



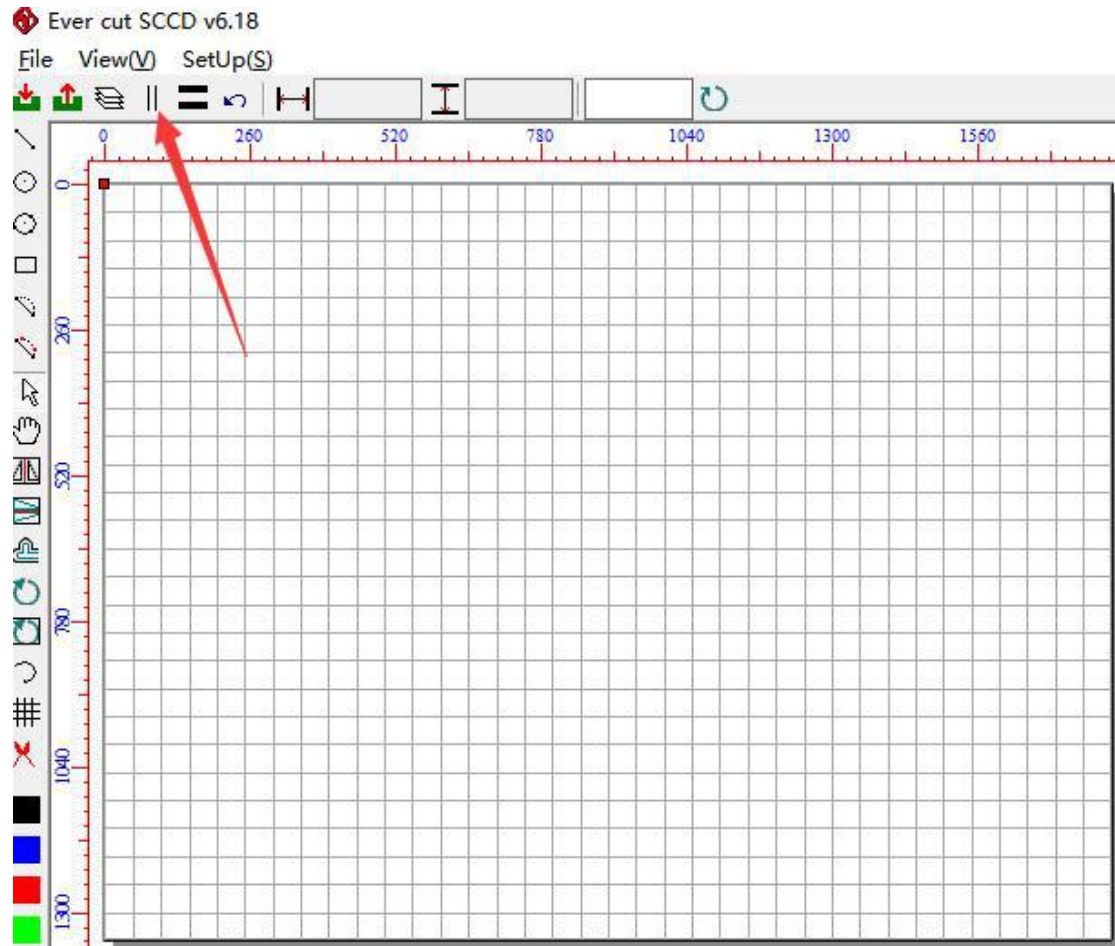
Jinan Weihua Machinery & Equipment Co., LTD

Website: www.weihualaser.com Email: info@jnweihua.com

Tel: +86-15853160596 Fax: +86-531-88199977

Large visual color lifting

Open the software and click on the parameter settings as shown below.



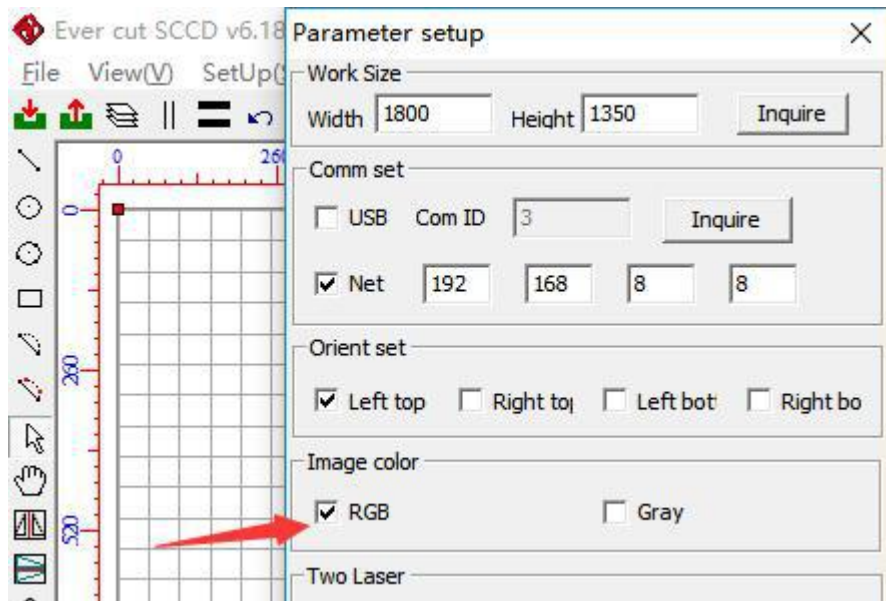
Go to the parameter setting interface and check the color map.



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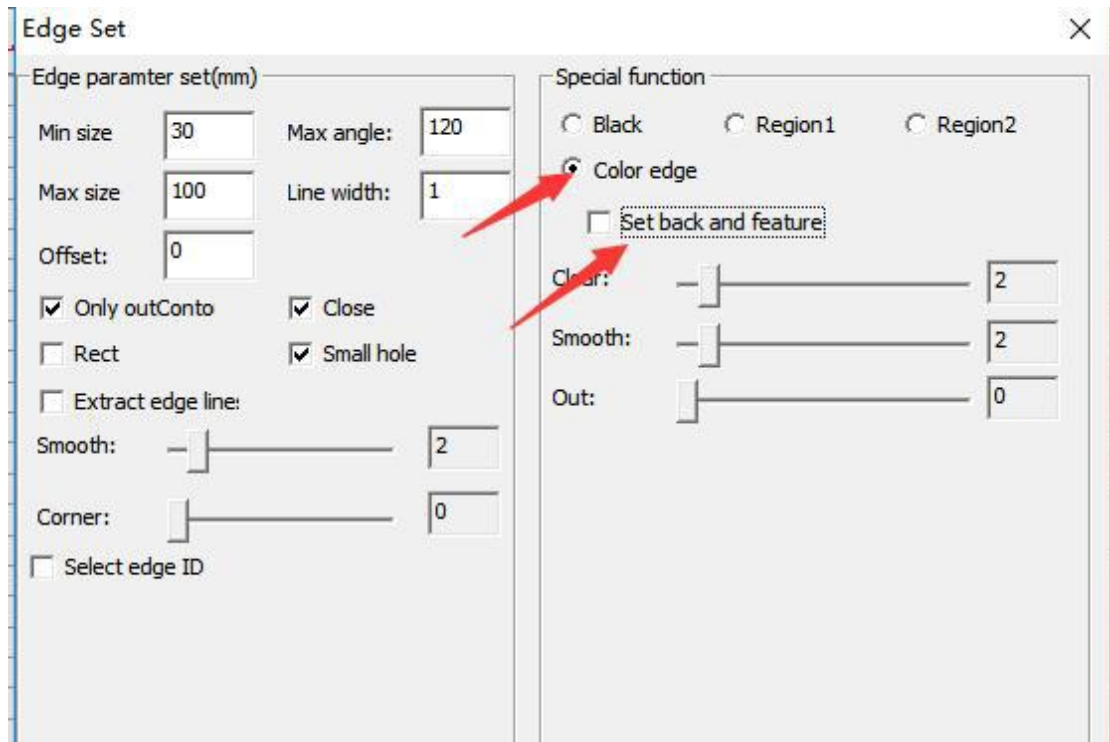
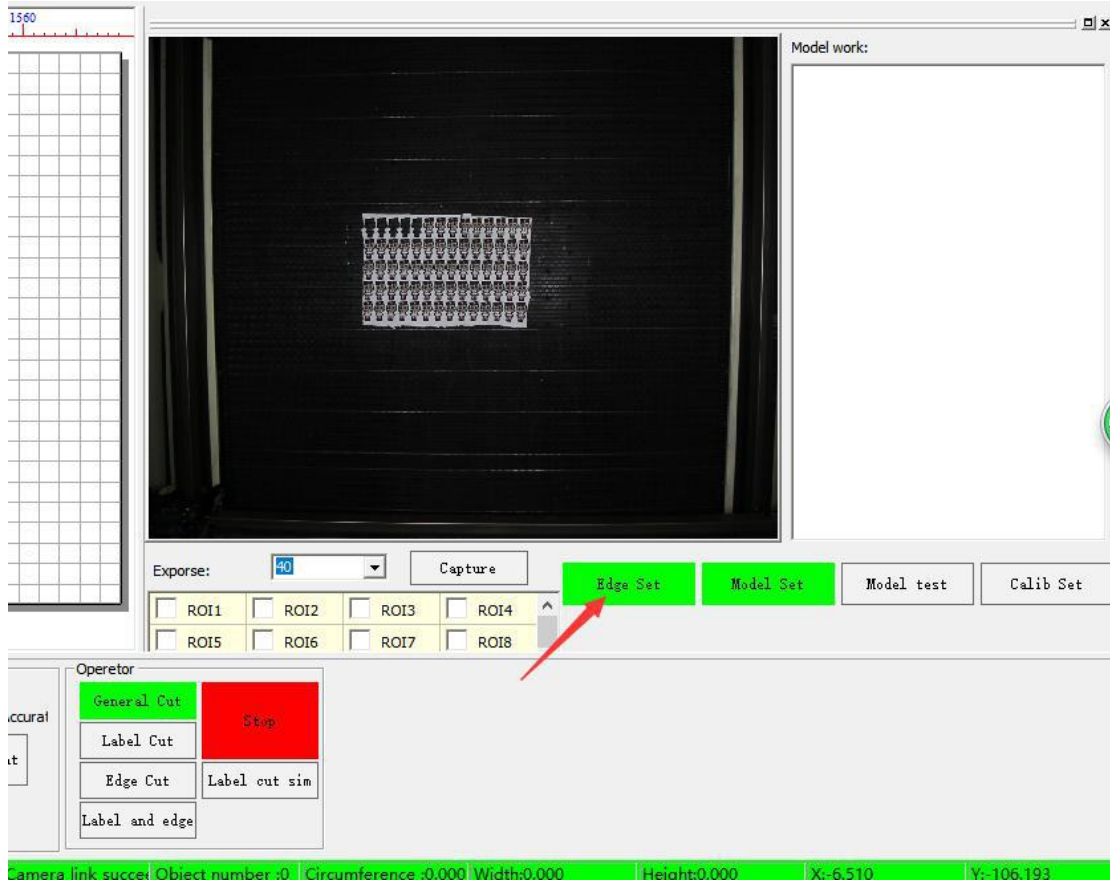
Click the edge management to enter the edge management interface and then select the color border extraction in the special function and click to set the background color and feature points as shown below;



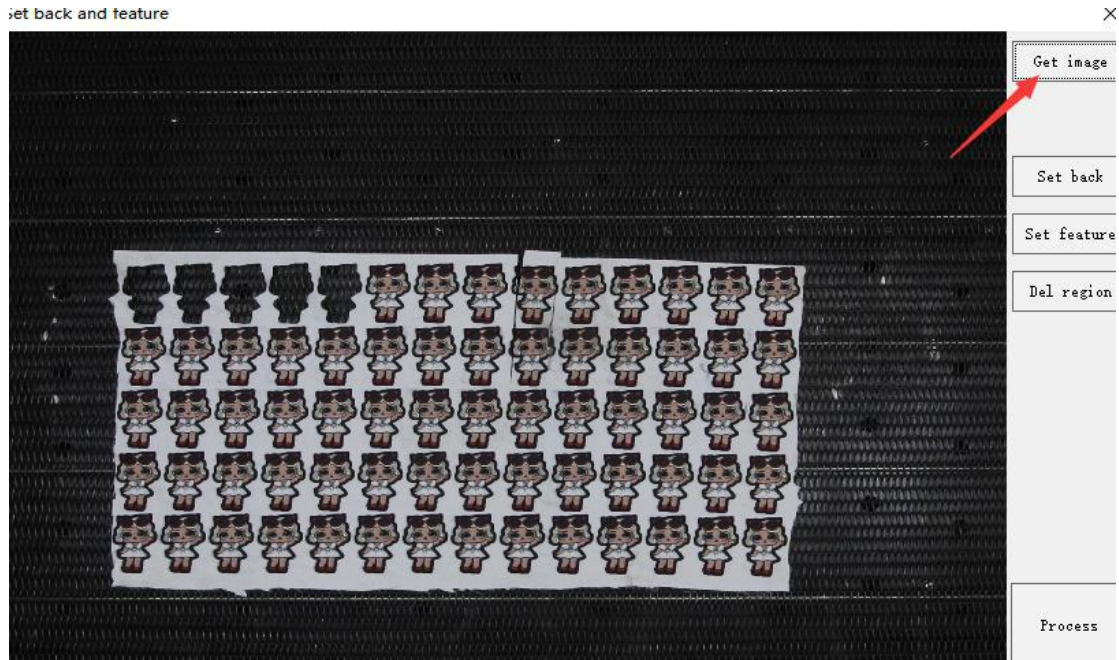
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Go to the interface for setting the background color and feature points. First click to get the image as shown below.



Then click to set the background color and set the feature points (remarks; the background color is red box, the feature points are green boxes, the number of background colors should be consistent with the feature points) as shown below



When we want to delete the background color and feature points, click the delete area and move the mouse to the line of the background color or feature point to be deleted. Double click the left mouse button.

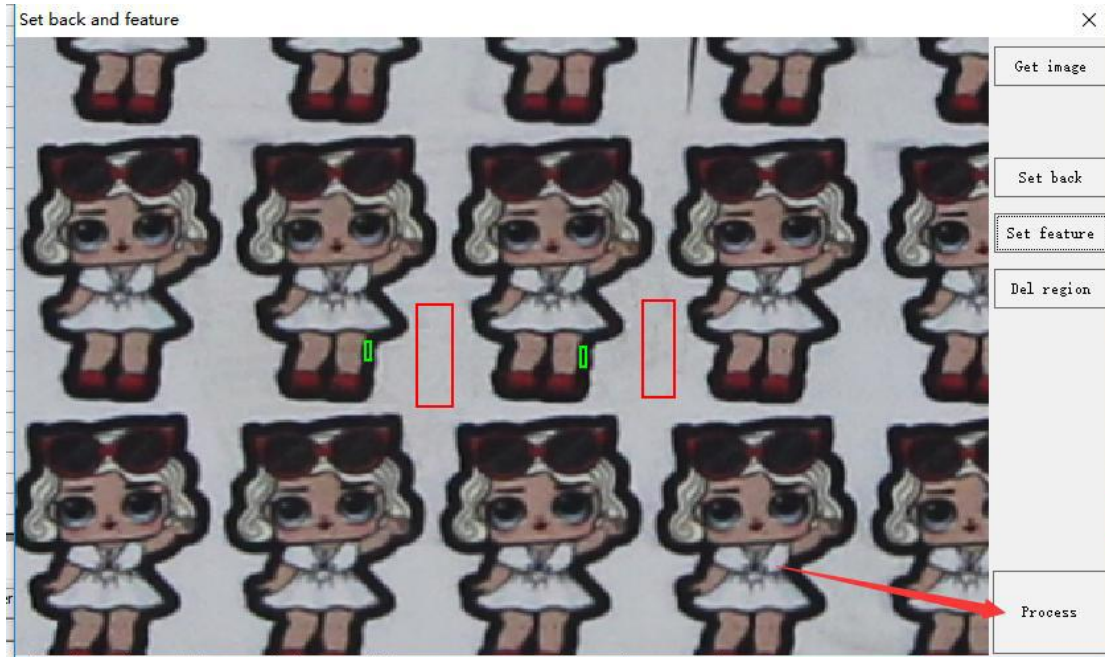


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Click Pre-Process and Save when all settings are complete.





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Set the background color and feature points to complete and set the lifting parameters.

Edge Set

Edge parameter set(mm)

Min size: 30 Max angle: 120

Max size: 100 Line width: 1

Offset: 0

Only outConto Close

Rect Small hole

Extract edge line:

Smooth: 2

Corner: 0

Select edge ID

Special function

Black Region1 Region2

Color edge

Set back and feature

Clear: 2

Smooth: 2

Out: 0

Save image Load image Edge test Use OK



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The first step; set the minimum size and maximum size (remarks; the minimum size is the range of the minimum diagonal of the graphic, the maximum size is the range of the largest diagonal of the graphic.) The maximum diagonal of the graphic is measured with a ruler as shown below Line and minimum diagonal





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Fill in the minimum size and maximum size of the measurement; the minimum size of the filled value is slightly smaller than the measured size, and the maximum size is slightly larger than the maximum size measured.



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Edge Set ✕

Edge parameter set(mm)

Min size: <input type="text" value="30"/>	Max angle: <input type="text" value="120"/>
Max size: <input type="text" value="150"/>	Line width: <input type="text" value="1"/>
Offset: <input type="text" value="0"/>	

Only outConto Close
 Rect Small hole
 Extract edge line:
Smooth:
Corner:
 Select edge ID

Special function

Black Region1 Region2
 Color edge
 Set back and feature

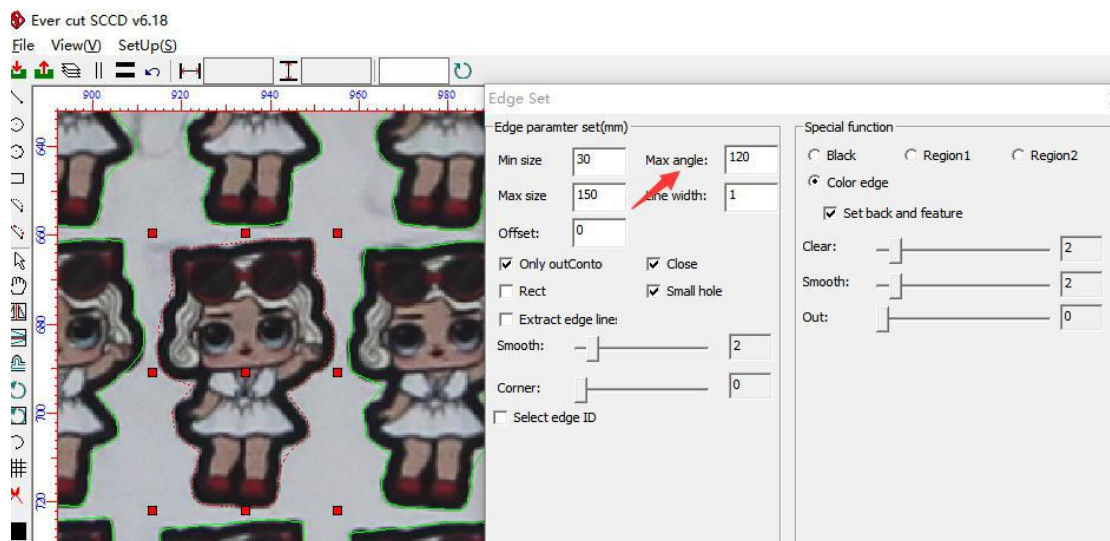
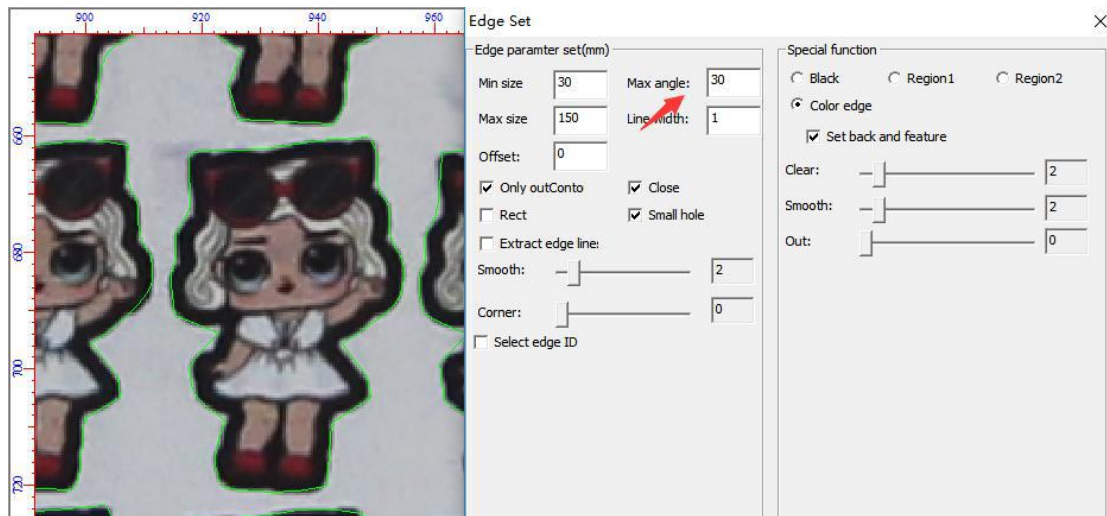
Clear:
Smooth:
Out:

Save image Load image Edge test Use

OK

Step 2 Set the maximum sharp angle (Remarks; the maximum sharp angle indicates that the line at the largest corner of the graph has sharp corners instead of arcs)

The angle of the general graph is 120° . If the angle of the sharp point of the graph exceeds 120° , the degree of the maximum sharp angle in the parameter should be increased. However, the degree of the maximum sharp angle cannot be filled 180° . Otherwise, the sharp corner of the extracted image is an arc as shown below. When the maximum sharp angle shown is 30° 120° 180°

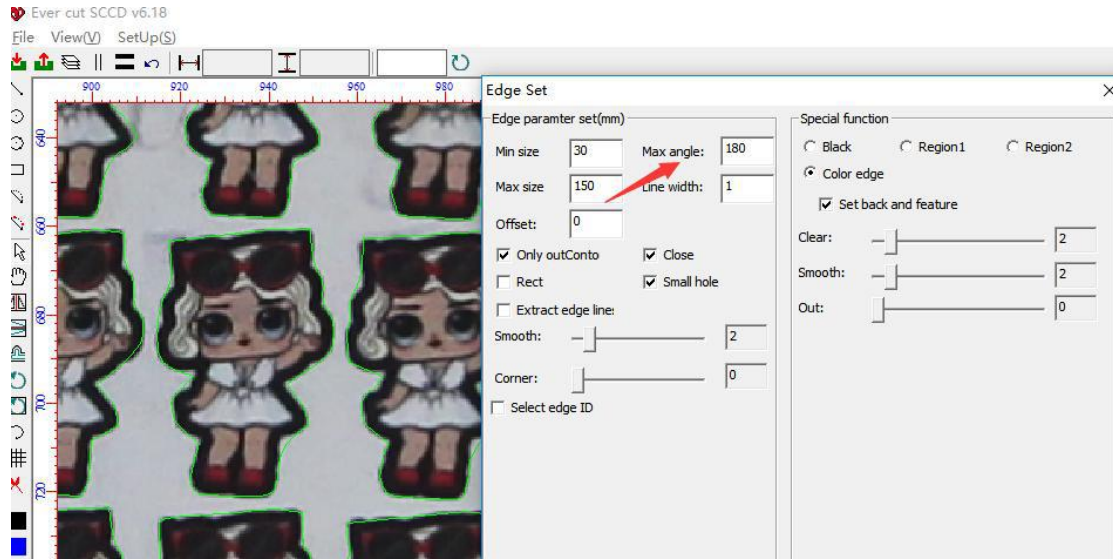




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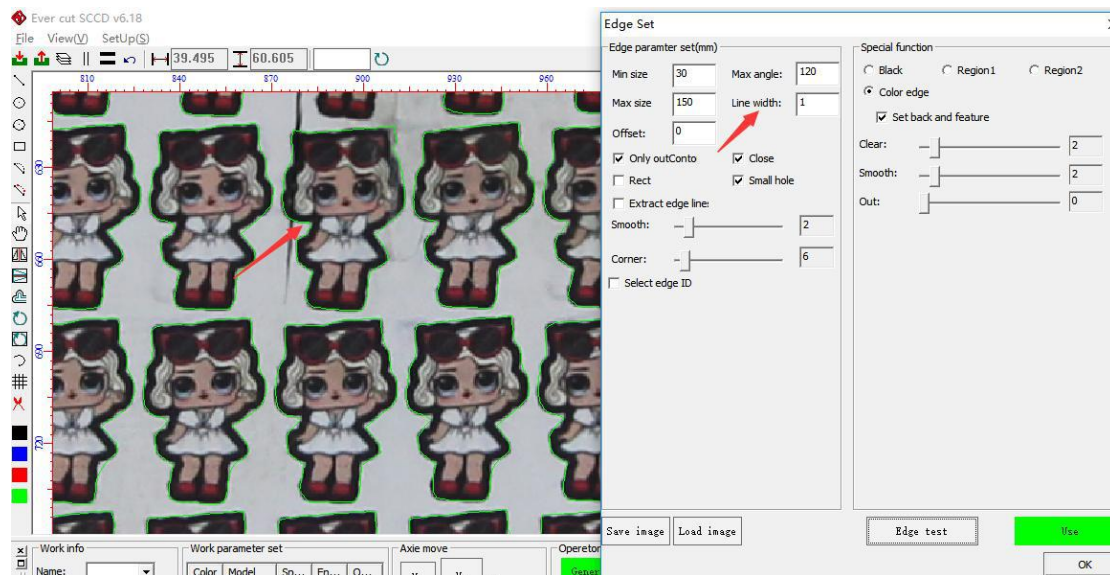
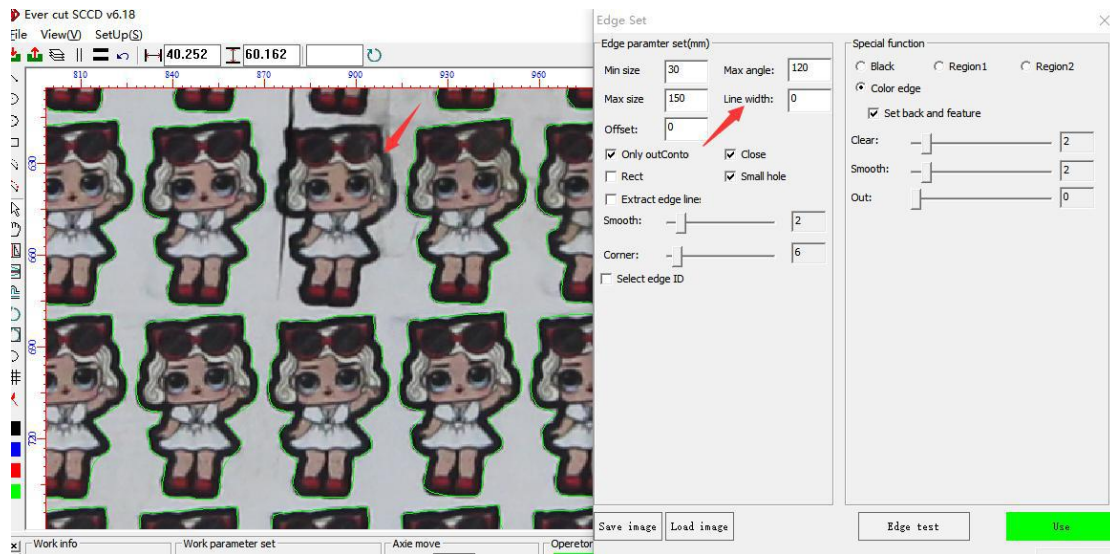
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Step 3 Set the line width (remarks; the line width means that when the graphic appears short, but we want to read the graphic, fill in the line width to link the graphic together)

As shown in the figure below, the graph is broken and broken, but the line is thick and thick.





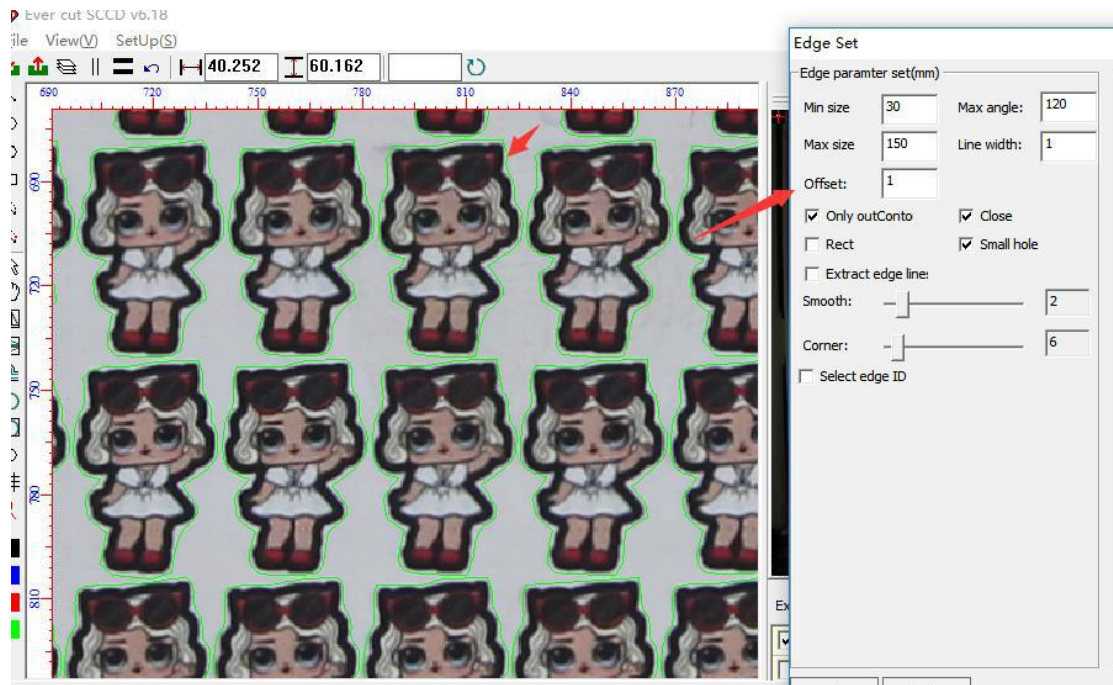
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Step 4 Set the zoom

Zoom; adjust the cutting line to expand and contract. When the graphic cutting line is expanded, the value is positive, and the graphic cutting line is reduced to a negative number as shown in the figure below.

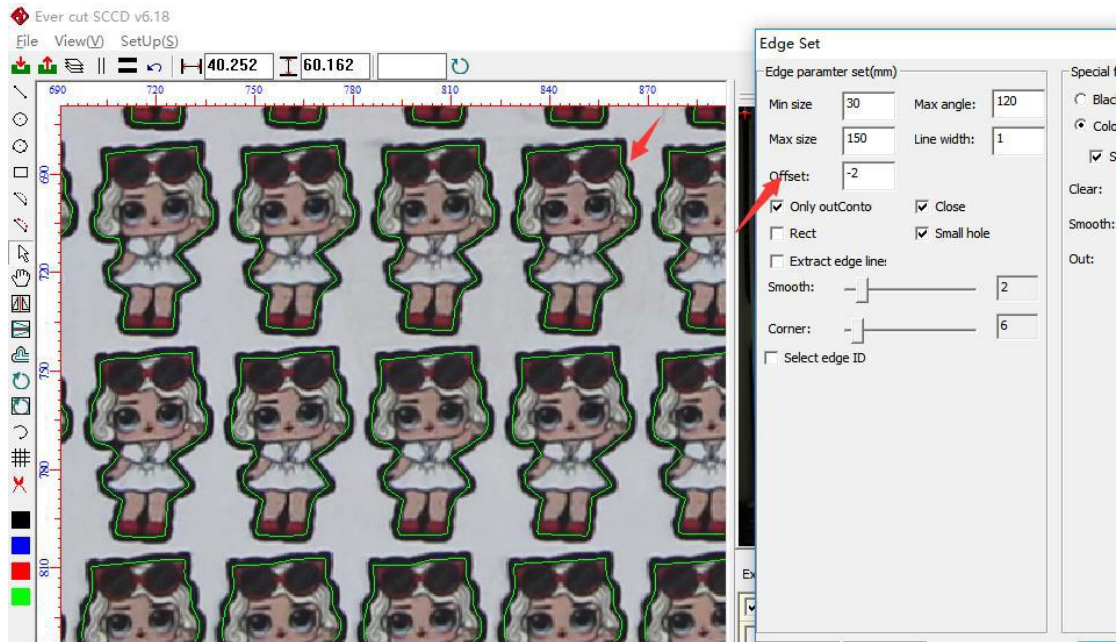




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Step 5 Check only the outer contour

Take only the outer contour; only extract the outer border of the graphic will not extract the pattern inside the graphic

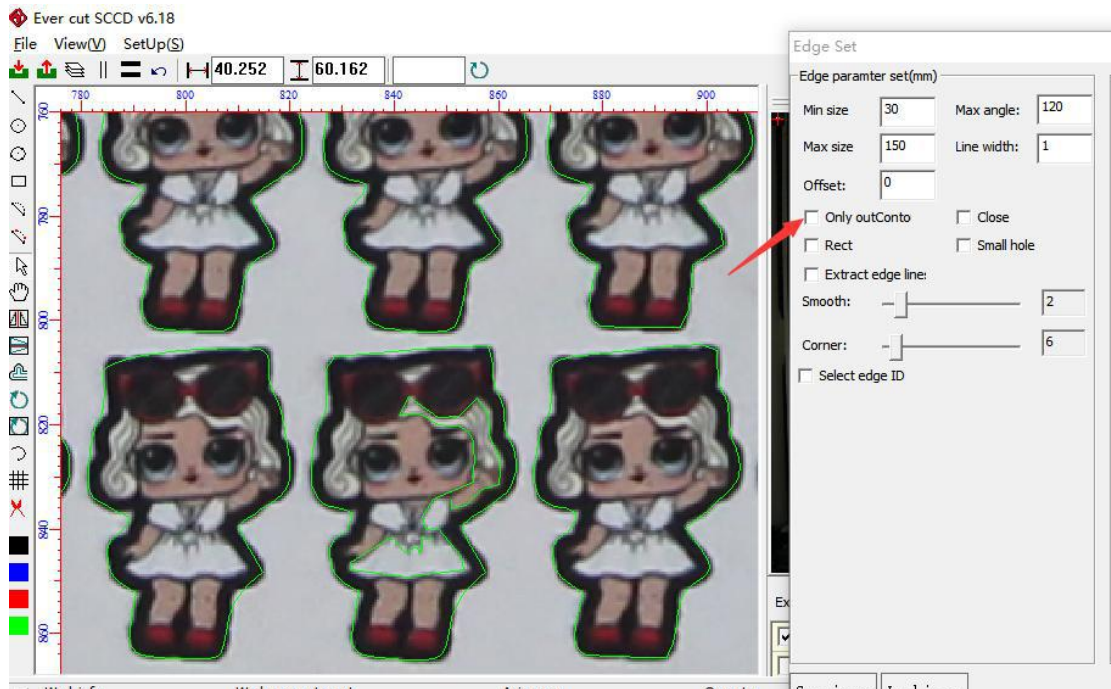
If you only take the outer contour, as shown below



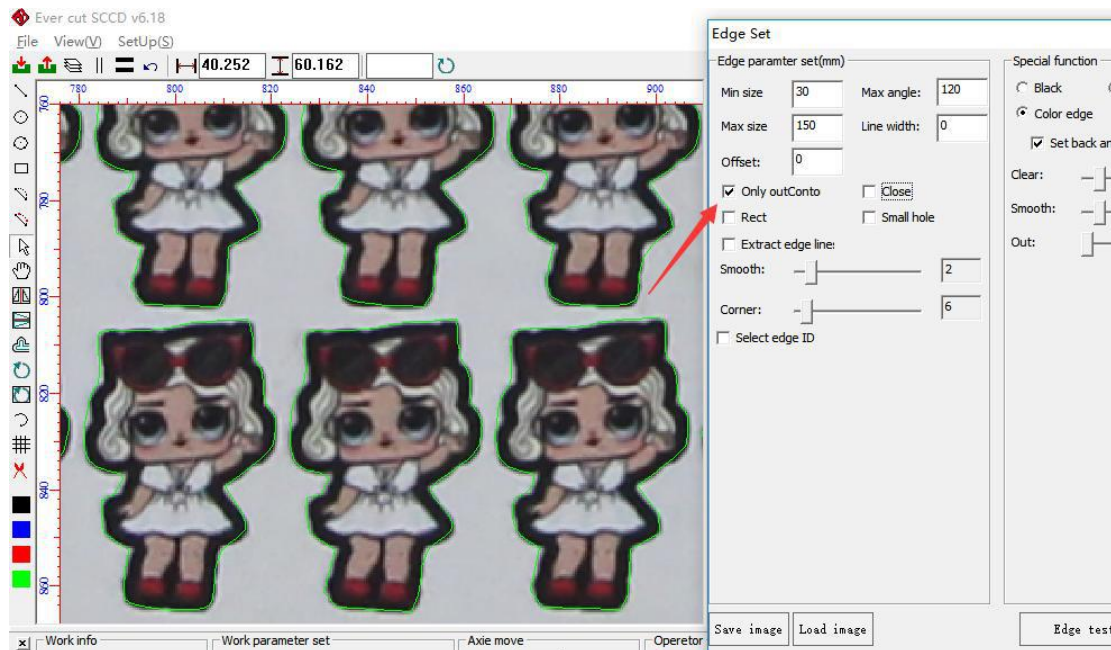
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Check only the outer contour



Step 6 Check the graphic closure



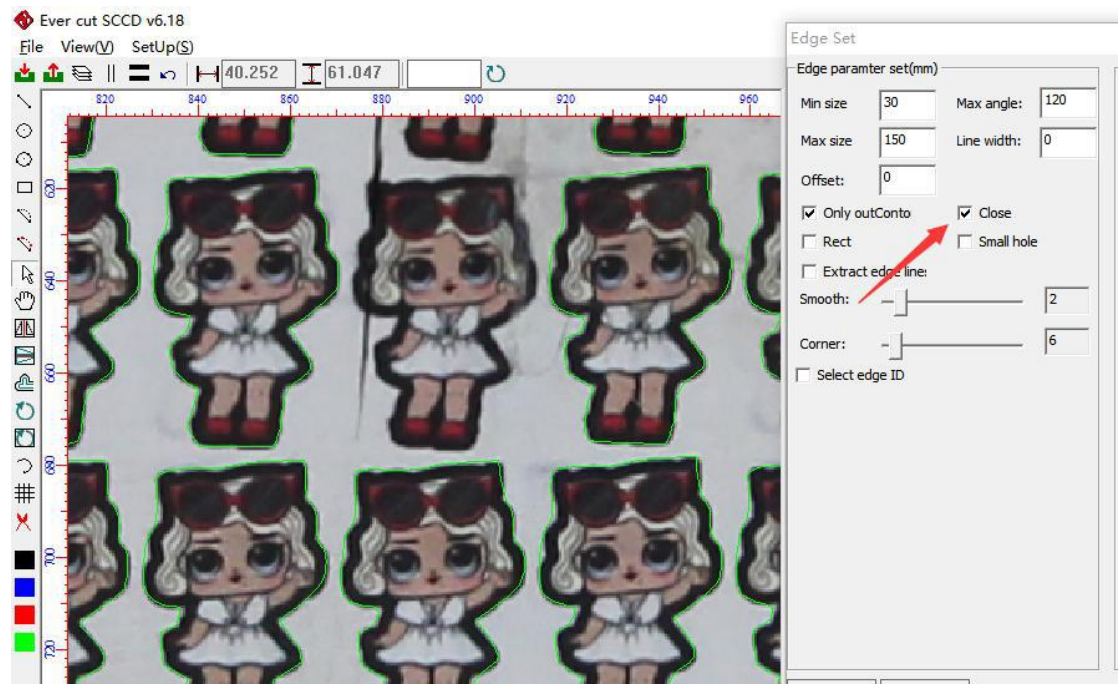
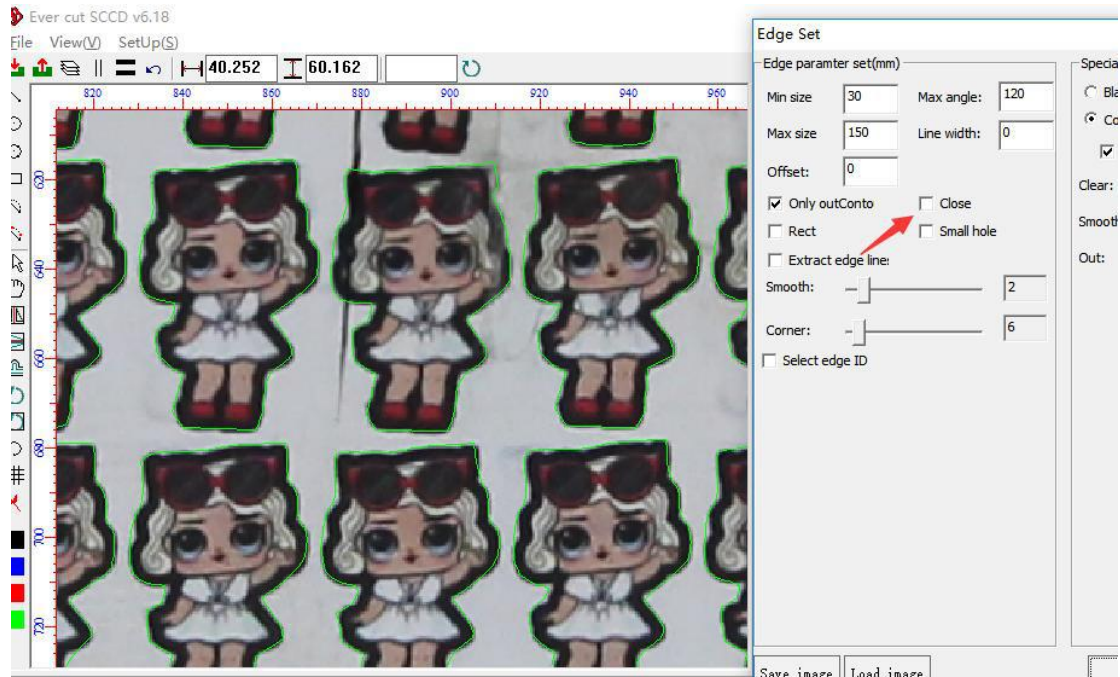
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The graphic is closed; the graphic is a complete closed graphic

When the graph appears broken short line, the graph with the broken short line after the graph is closed will not be extracted as shown below.





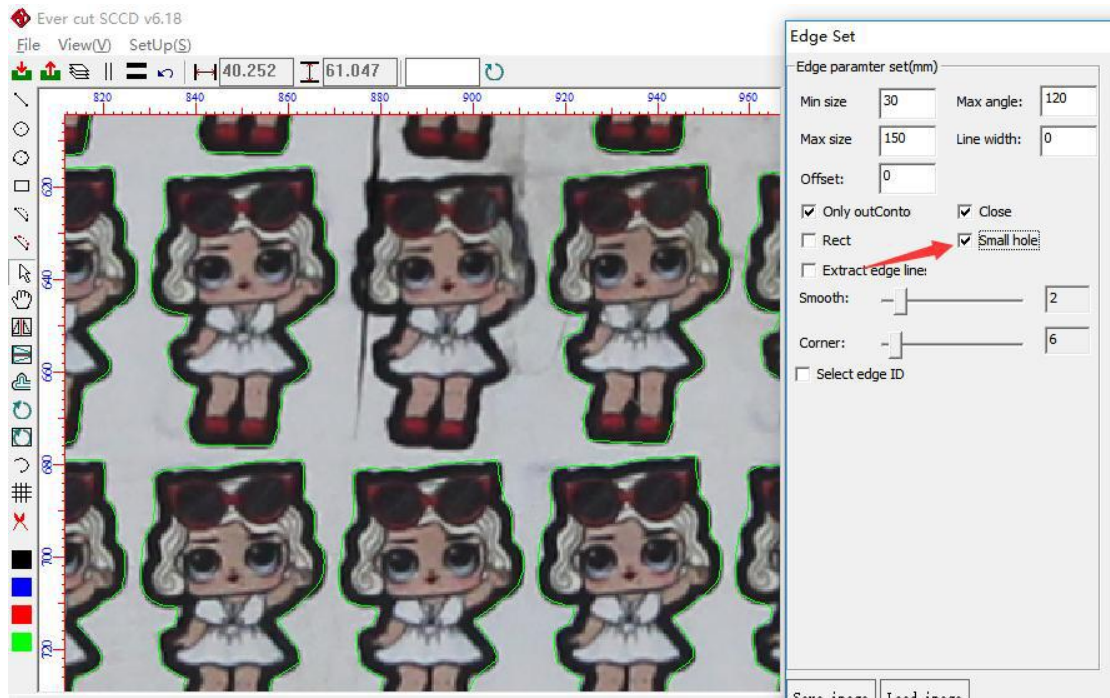
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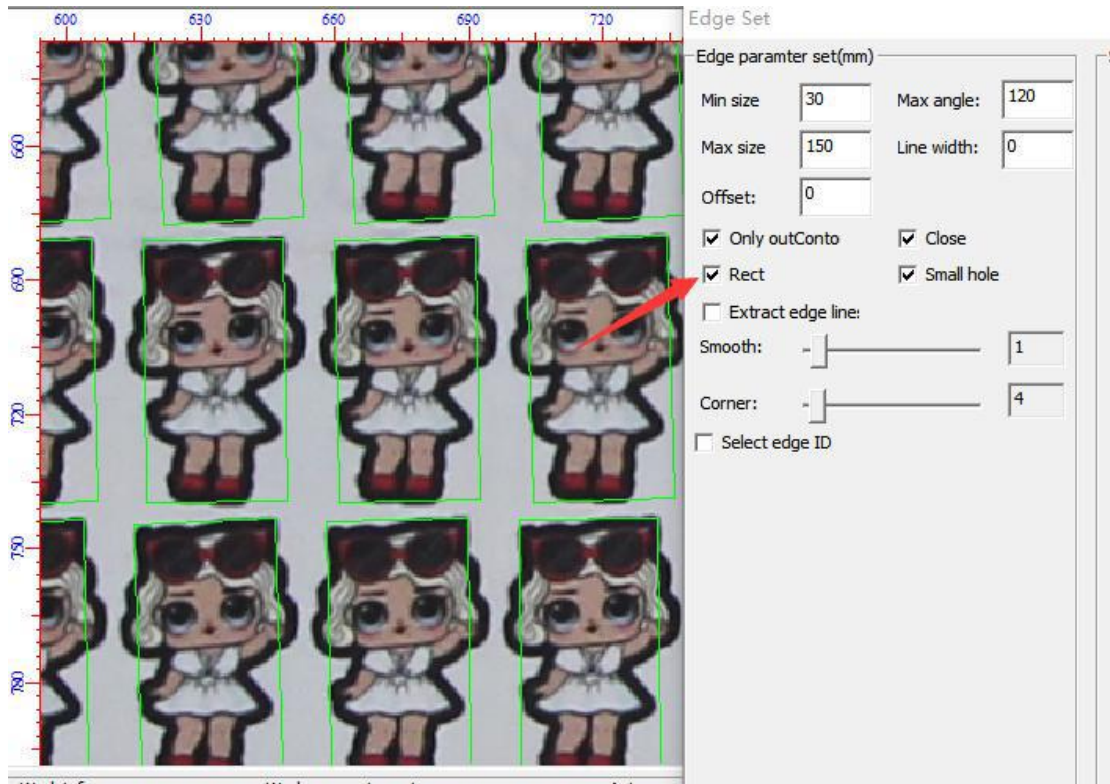
Step 7 Small graphics extraction

Small graphics extraction; when the cutting graphics are too small, the small graphics extraction can speed up the recognition speed of the software.



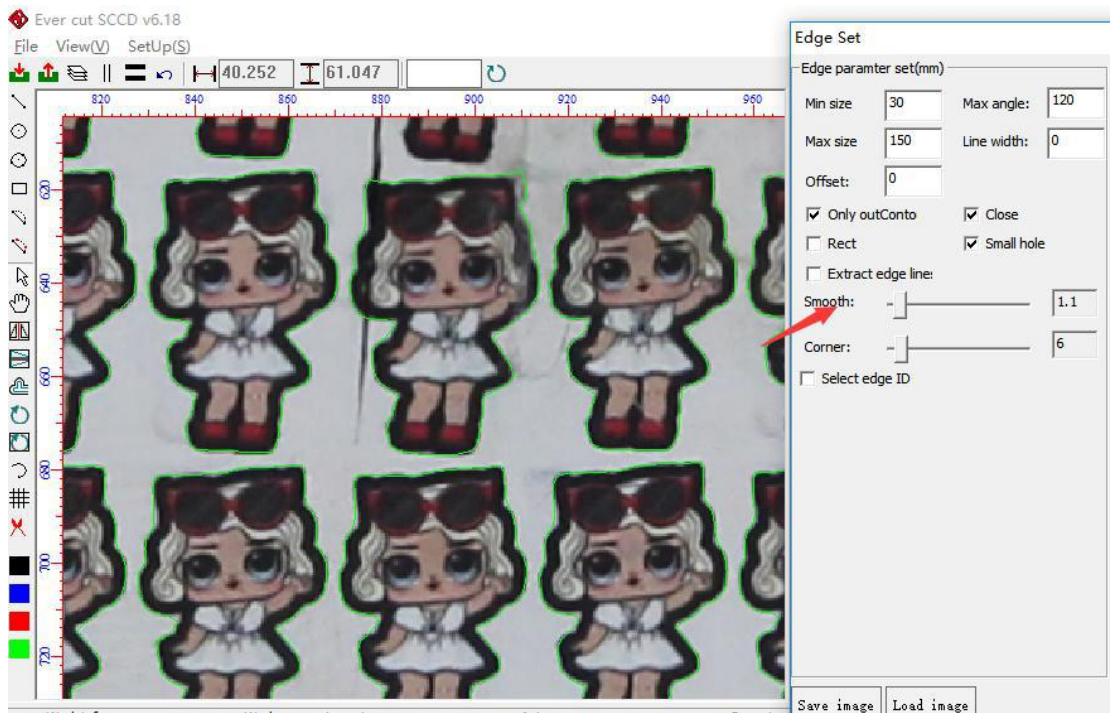
Step 8 Fit the rectangle

Fit the rectangle; extract the border line as a rectangle. It can only be used for the pattern whose shape is a rectangle; as shown in the following figure



Step 9 Adjust the line smoothing

The smoother the line, the smoother the line. The smaller the smoothing factor, the larger the line curvature.

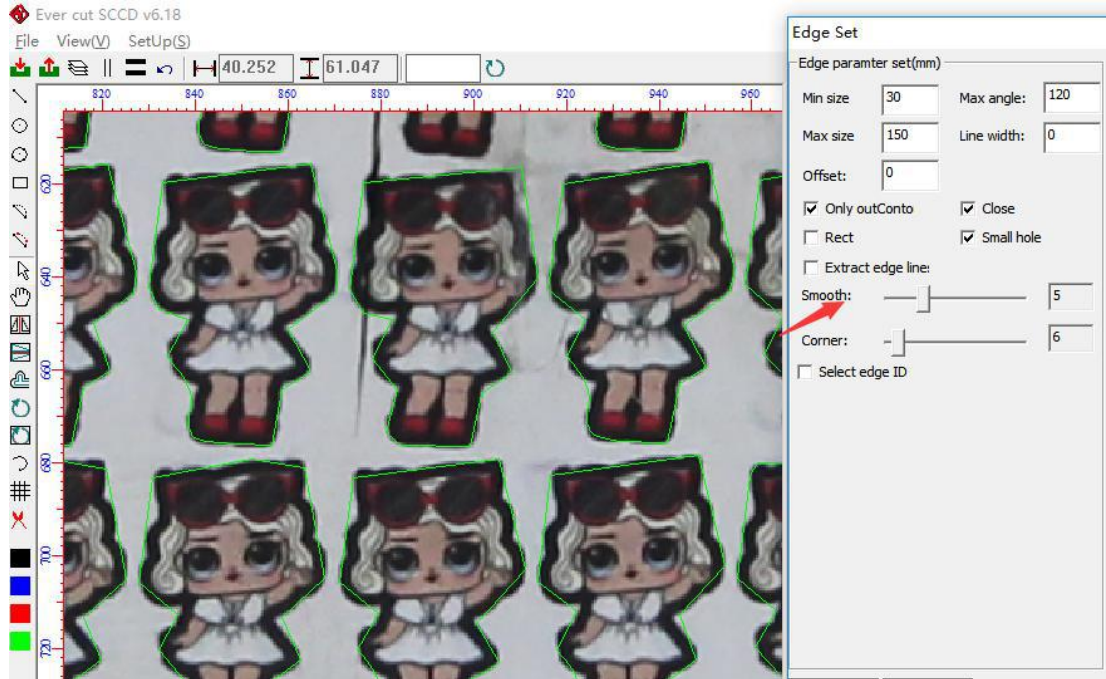




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Step 10; corner adjustment

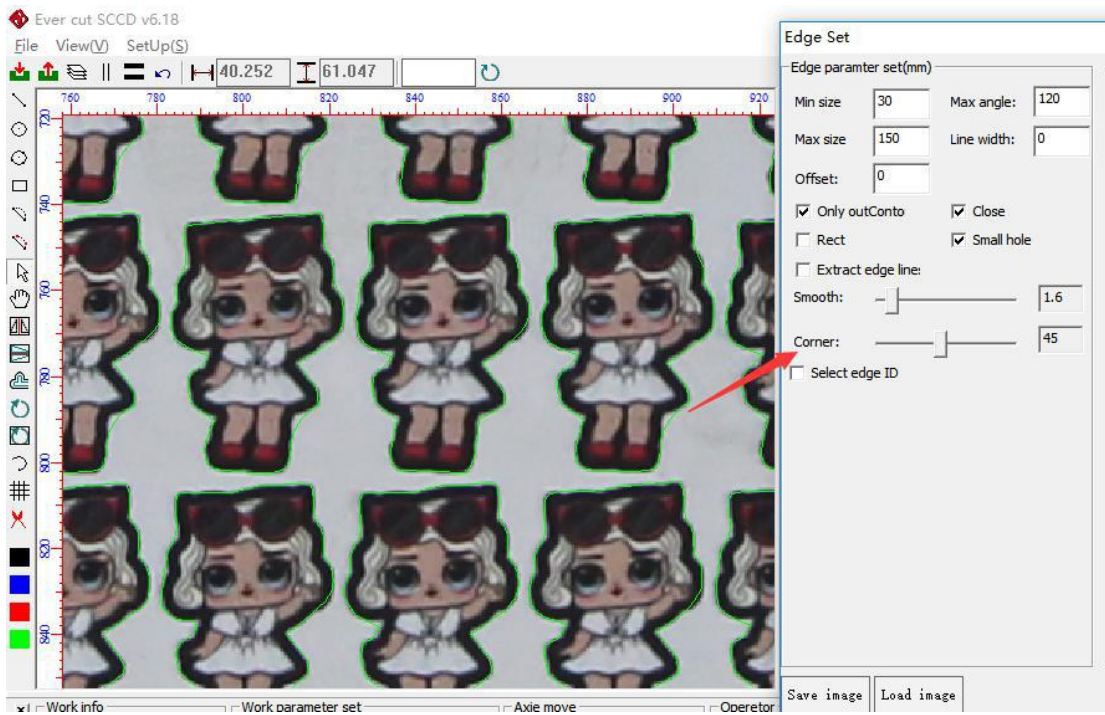
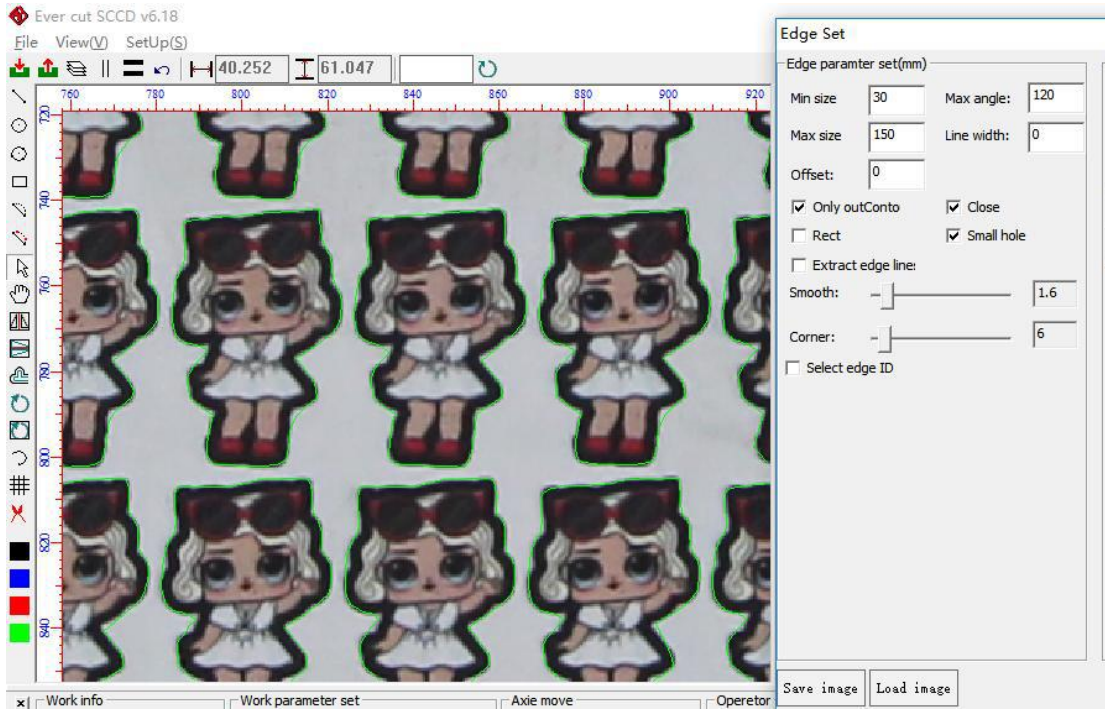
The smaller the corner coefficient is, the larger the corner curvature is, and the larger the corner coefficient is, the smoother the corner is.



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Step 11 Adjust special features in color lifting

Edge Set

Edge paramter set(mm)

Min size: 30 Max angle: 120

Max size: 150 Line width: 0

Offset: 0

Only outConto Close

Rect Small hole

Extract edge line:

Smooth: 1.6

Corner: 45

Select edge ID

Special function

Black Region1 Region2

Color edge

Set back and feature

Clear: 2

Smooth: 2

Out: 0

Save image Load image Edge test Use OK



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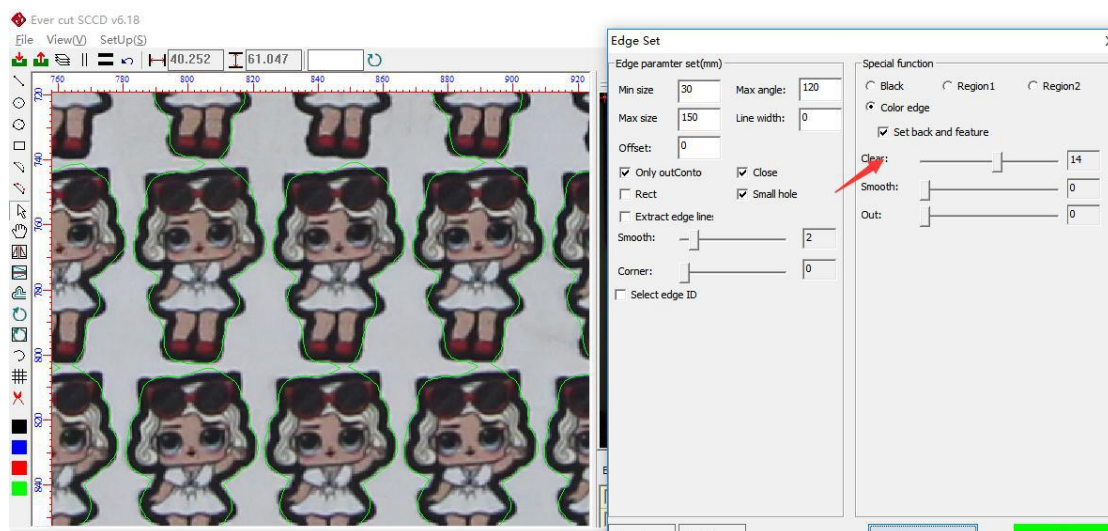
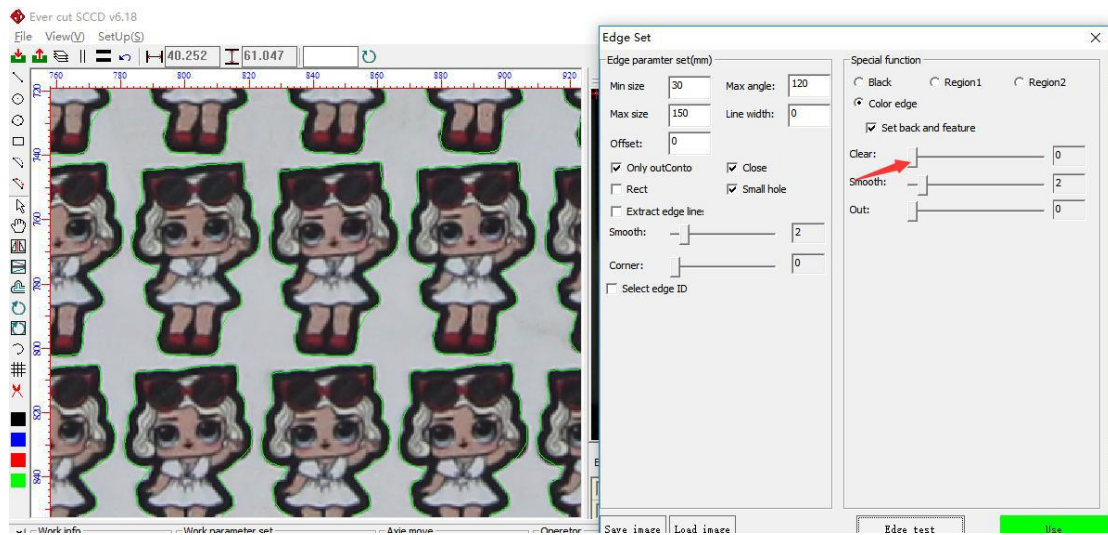
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1 Adjust the impurity line.

Exclusion of the miscellaneous line; when the pattern is removed from the current miscellaneous line, the de-wiring line can be removed to remove the unnecessary miscellaneous lines appearing in the figure.

The smaller the miscellaneous line, the more the cutting line fits the pattern. The larger the miscellaneous line, the more the cutting line fits the pattern, and the correct cutting line may be removed.





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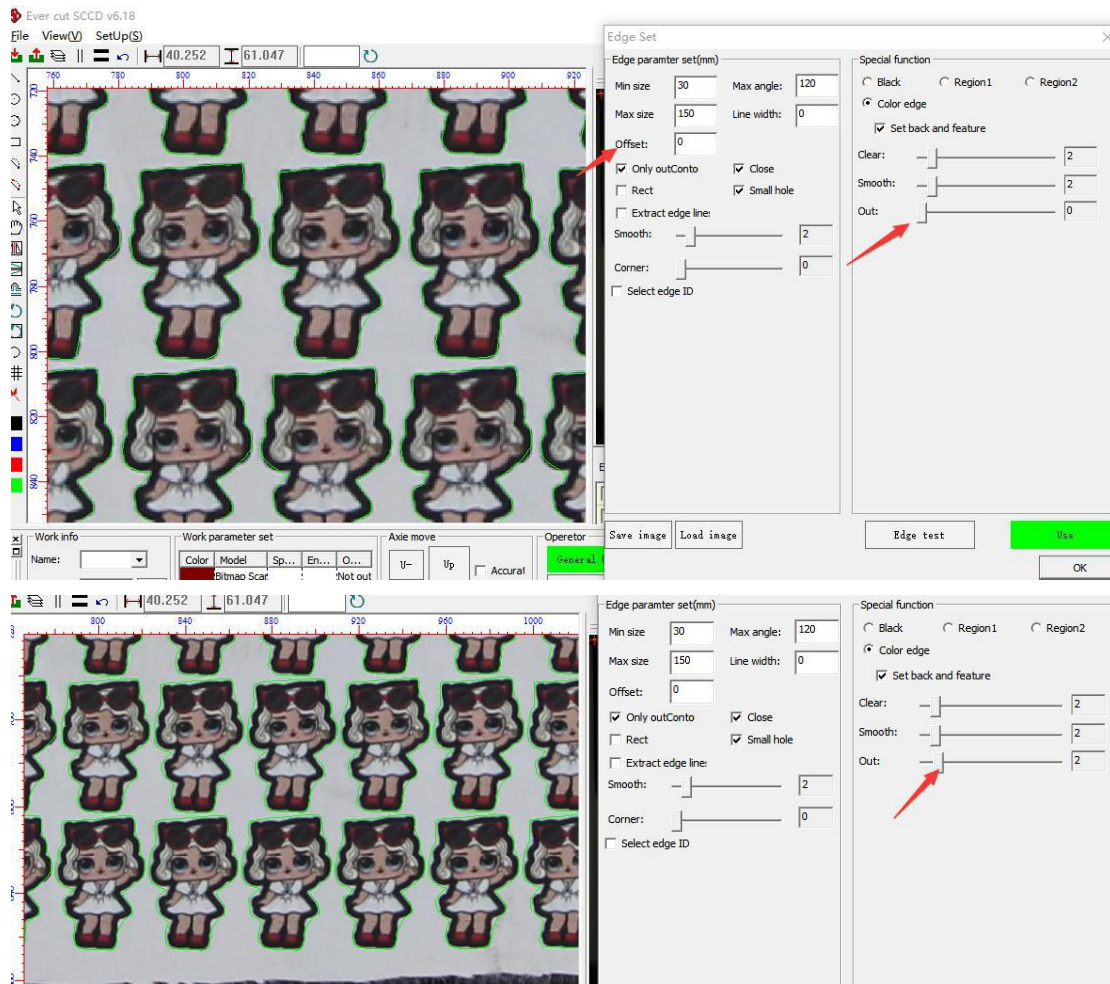
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2 smoothing factor adjustment

Smoothing factor; fine-tuning the cut line smoothing

3 external expansion

The expansion expands the graphic cutting line outward. Note Adjust the zoom to 0 when adjusting the expansion. The indentation is not supported.





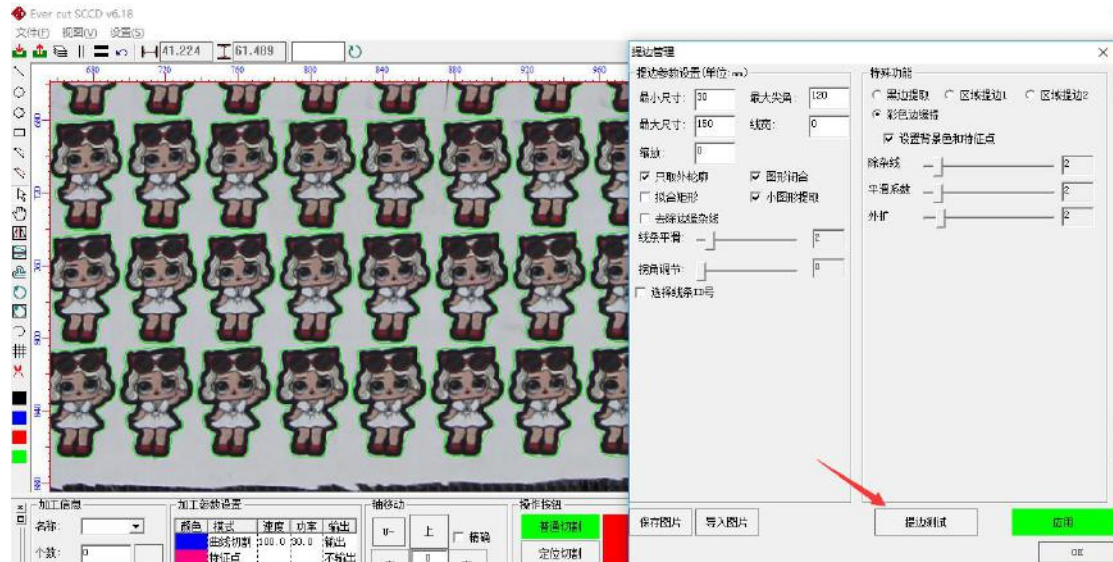
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Step 12 Click on the edge test

Click on the trimming test to see if the graphic cut meets the cutting requirements. If the cutting requirements are met, click OK. If the parameters are not met, re-adjust the parameters.



When you click OK, check the automatic tracking click to start cutting.



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Ever cut SCCD v6.18
文件(F) 视图(V) 设置(S)

41.224 61.489

680 720 760 800 840 880 920 960

680 720 760 800 840 880

曝光时间:
 ROI1
 ROI5

名称:	加工参数设置
个数: 0	颜色 模式 速度 功率 输出
时间: 0	曲线切割 :100.0 :30.0 输出
清空	特征点 : 不输出
总个数: 0	位图扫描 : 不输出
	曲线切割 :150.0 :30.0 输出

轴移动

U- 上 精确
左 0 右
U+ 下

操作按钮

普通切割 停止
定位切割 定位切割模拟
整体自动追踪
定位追踪混合