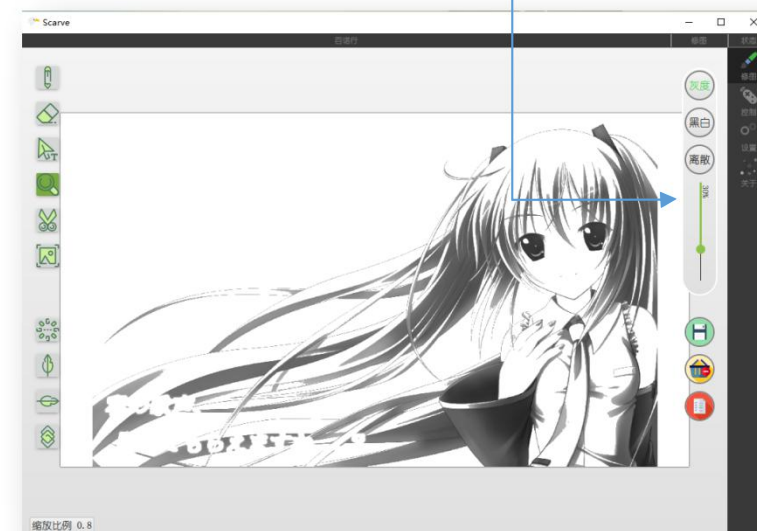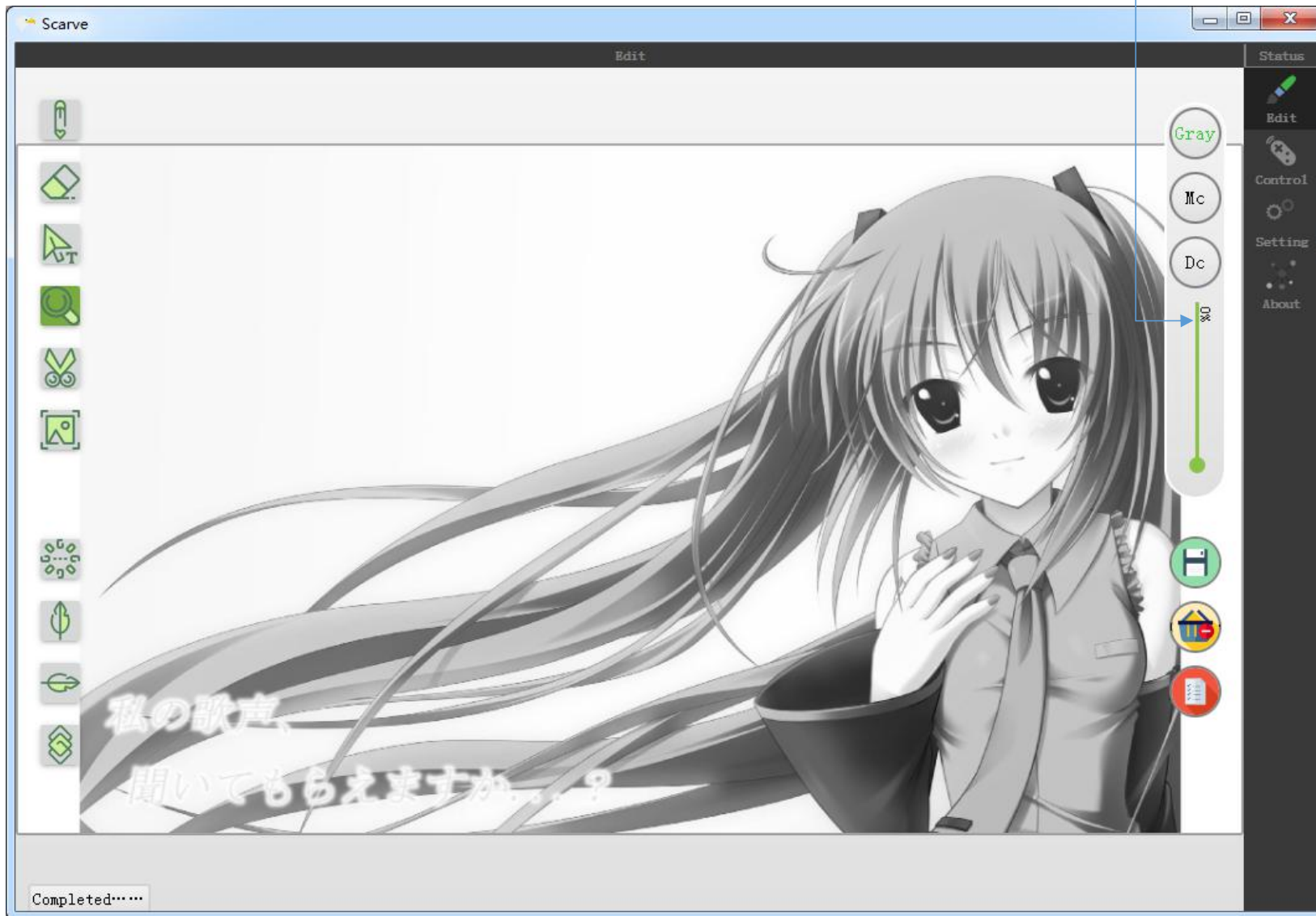Gray effect: filter the color of the picture, leave white and black, divided into several levels according to the logarithmic relationship, known as**grayscale.** Gray scale is divided into 256 steps. An image expressed in grayscale is called a **grayscale image**.
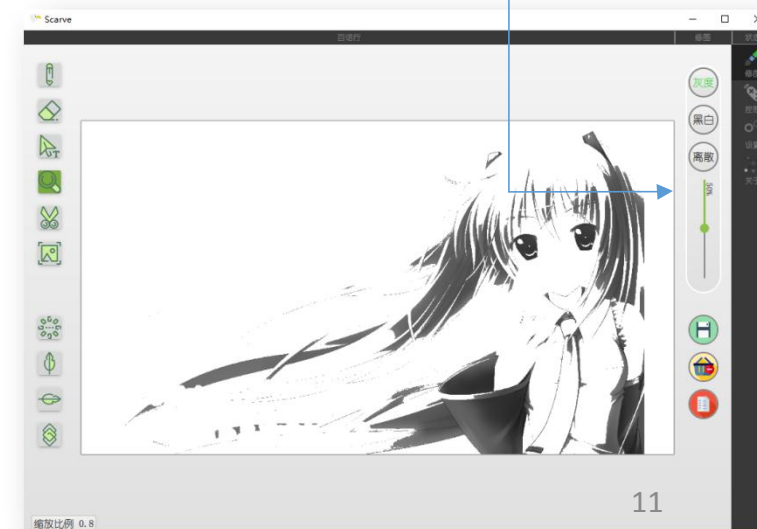
Filter gray pixels

Filter pixels 0%

Filter pixels 30%

Filter pixels 50%

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Black and white effect: filter the picture color, leave only white and black. Images in black and white are called **black-and-white images**.

Filter pixels 30%

Filter pixels 50%

Filter pixels 60%

Simply image editing

Filter discrete pixels
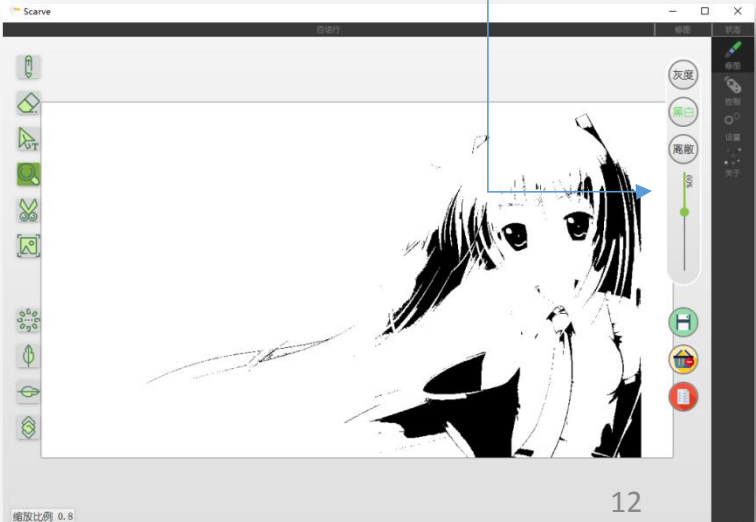
Discrete effect: filter the picture color, leave only white and black. And calculate the distribution **density** of black spots in the image according to the original image color value, so the discrete image looks a lot of discrete points.

Filter pixels 66%

Filter pixels 40%

After rooming in

Filter pixels 80%

Type of brush

Brush size
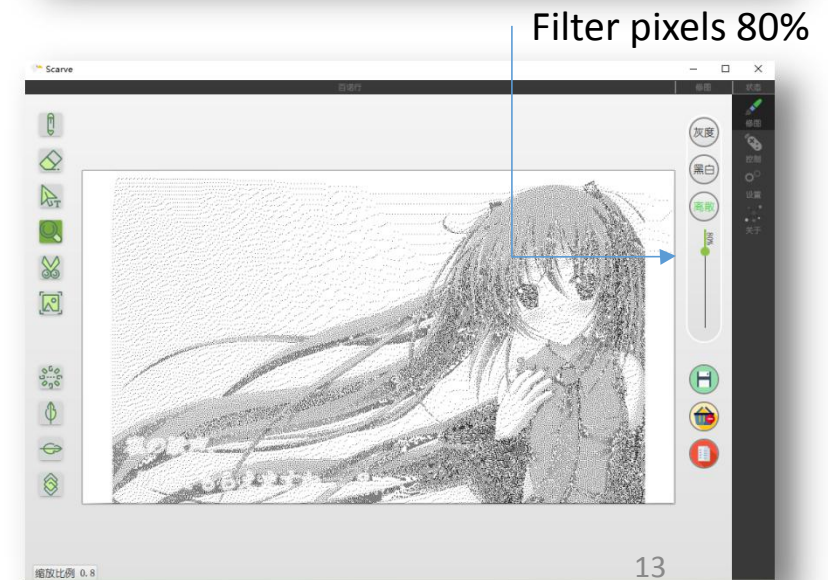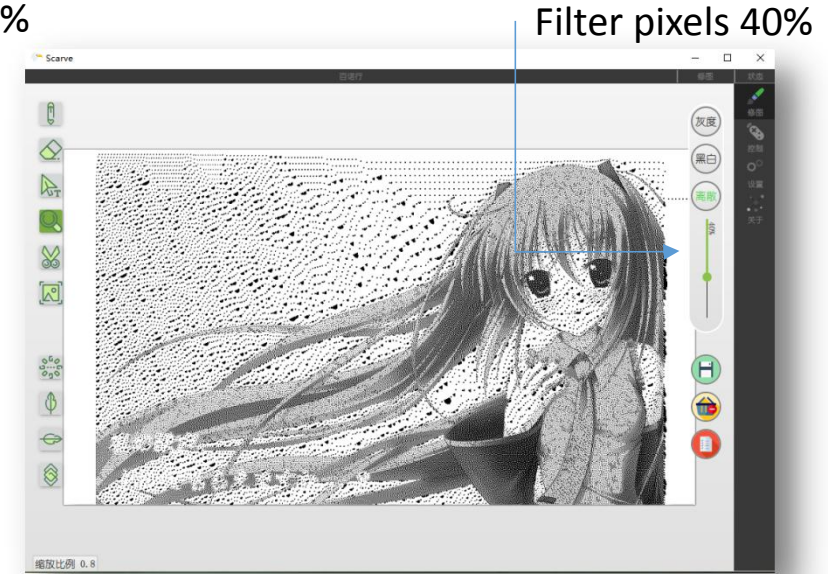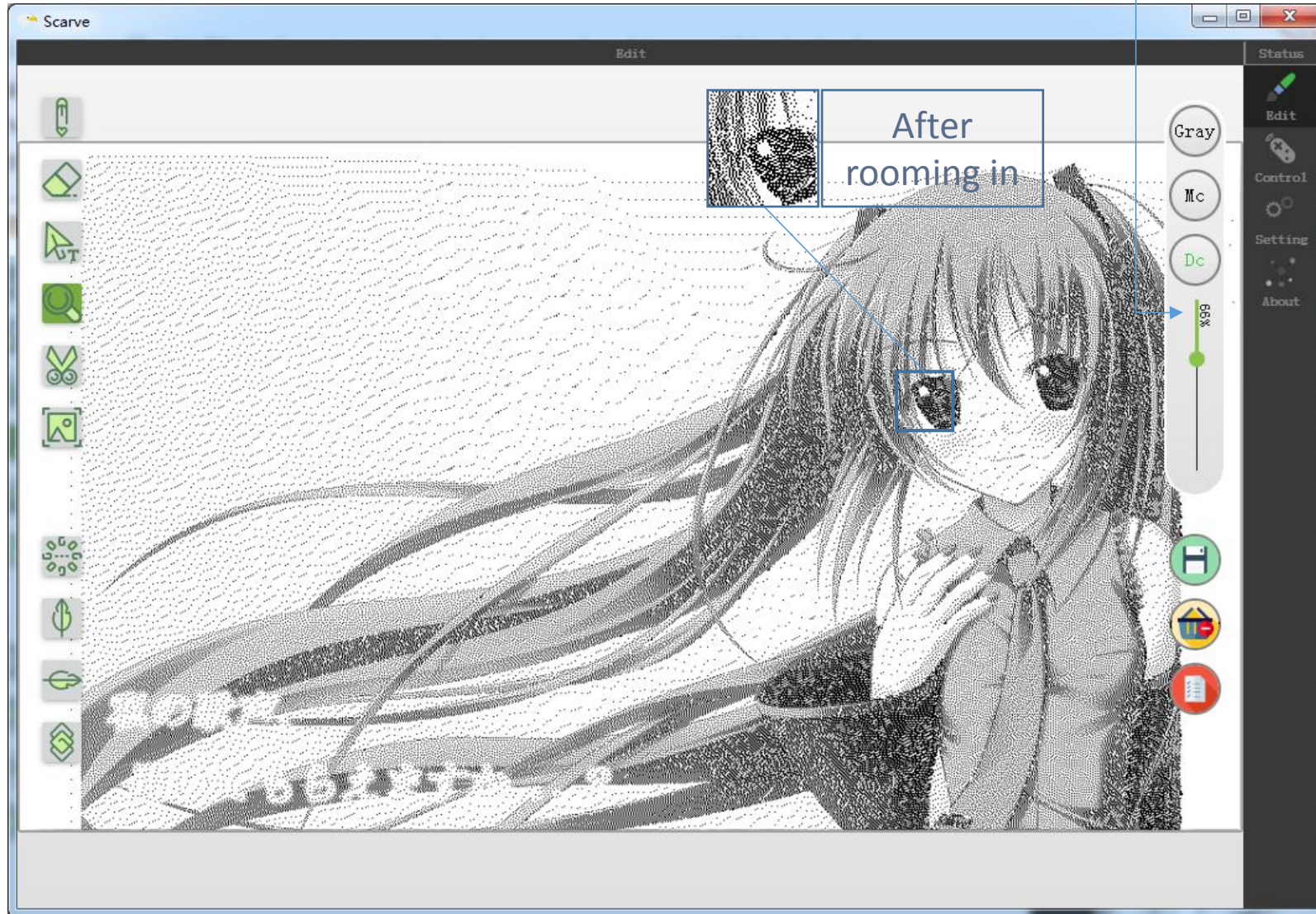
Submenu：
Click the button, the submenu will be appeared when the mouse is suspended in the Brush icon
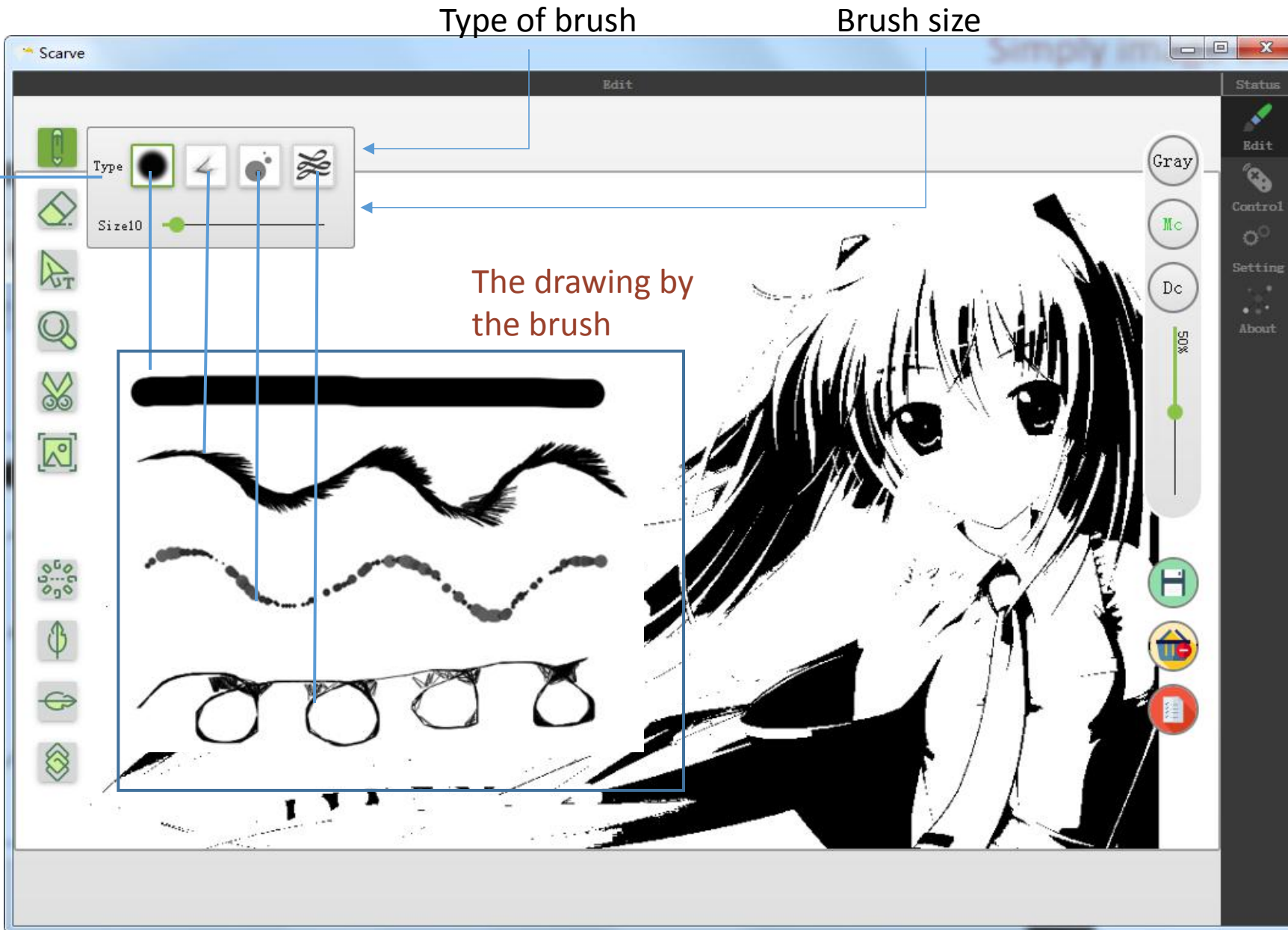
The drawing by the brush

Eraser size

Erasing range
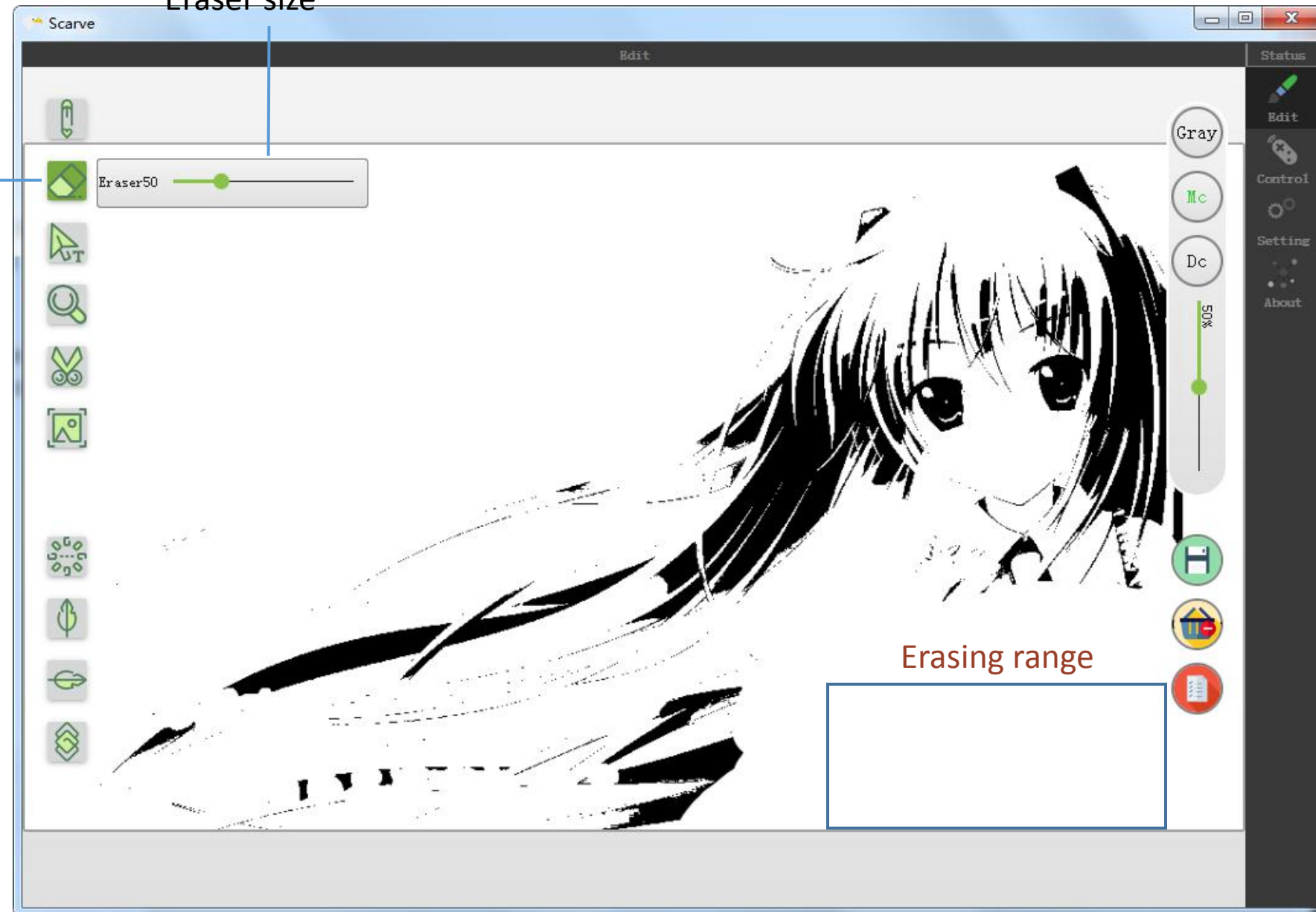
Place the text

To be placed; use the mouse to drag the green box to choose the position, double-click the picture to complete the placement

Text size

draging bar

Submenu:
Click the button, the submenu will be appeared when the mouse is suspended in the Text icon

Font

Prompt

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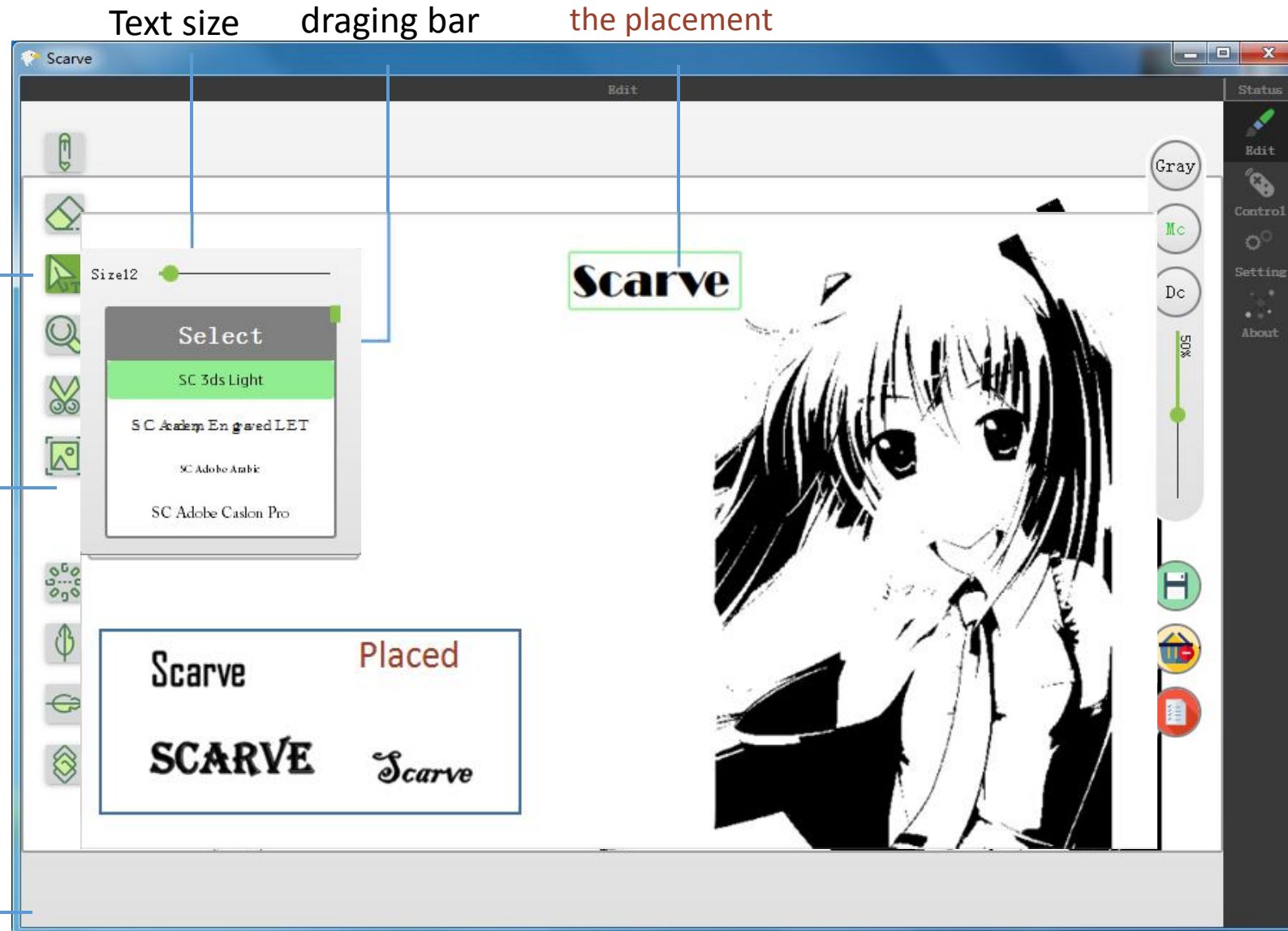
Simply image editing

Zoom in/out

Zooming in/out can not change the image size，just to facilitate the operation of the image, in the zoom mode can move the image
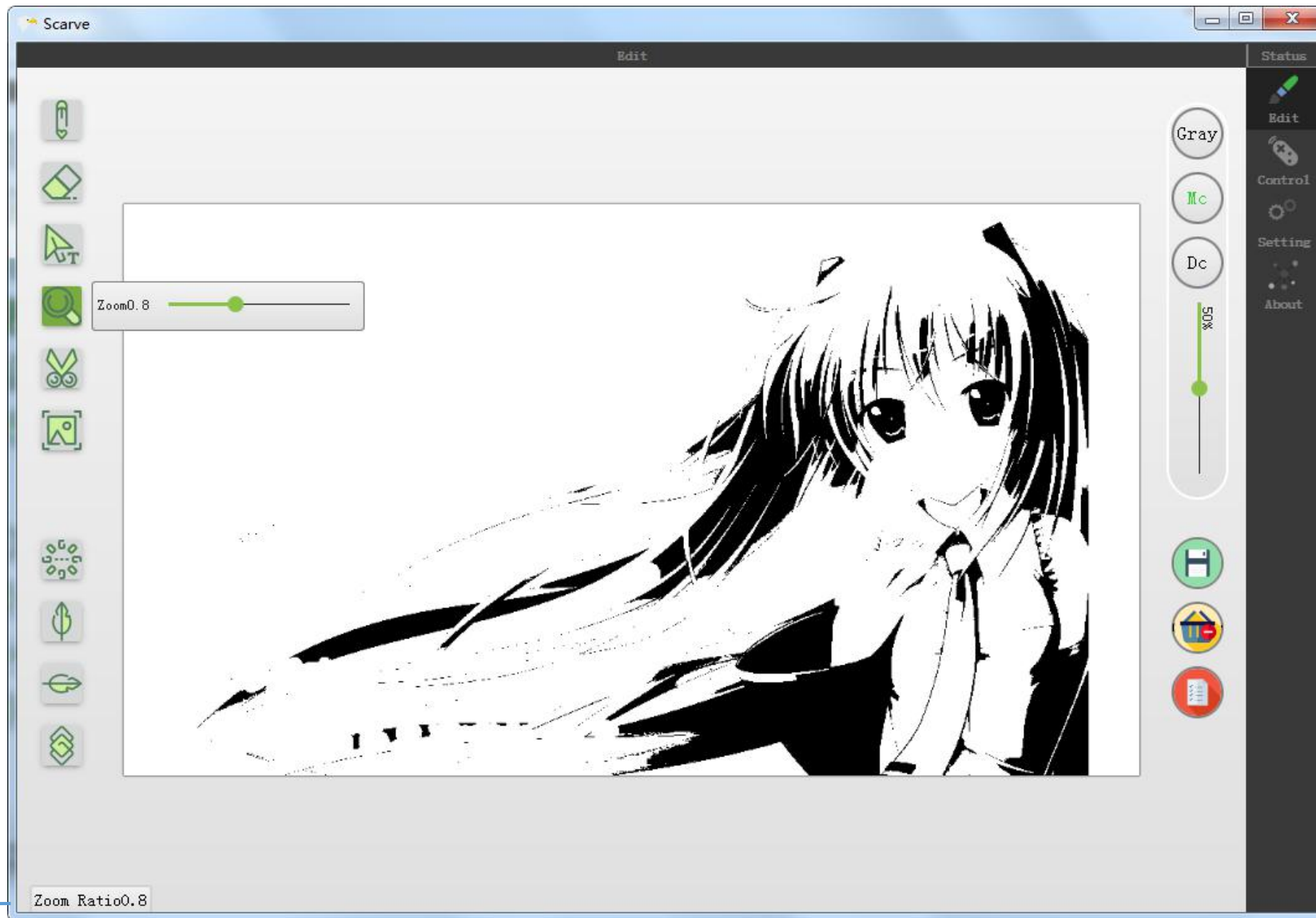
prompt

Drag the crop box by holding down the left mouse button in the crop box

Drag the green block to change the size of the crop box
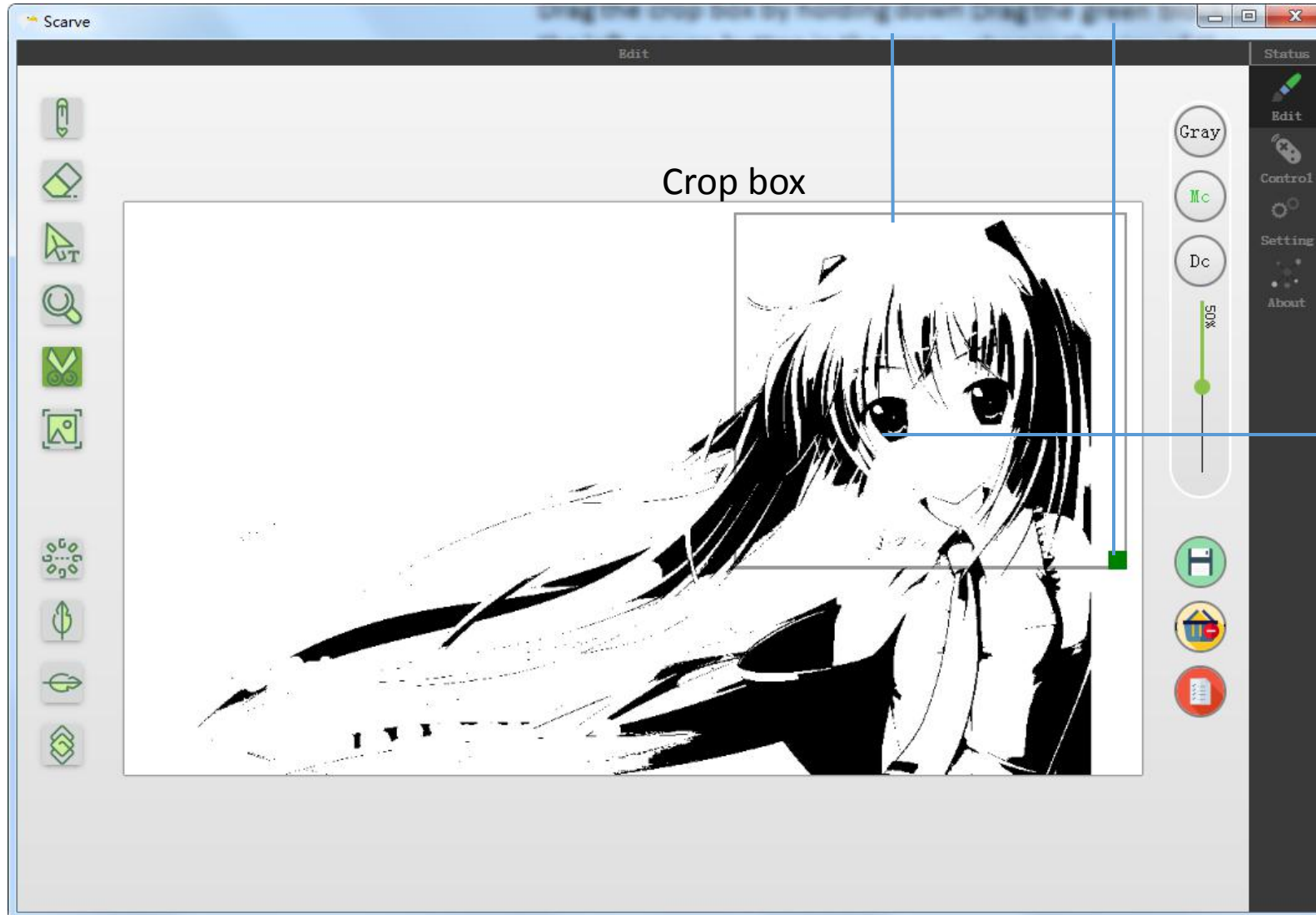
Crop box

Double-click the inside of the crop box to complete the crop
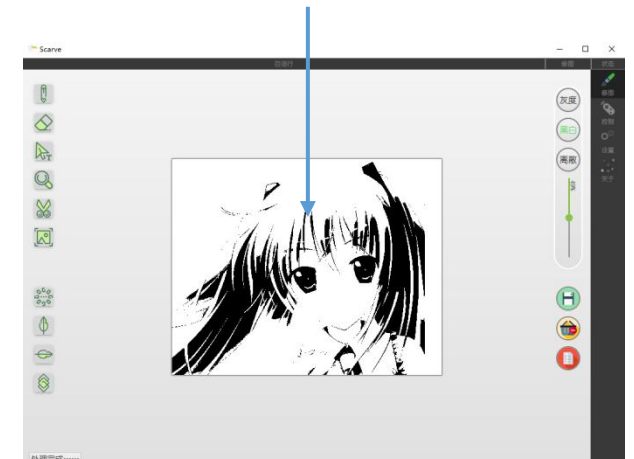
rotate image

Click once to rotate 90°

Mirror left-right

Click to finish mirror left-right
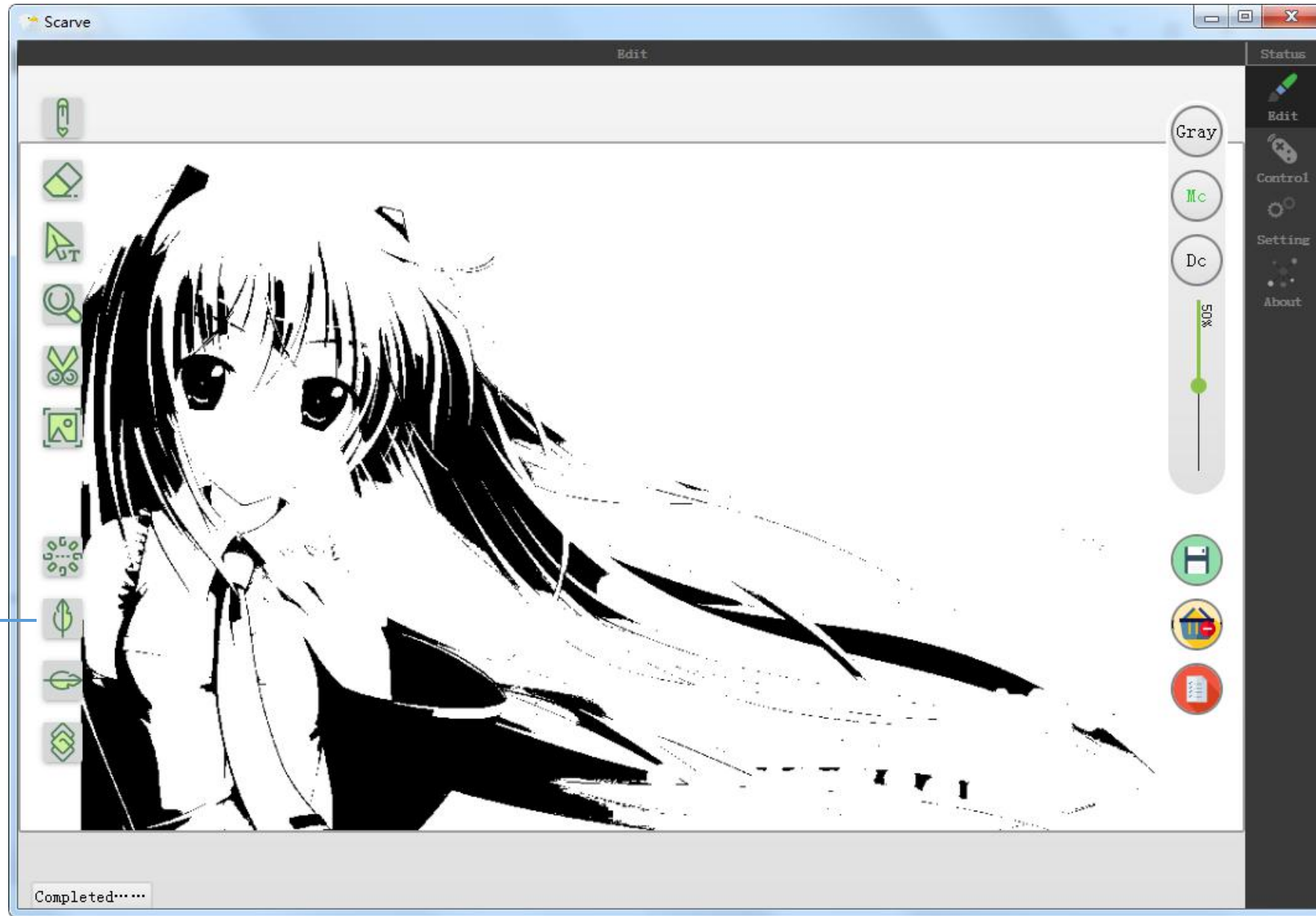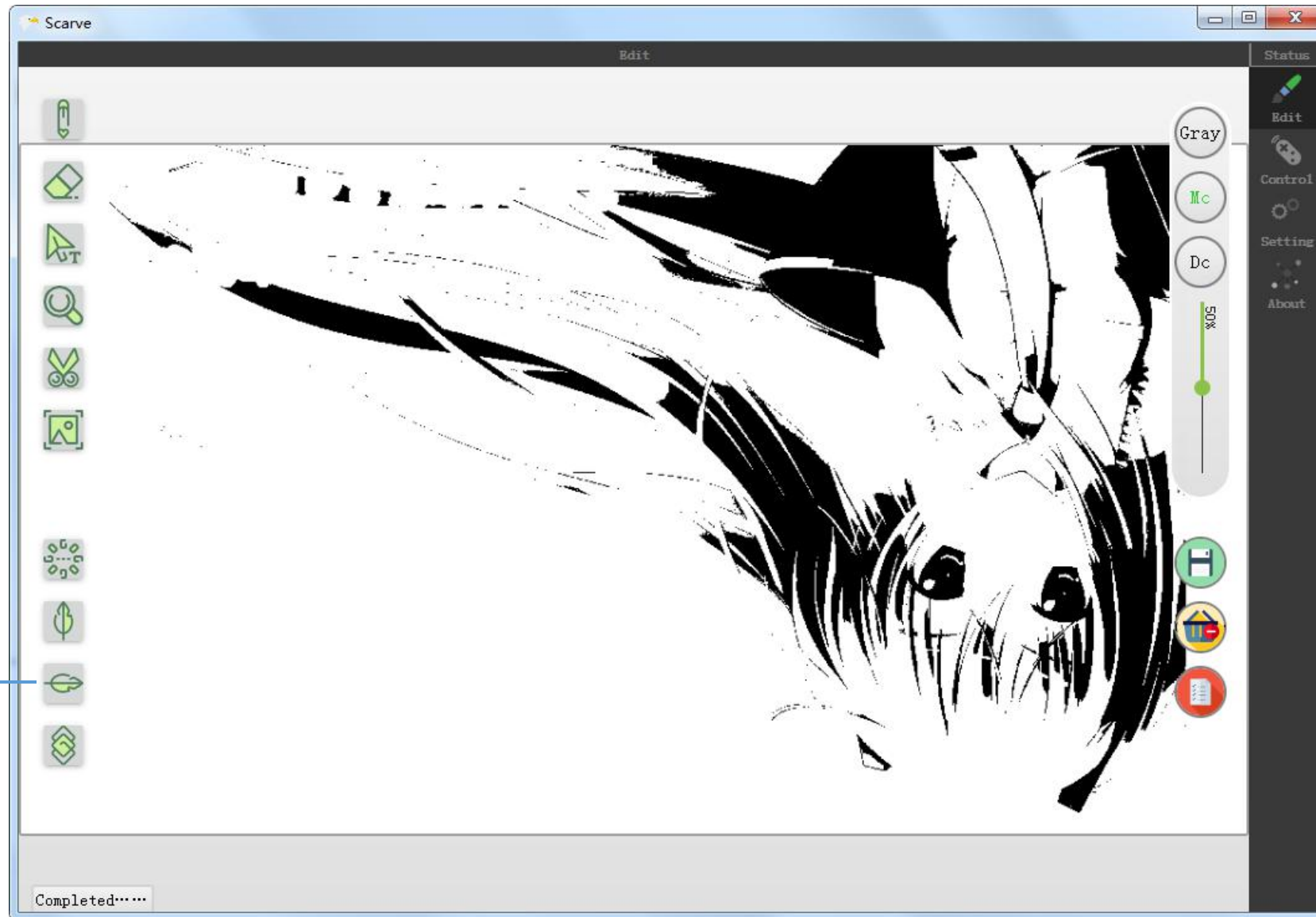
Mirror up-down

Click to finish mirror Up-down

photographic
film Invert
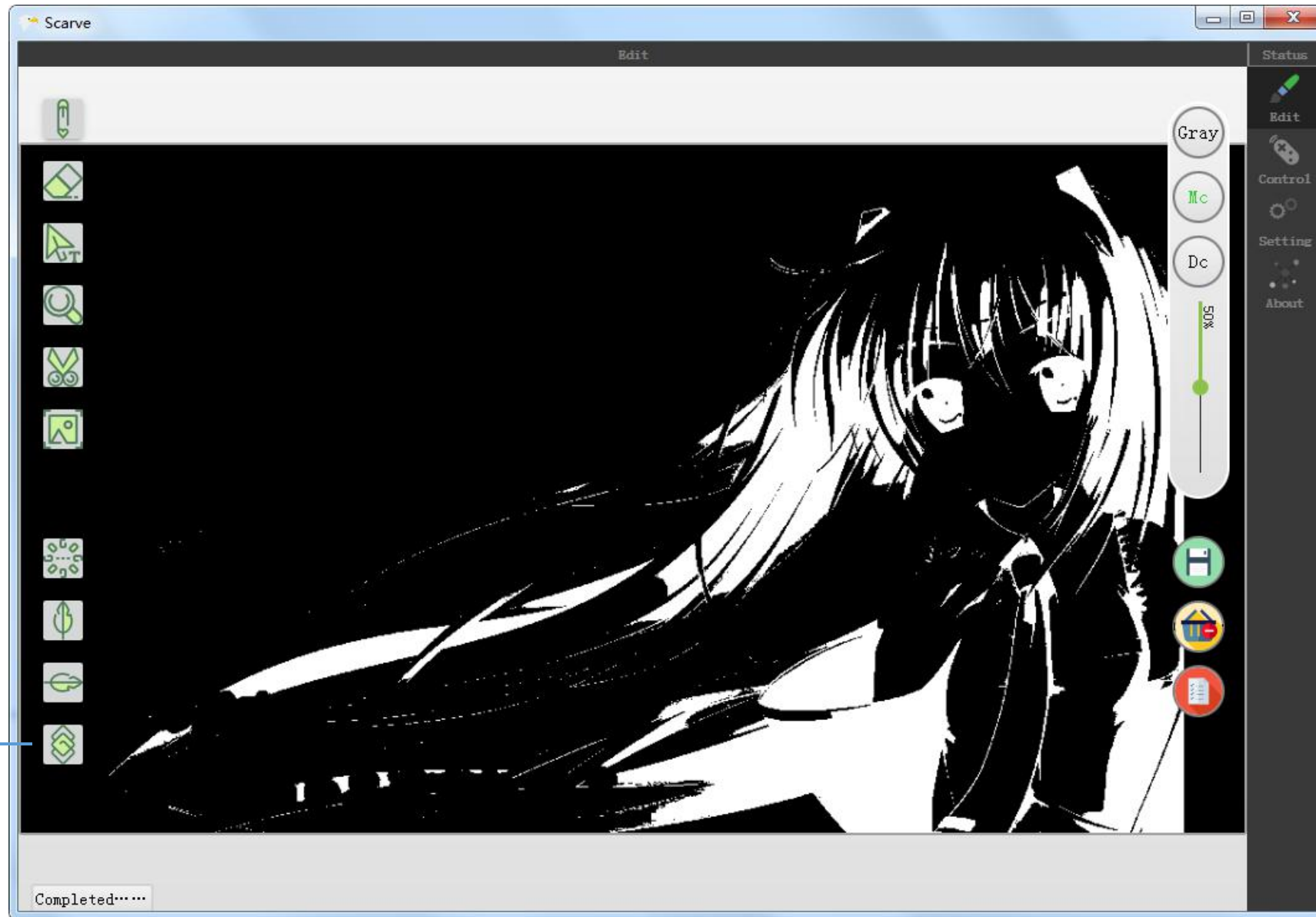
Click to
finish
photograph
ic film
Invert

image Saving
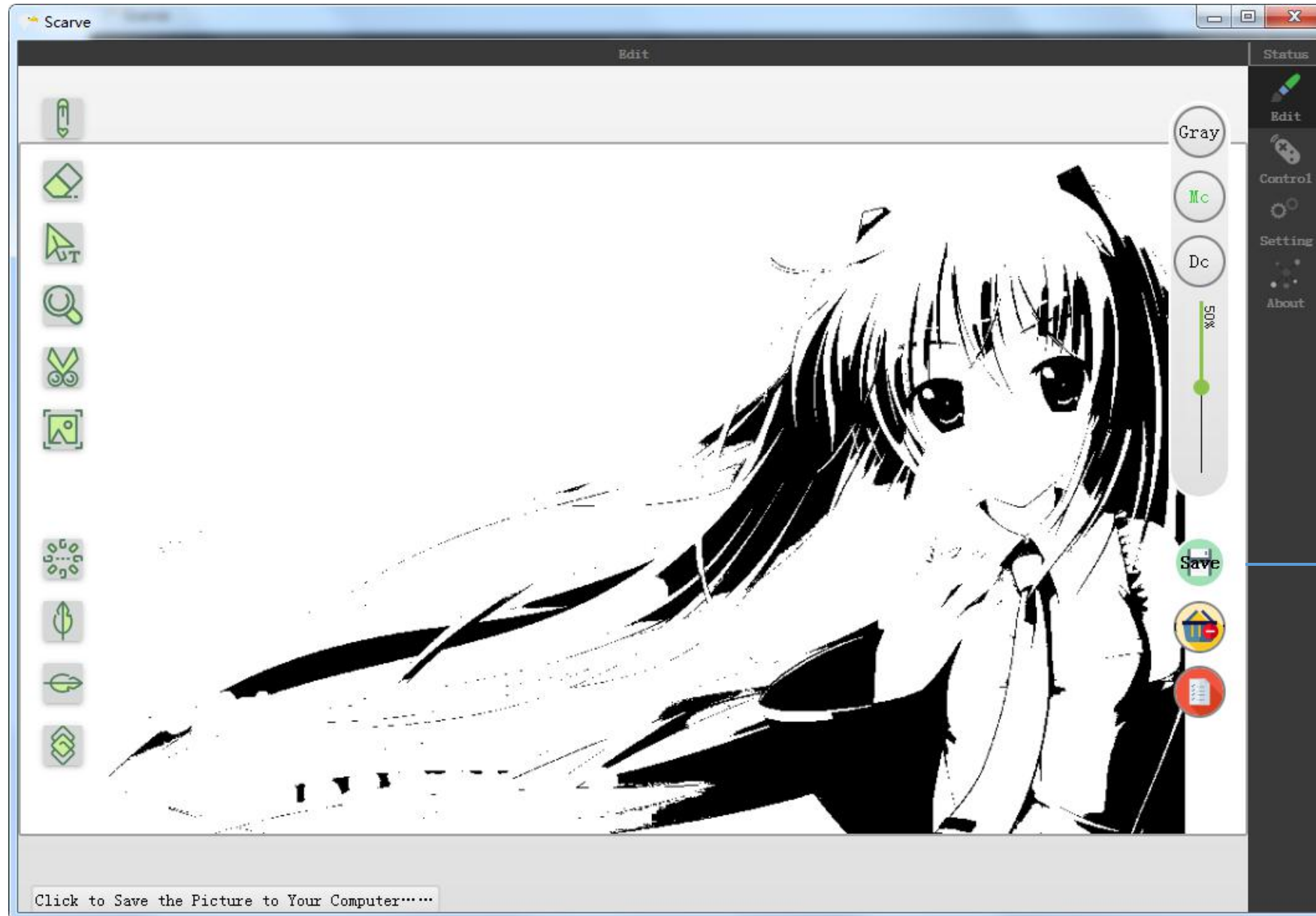
Click to Save
Saved file
name starts
with new
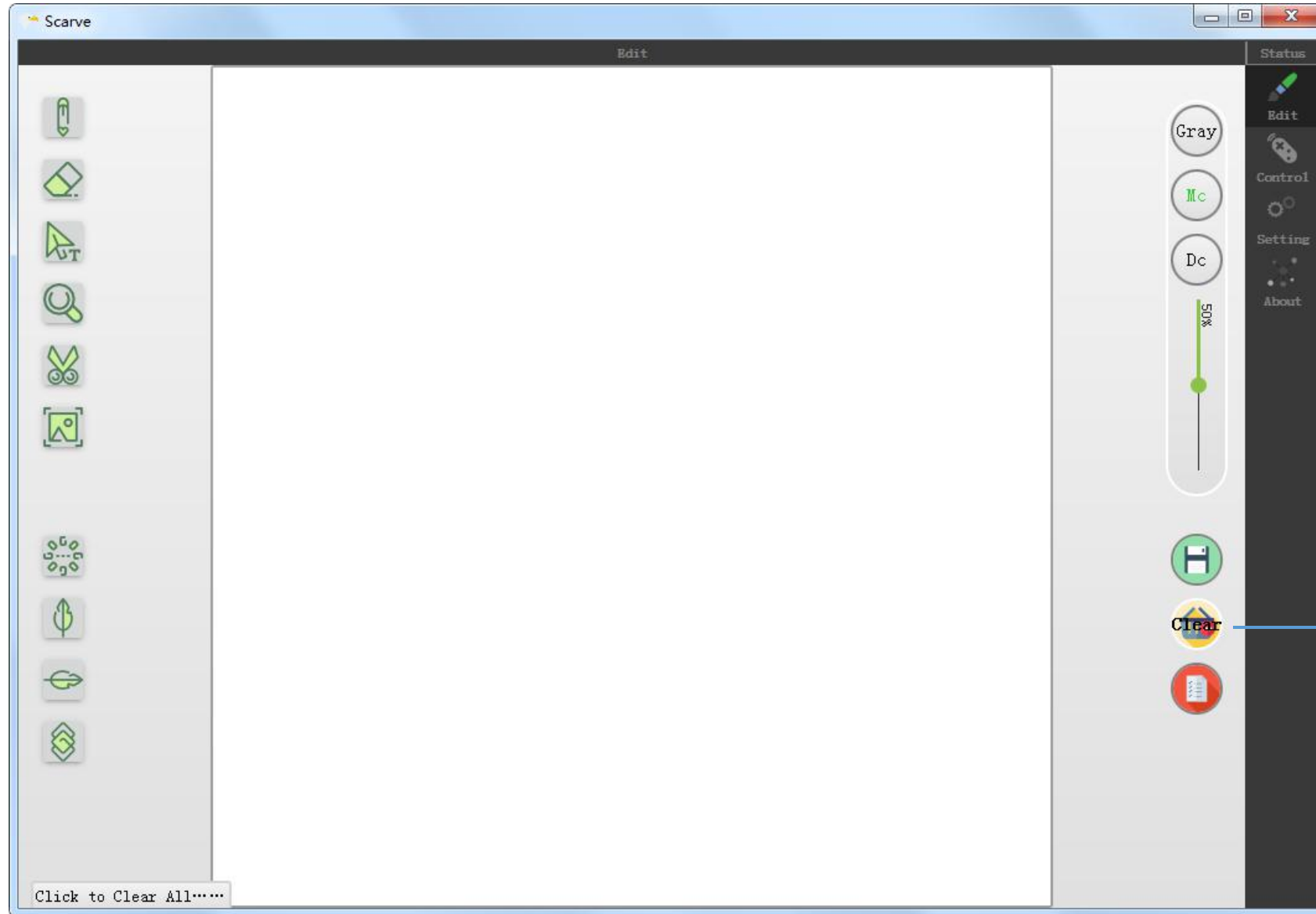
Clear operation

click to clear
opreation

photographic
film Invert
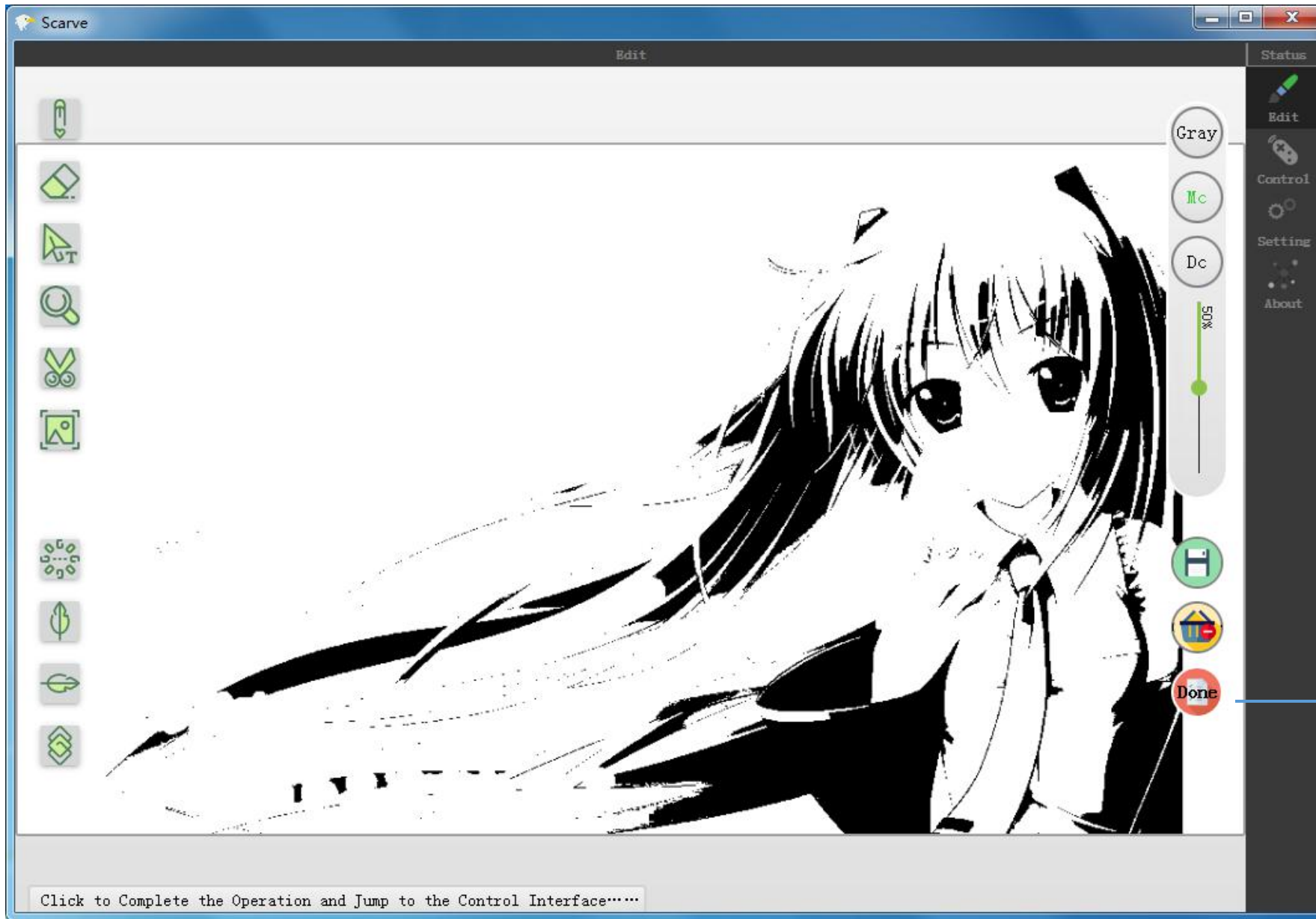
Click to load
image to
control
interface

After Successful Connect the USB Data Cable and Power Cable on Computer and Engraving Machine，click connection

After Connect successful，both the button and engraving machine laser head becomes bright

Laser Positioning

You can drag the icon in an unprinted state, and the laser will be positioned to the coordinates after release
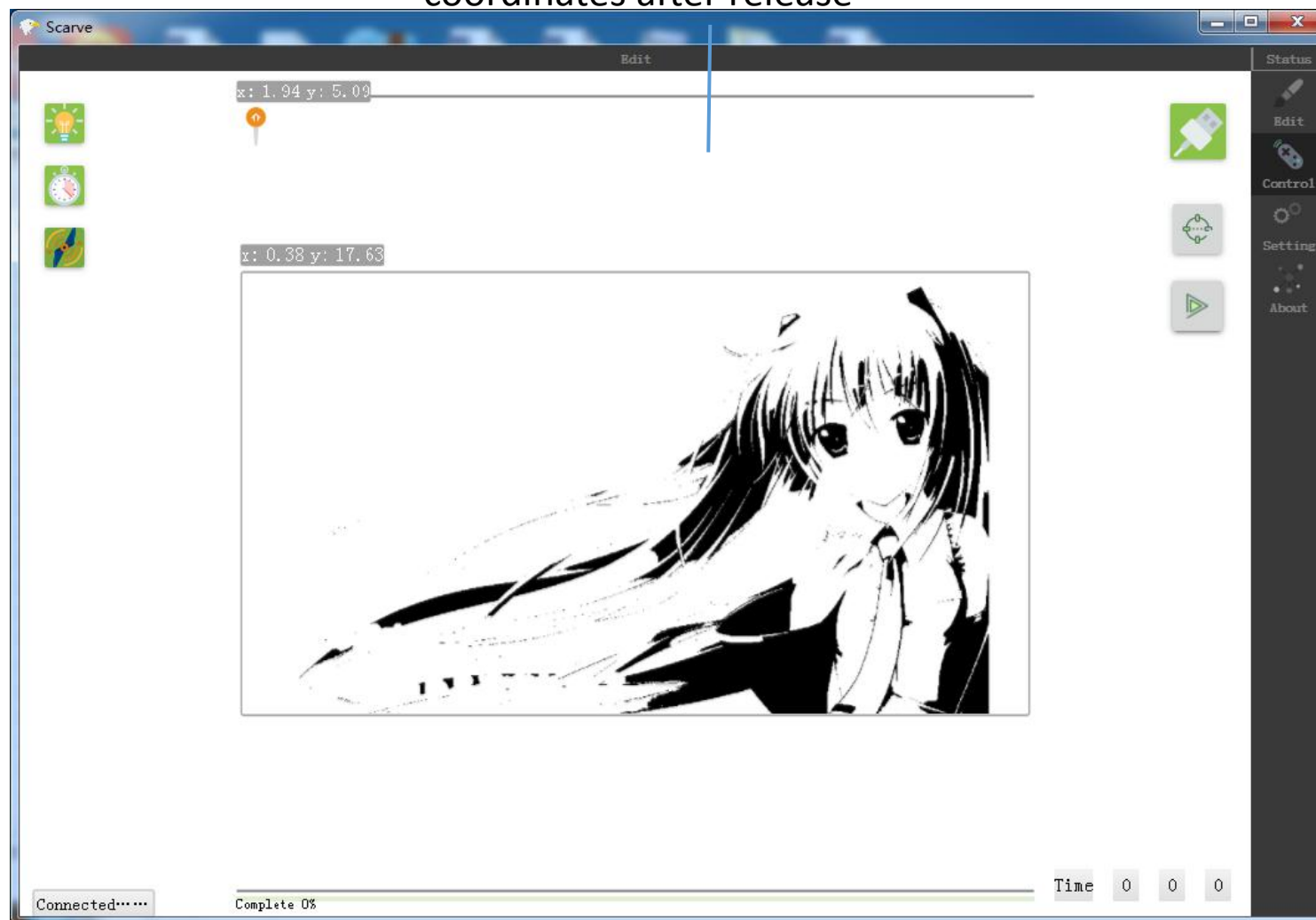
Picture Width and Height in mm
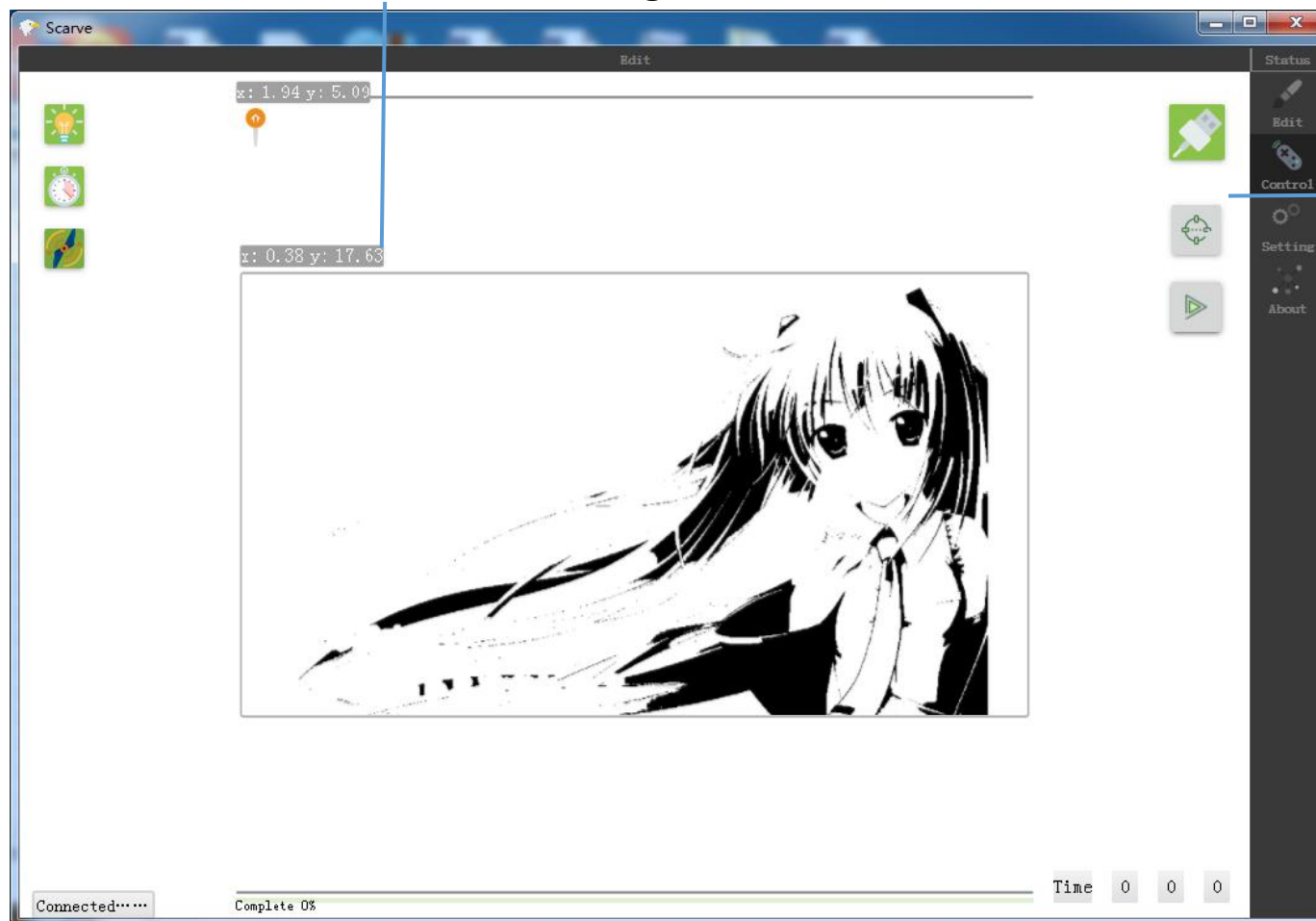
Click to Box
Positioning

Brightening
indicates Box
Positioning

In the box positioning state,
right-click in the print area
to locate the fine-tuning
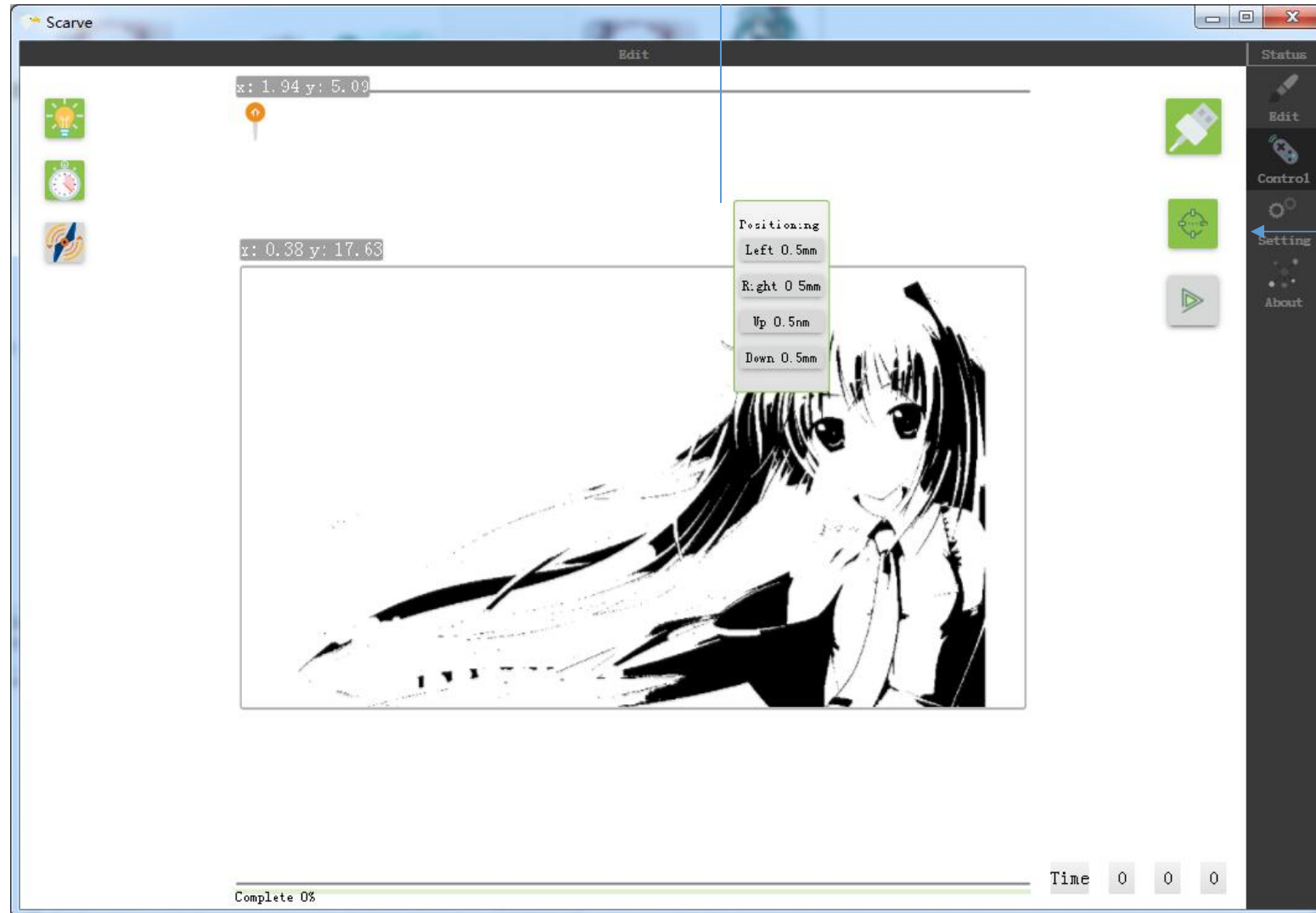
Box
positioning when
brightened

Scarve

Edit

Status

x: 1.94 y: 5.09

Edit

Control

Setting

About

x: 0.38 y: 17.63

Positioning

Left 0.5mm

Right 0 5mm

Up 0.5mm

Down 0.5mm

Time   0   0   0

Complete 0%

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The Current Engraving
Position Bar

Start / Pause Button

Stop Button: Click to stop
Engraving and Return to the
Original Engraving Status

Engraving
Progress

Engraving Time-
Consuming:Hour,Minutes,Sec
ond

30

Laser power adjustment, 100% means full power output, adjust to 100% for normal use, if the material is very sensitive from light, you can properly reduce the laser power

Engraving Depth
Adjustment:
The Larger Depth Value
will Engraving the Darker
Image, and will take
Longer Engraving Time

Fan Control:
The fan blows away the smoke and improve the Engraving quality.
When the Button in bright, the fan will automatically open during Engraving, stop engraving will automatically shut down the fan.
When the button is grayed out, the fan will not open.

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Gray Mode Effect:
Engraving Depth of 20%
Engraving Power 80%

Discrete Mode Effect:
Engraving Depth 25%
Engraving Power 100%

Black and White Mode Effect:
Engraving Depth 25%
Engraving Power 100%
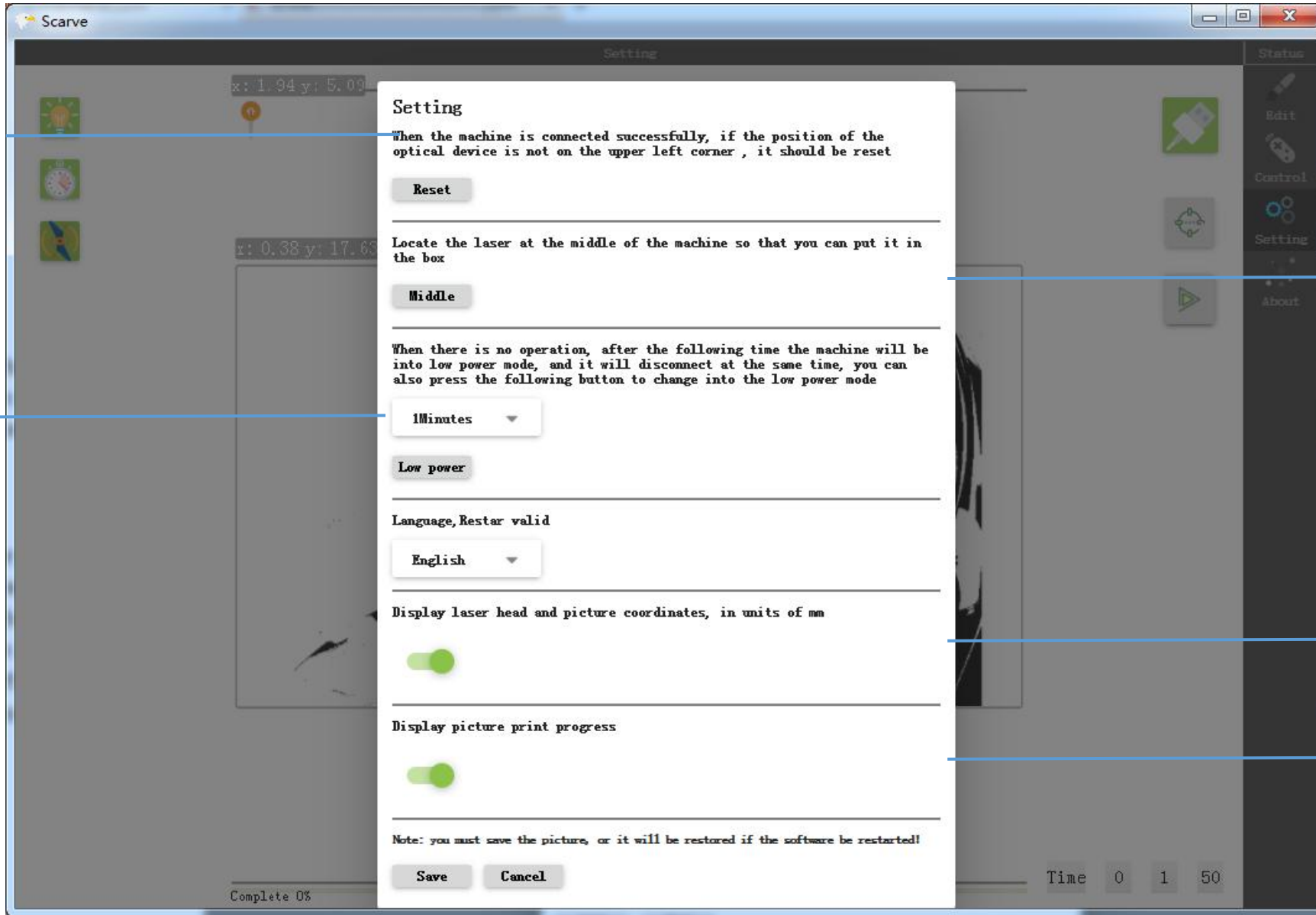
Click the Laser to Return to the Origin Position

Set the Engraver into the Low Power Mode, Click the Below Save Button to indicate that the setting was Successful

Click the Button,The Laser will be positioned in the Middle

Indicate the Relevant Coordinates of the Engraving

Display the progress

Scarve

Setting

Status

Edit

Control

Setting

About

x: 1.94 y: 5.09

x: 0.38 y: 17.63

Setting

When the machine is connected successfully, if the position of the optical device is not on the upper left corner , it should be reset

Reset

Locate the laser at the middle of the machine so that you can put it in the box

Middle

When there is no operation, after the following time the machine will be into low power mode, and it will disconnect at the same time, you can also press the following button to change into the low power mode

1Minutes

Low power

Language,Restar valid

English

Display laser head and picture coordinates, in units of mm

Display picture print progress

Note: you must save the picture, or it will be restored if the software be restarted!

Save   Cancel

Complete 0%

Time   0   1   50

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Pixel Filtering：

If the picture needs to be filtered, it is prefer to use the filter pixel function, the filter function is to use the original image for pixel filtering, If you make other changes after the image is filtered (such as adding text) , all other operations will be filtered out

Setting：

Setting the Status Bar while Engraving will hHide Some other Settings, as shown on the Right Picture

Software download address：www.bainuoxing.com

Setting

When the machine is connected successfully, if the position of the optical device is not on the upper left corner , it should be reset

Locate the laser at the middle of the machine so that you can put it in the box

When there is no operation, after the following time the machine will be into low power mode, and it will disconnect at the same time, you can also press the following button to change into the low power mode

1Minutes ▼

Language,Restar valid

English ▼

Display laser head and picture coordinates, in units of mm

Display picture print progress

Note: you must save the picture, or it will be restored if the software be restarted!

Save   Cancel