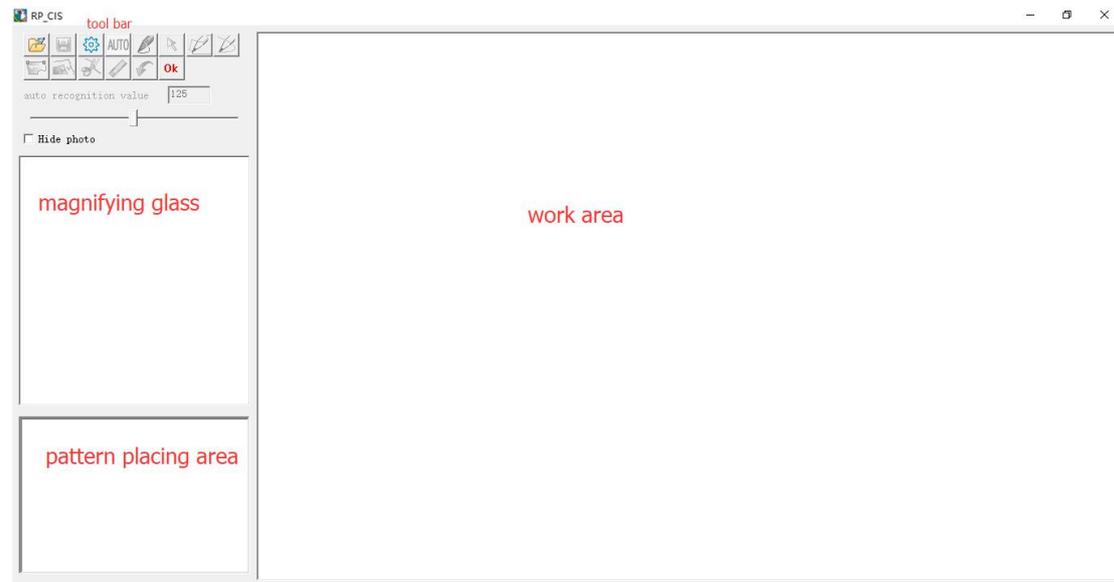


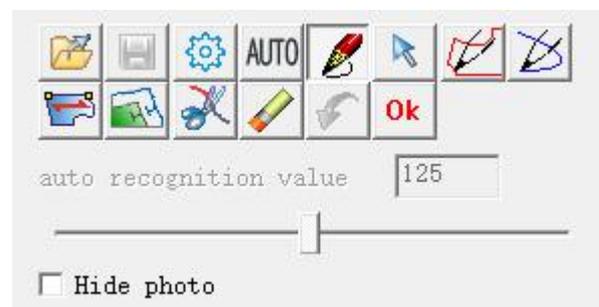
## Richpeace Photo Digital System Manual

Richpeace Photo Digital System supports 2 methods, one needs fix camera, the other one is handling a digital camera. Frame size ratio is 4:3.

### 1. Work Area

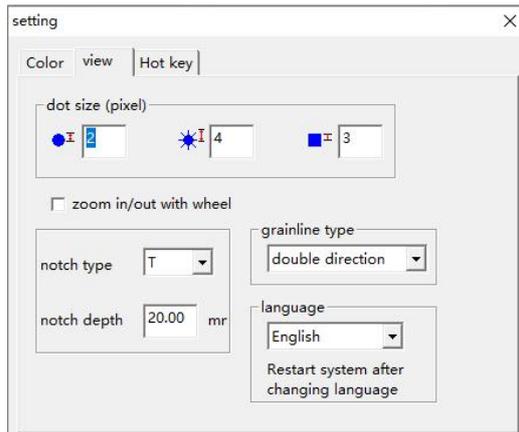


### Tool Bar

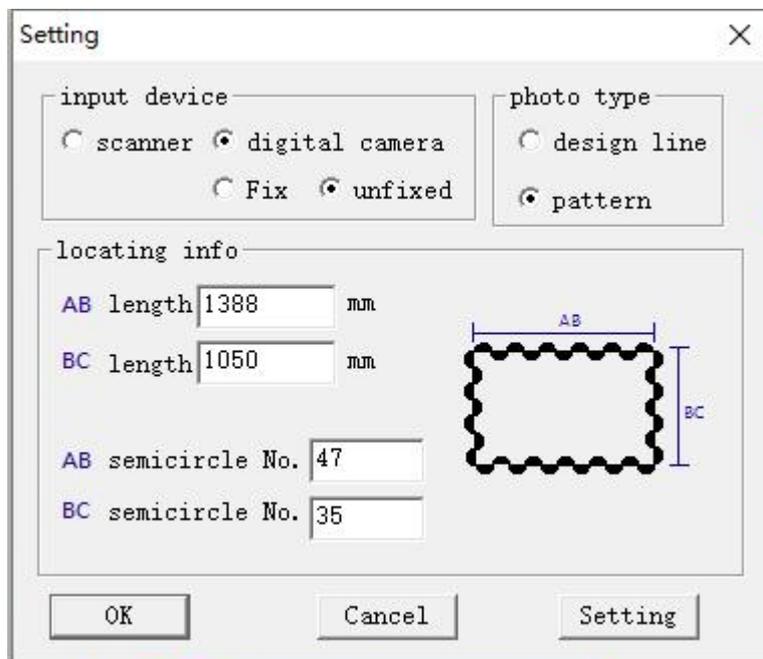


### Note: Hotkey

1. Space key+Mouse Left, drag a area, zoom in partially.
2. Space key+Mouse Right, full screen
3. Space key+wheel, zoom in or zoom out; after zooming in, scroll down or up with wheel.
4. If select [zoom in/out with wheel], can zoom in/out with mouse wheel.

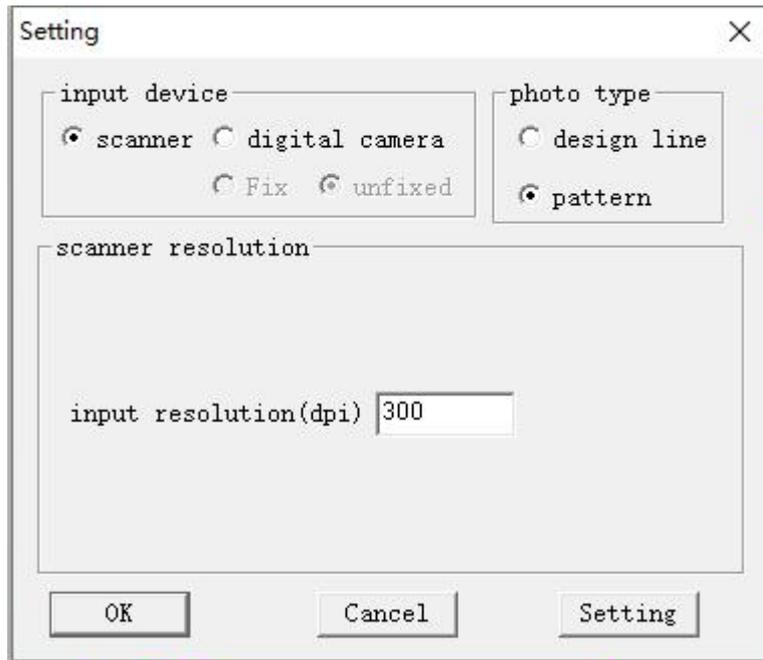


### Positioning Info



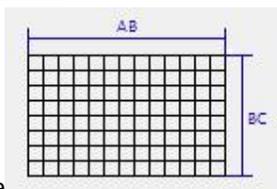
[input device]: left click select scanner/digital camera

A. [scanner] input "scanner resolution" and select "photo type", and then open image.



B. [digital camera] digital by fixing camera or unfixed ( handling a digital camera)

**Fix camera:**



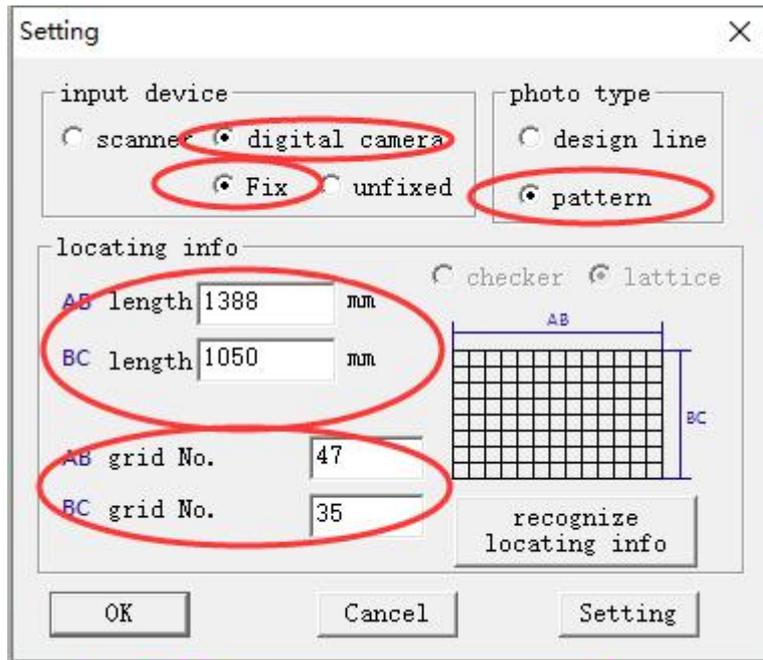
Frame

AB and BC value should measure, AB and BC (row and column should count handling).

**Note: because of printing error, please check following items:**

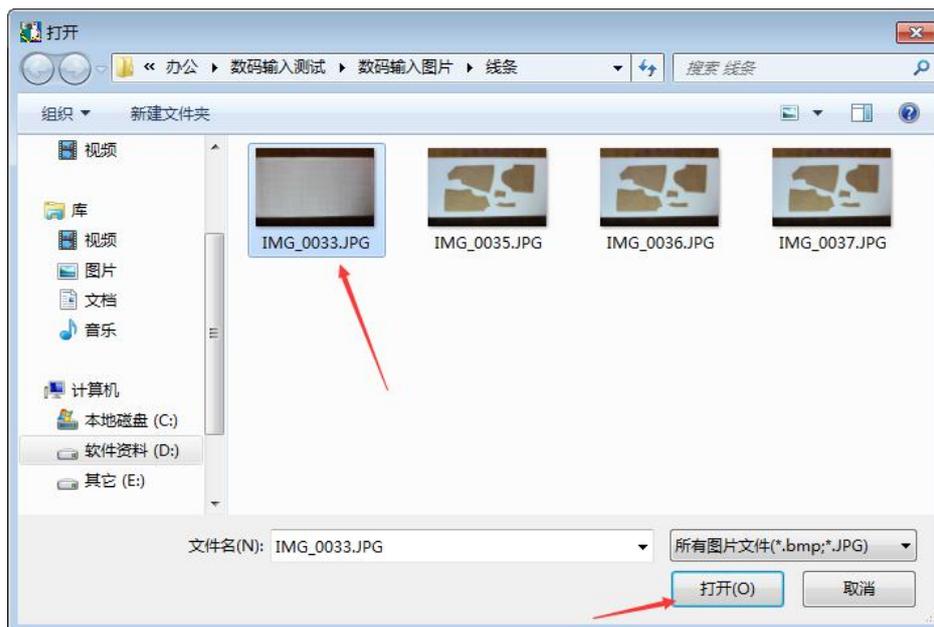
- 1. Check if AB and BC vertical, if not, would cause error;**
- 2. Measure AB and BC length by ruler, long steel ruler would be better, can avoid joint error and stretch error.**

**Input actual value**



Input value, click “recognize locating info” to recognize;

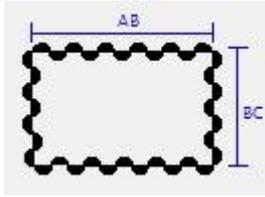
1. Click “recognize locating info”, pop-up “open”, select image;



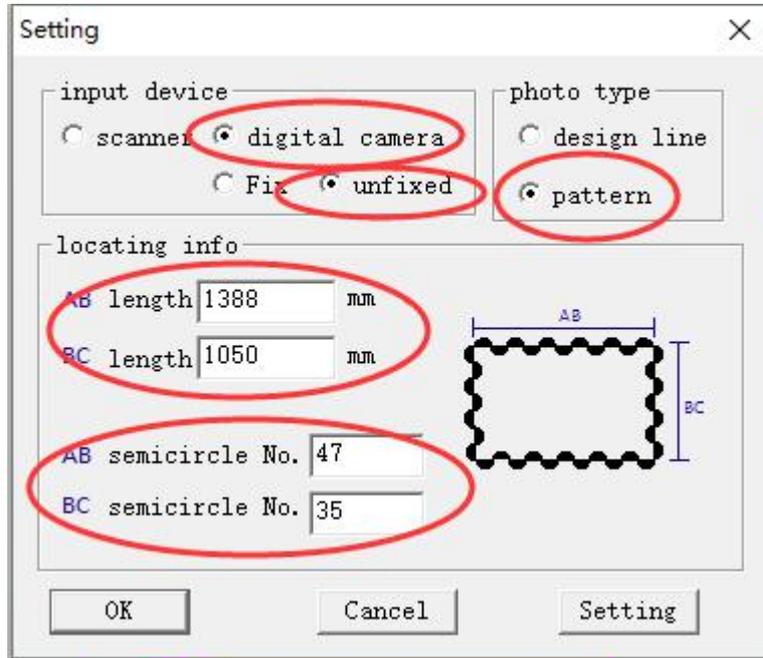
2. Frame recognize, click 4 border lines, right click auto recognize all lines, if miss any line, can click to select. After selection, click “OK”.

Handling a digital Camera:

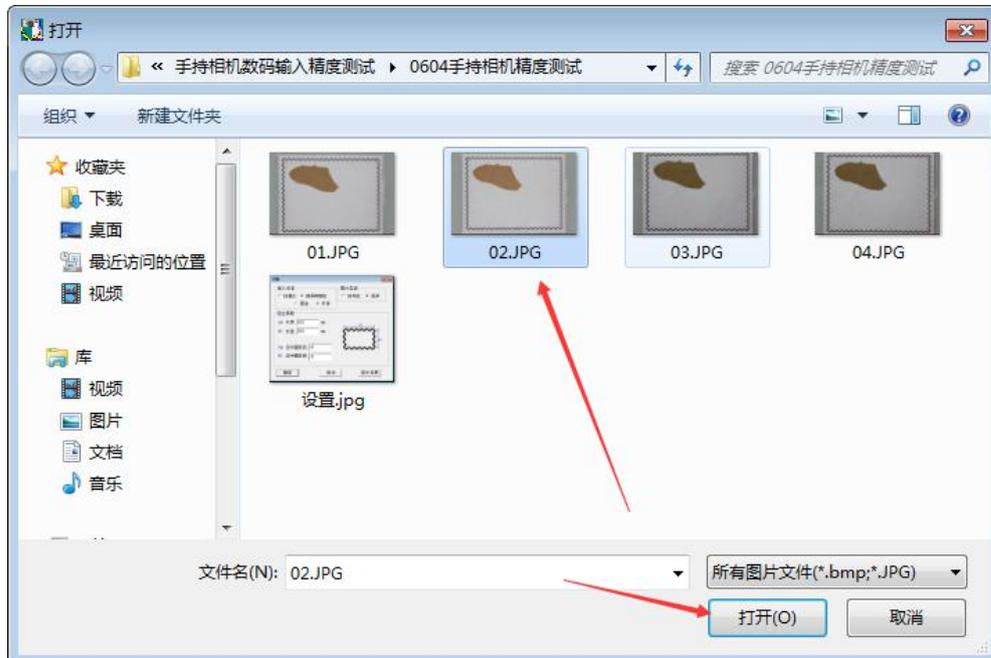
**Semicircle Frame ( AB and BC length should be measured, AB and BC quantity should be actual number.**



Input actual value in Setting;

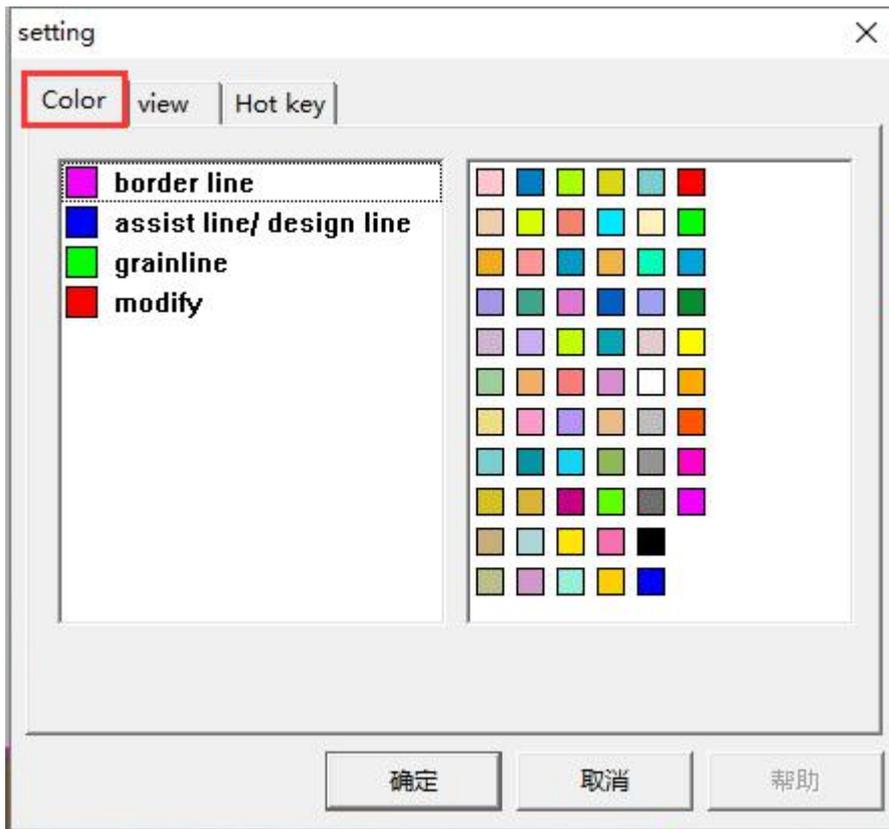


Open Image;

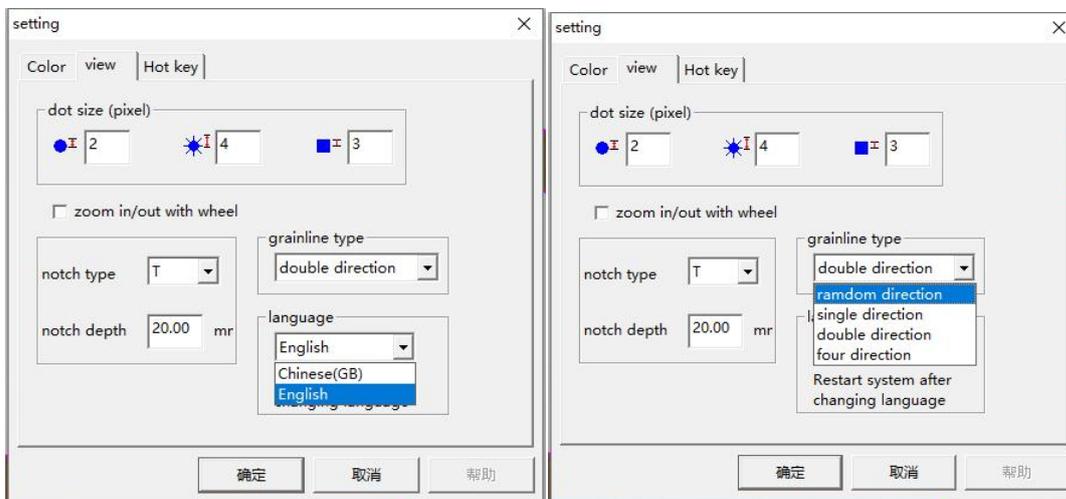


Setting [Setting]:

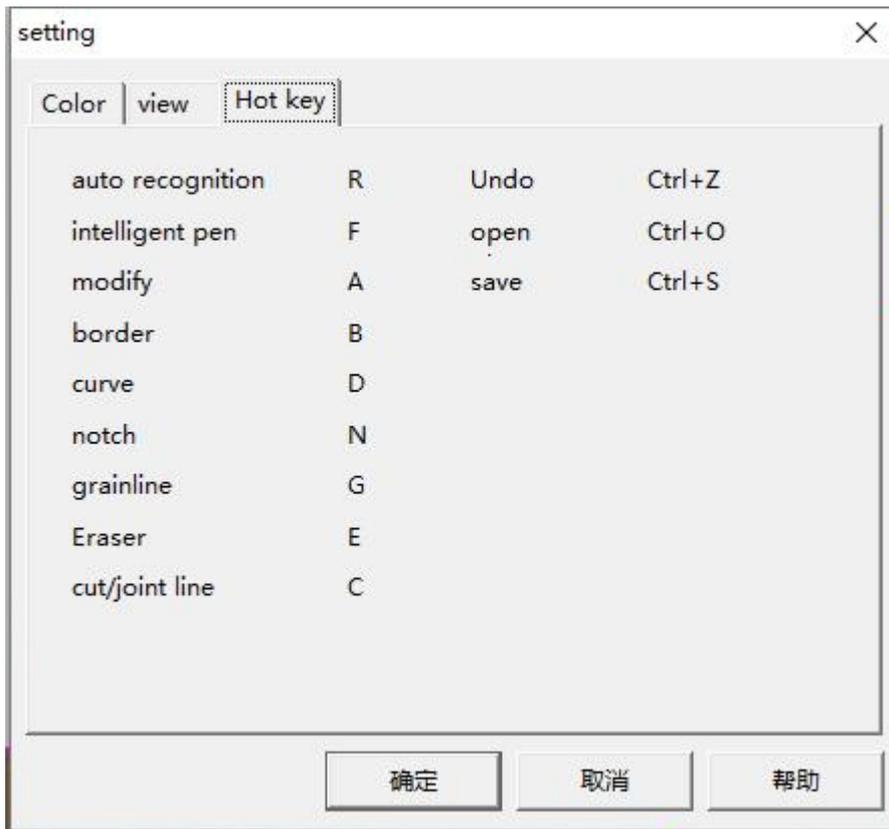
[color] can modify default view color;



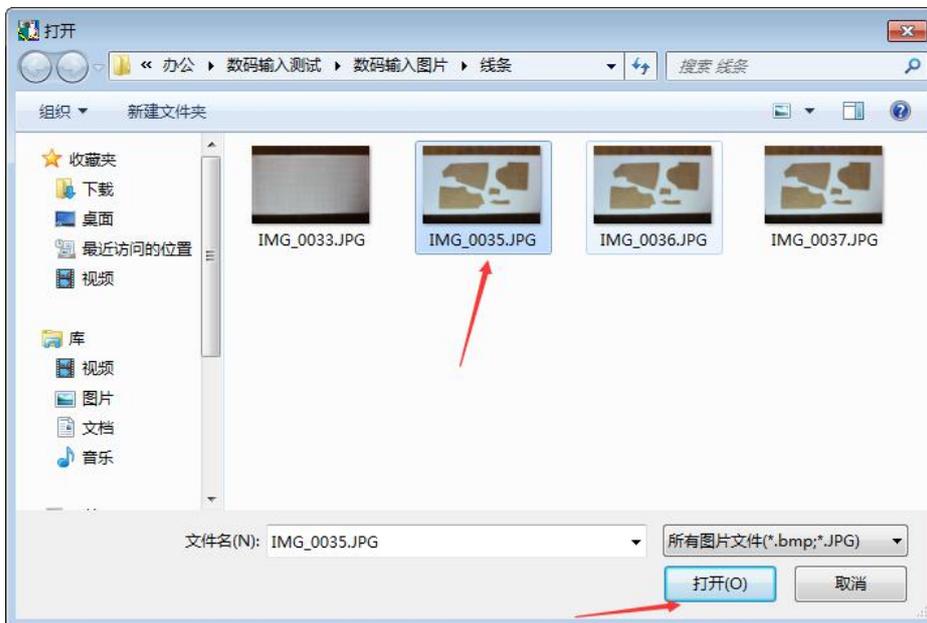
[View] reset working area view setting, can set language, grainline type, etc.



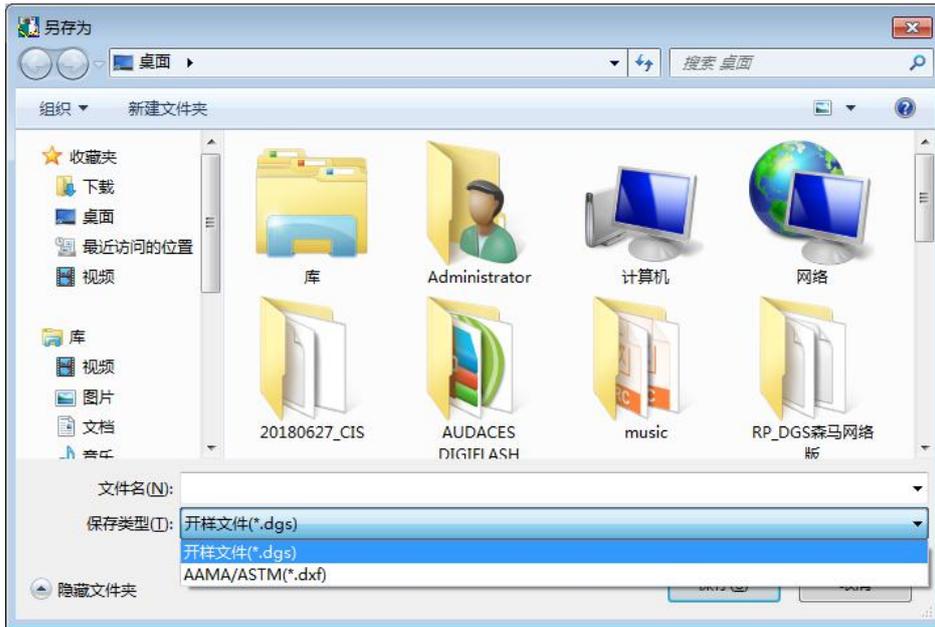
[Hot key] Hot Key in System



[Open] left click open image;



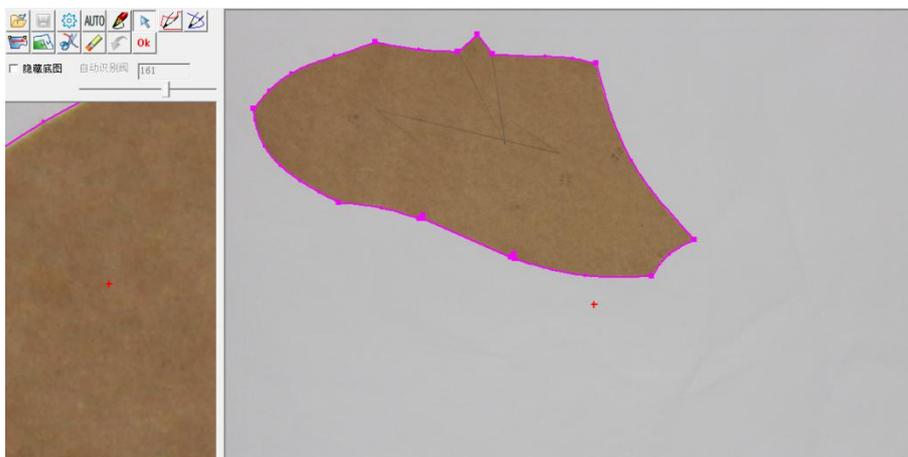
[save] left click save patterns;



**AUTO** [auto recognition value] left click this icon, drag “auto recognition value” scroll bar or input value, recognize patterns automatically;

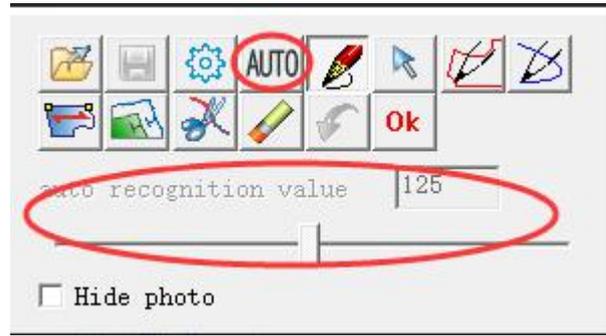


Check the border line and right click to finish patterns;

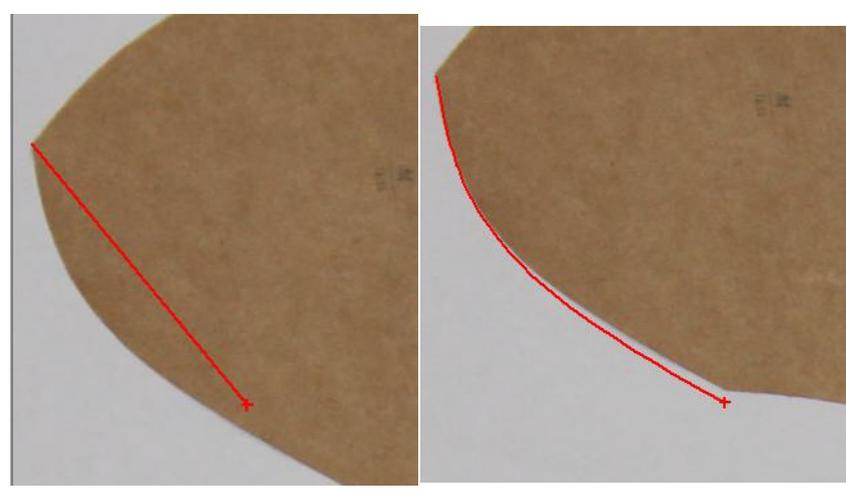


Click [OK] icon, and then click [save] icon ;

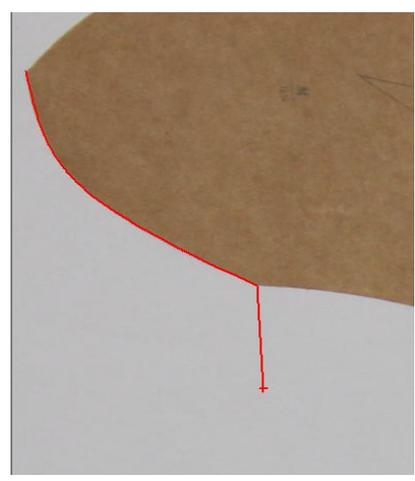
Note: If not click start [AUTO], can not active "auto recognize value" ;



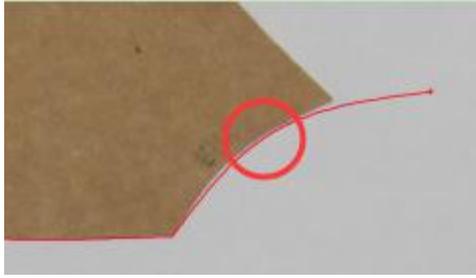
 [intelligent pen] left click this icon, create curve according image ( can create border line and inner assist line), click one point, drag and then click, can create a curve;



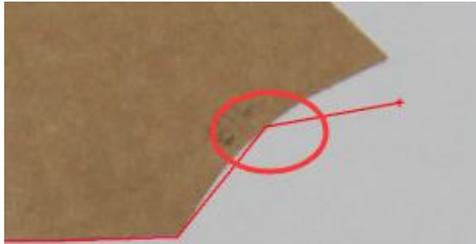
Press Shift key and click [intelligent pen] icon can create broken line; press "shift" key do not release can create multiple broken lines, if just press once, just current curve change as broken line.



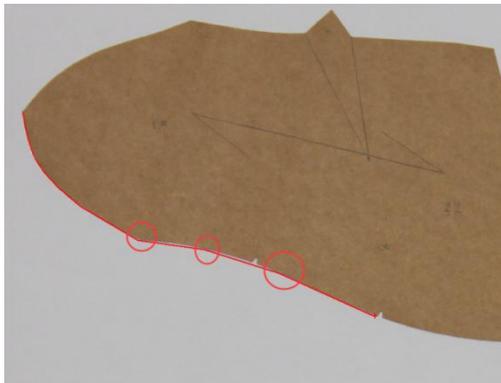
Curve;



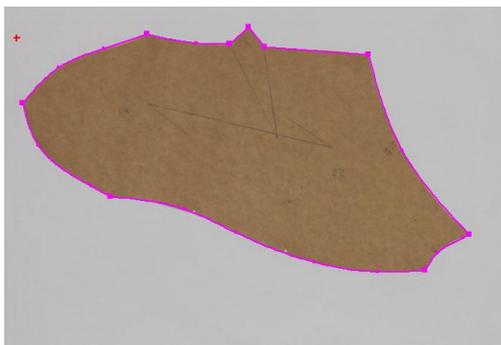
Create curve and then press Shift key;



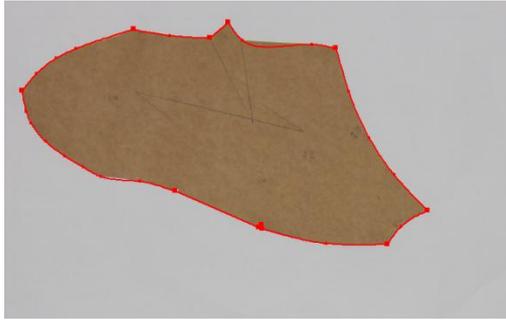
Press Shift key not release



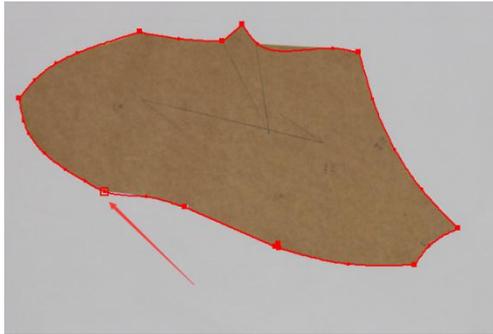
Then right click to close automatically.



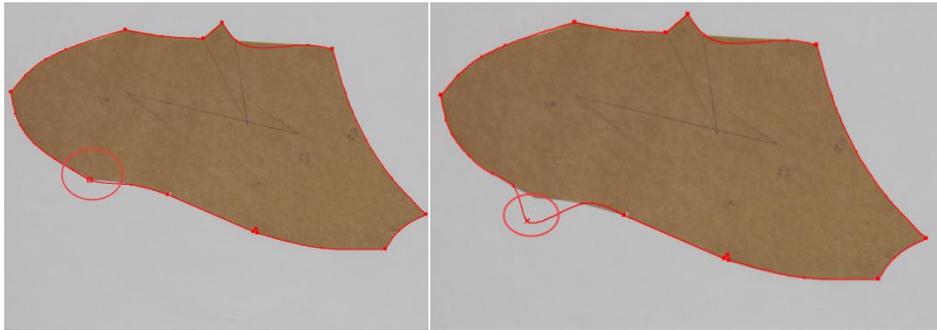
Can use this tool to modify border and assist line;  
Right click to select;



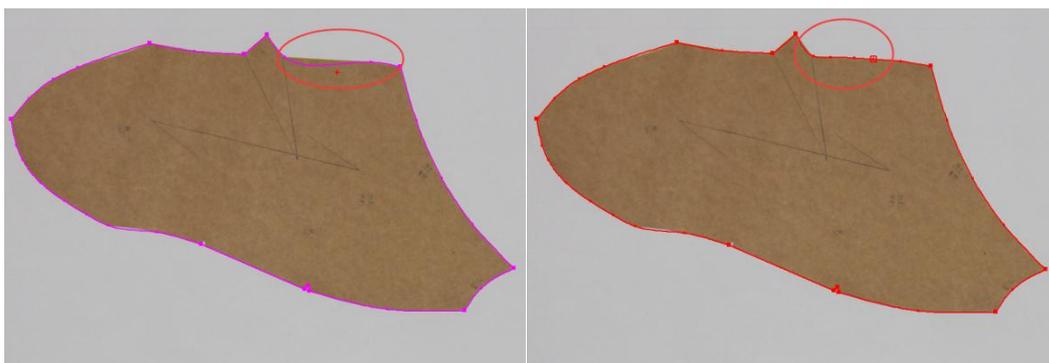
Put cursor on point or line;



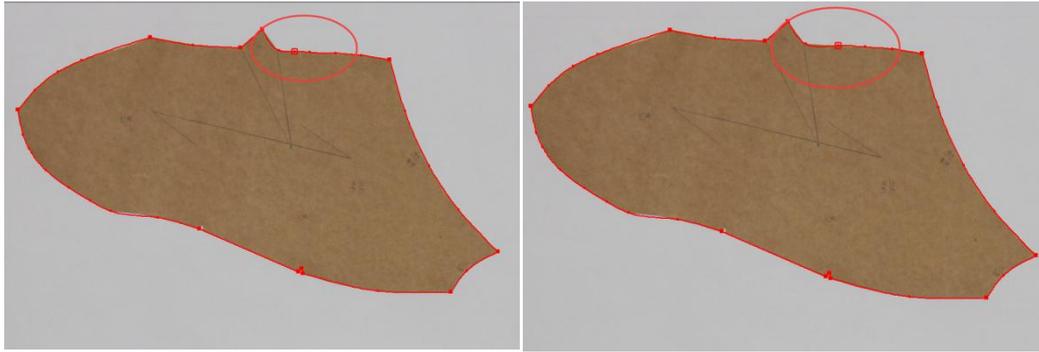
Left click or drag can adjust;



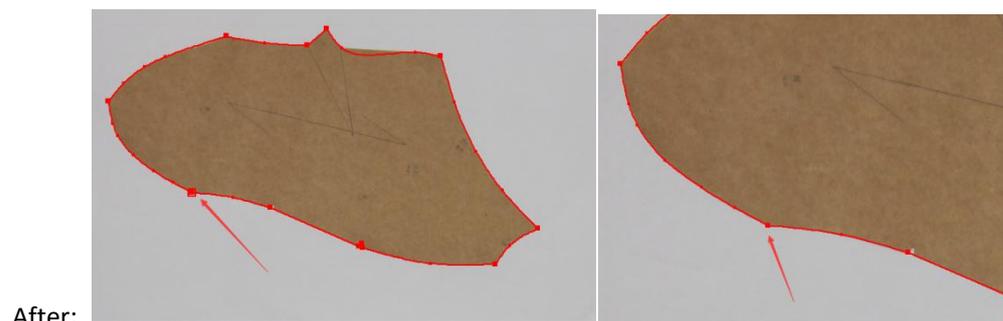
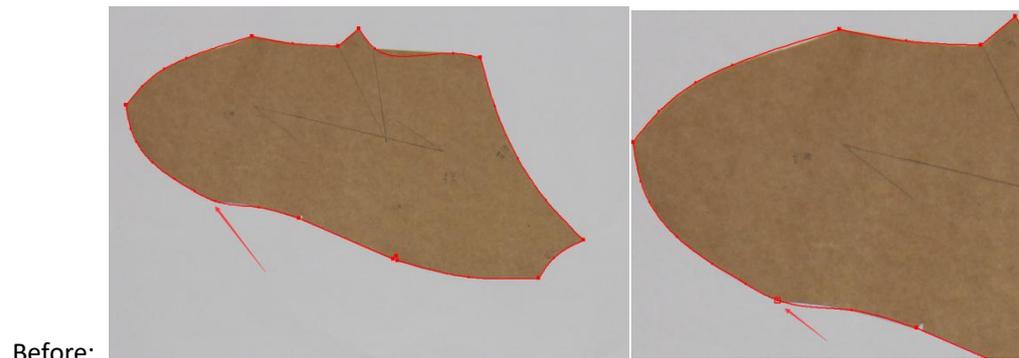
Left click on line can add point;



Put cursor on point, right click or press Delete key, can delete point;

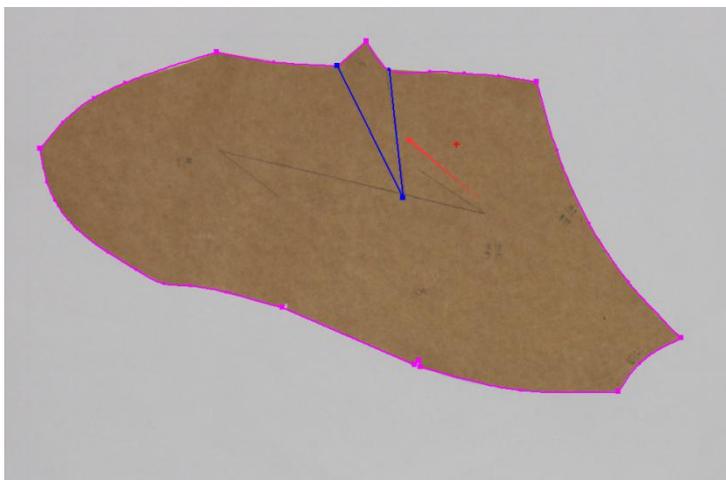


Put cursor on point and press Shift key can change point attractive ( for example curve point change as segment point);



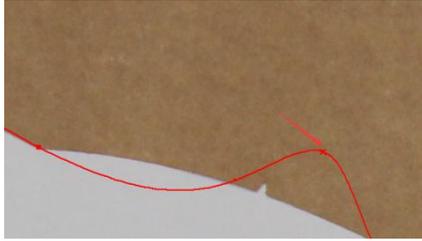
Click blank area to finish.

[Note]: creating assist line almost same as border line, expect right click would not close automatically. (assist line has different color with border line.)

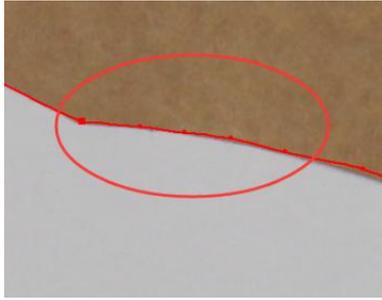




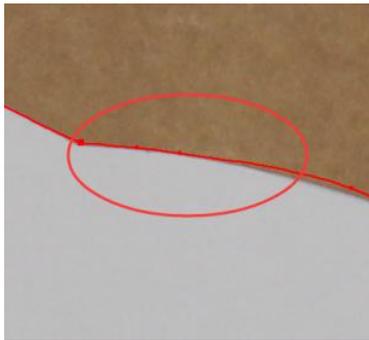
[modify] left click this icon, click modified line, and drag to modify.



Left click on line can add point;

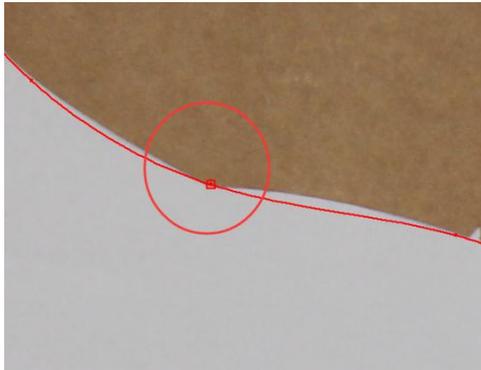


Put cursor on point, right click or press Delete key, can delete point

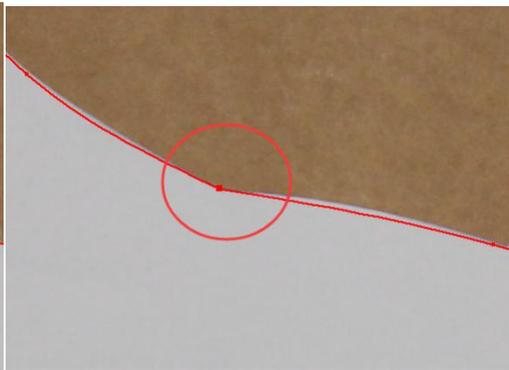


Put cursor on point, press Shift key can change point attractive ( for example, curve change as broken line)

Curve point ( pic-01); press Shift key, change as segment point (pic 02);

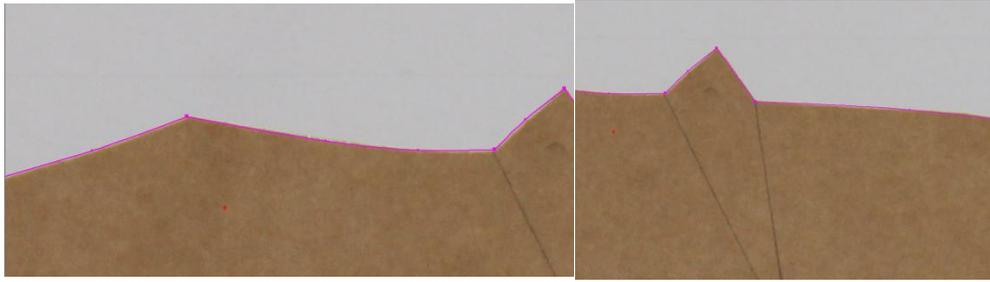


Pic. 01



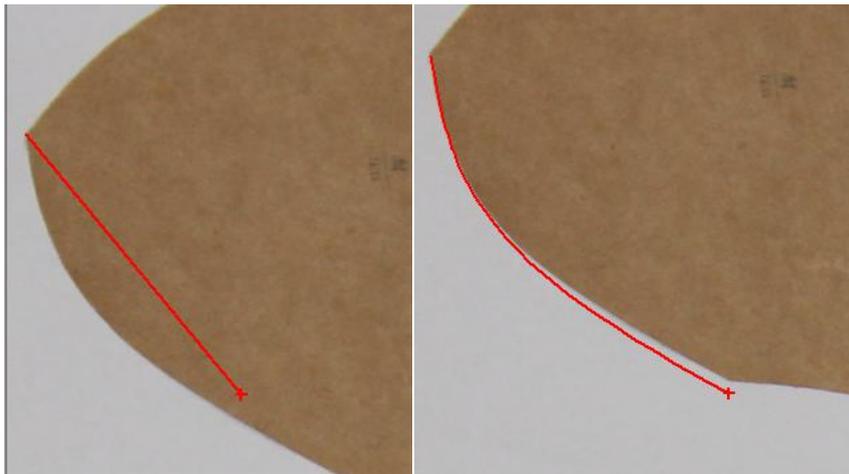
Pic. 02

When modify and in magnifying glass area, can check line with mouse wheel.

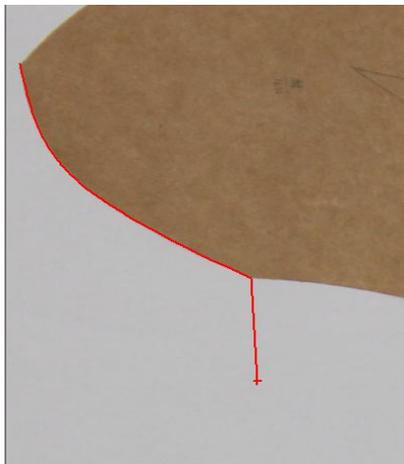


{Border} click this icon, can create border line according image.

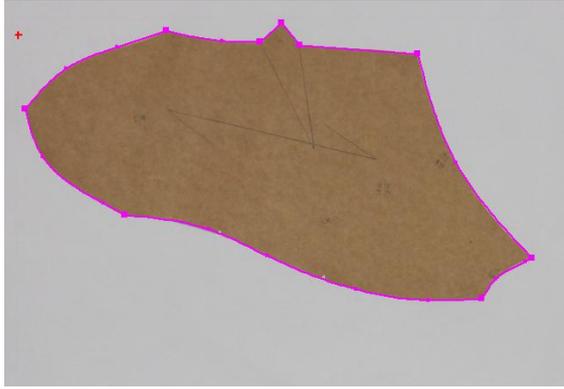
Click point, and drag, then click another point to create a curve;



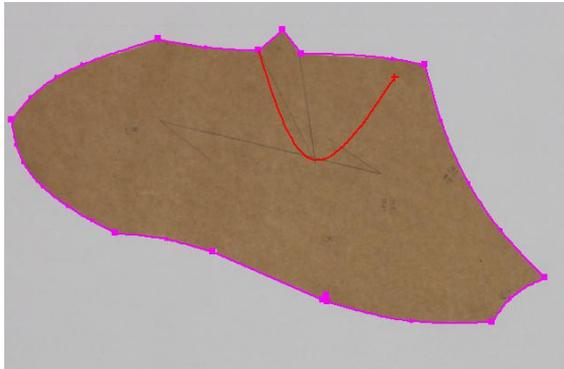
Press Shift key can create broken line ( If always press Shift key can create broken line, if press once, current curve change as broken line)



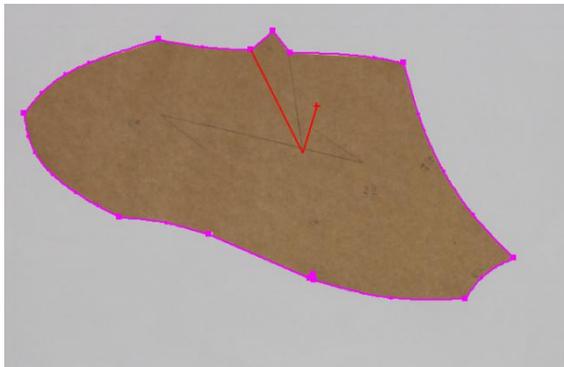
Right click to close automatically.



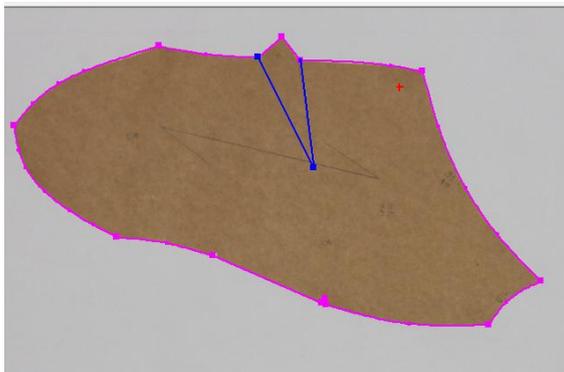
[assist line] click this icon, and create inner assist line, please just inside.  
Click one point and drag, click again then create a curve;



Press Shift key can create broken line ( If always press Shift key can create broken line, if press once, current curve change as broken line)



Right click to finish, cannot close.

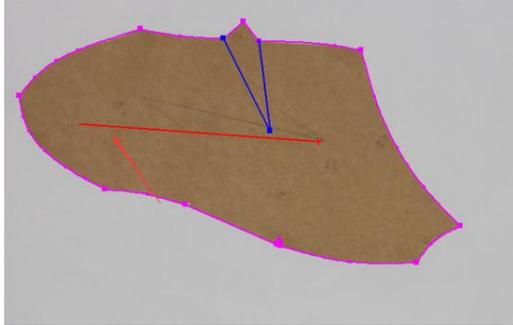




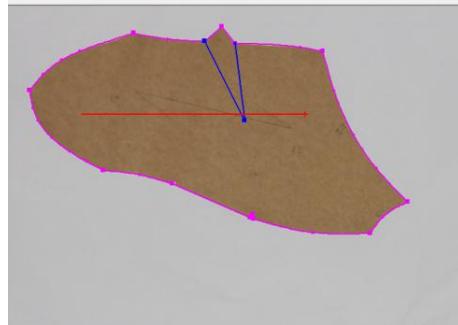
[grainline] click this icon, create grainline; click and drag grainline, then click can finish.

If press Shift key can switch horizontal, vertical or 45 degree;

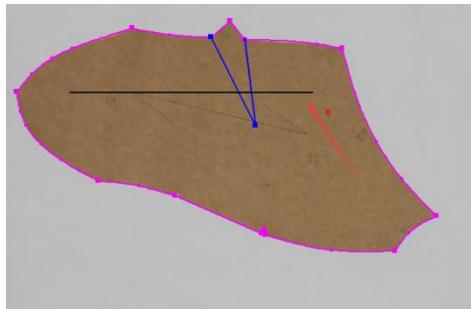
Please (pic. 01), (pic.02) and (pic.03)



Pic.01--not horizontal



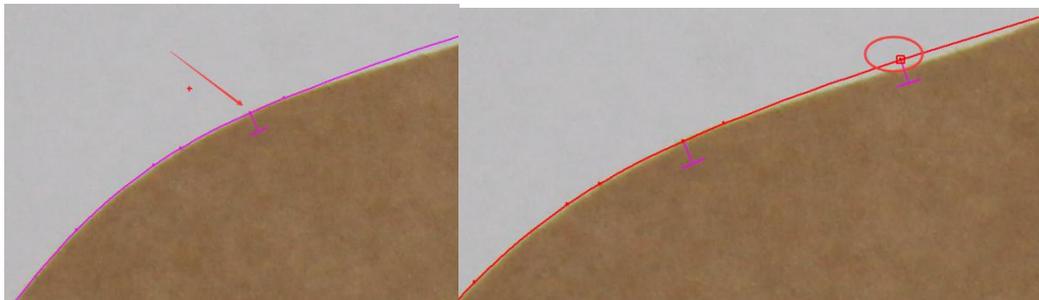
Pic.02-after press Shift key, horizontal



Pic.03-drad and click to finish

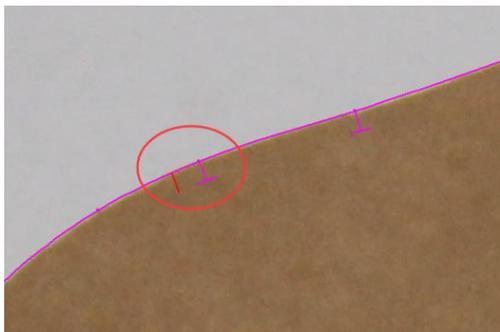


[notch] click this icon, add notch on pattern border ( can add notch at any position);

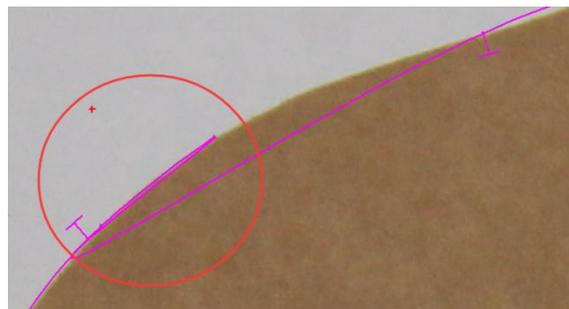


Click this icon and click on line, add notch, do not release can drag notch. (when moving notch, cross other point, lines would overlap, so need to add notch at new position), please check

Pic.01 and Pic.02



Pic.01-not across other point

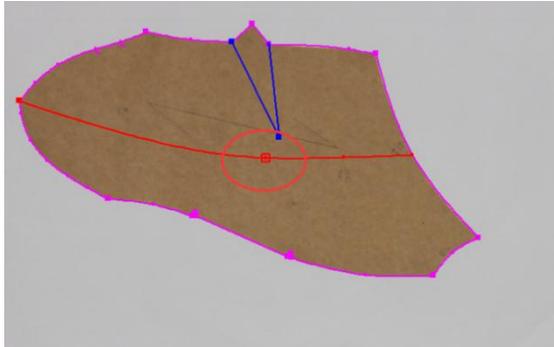


Pic.02-across other point

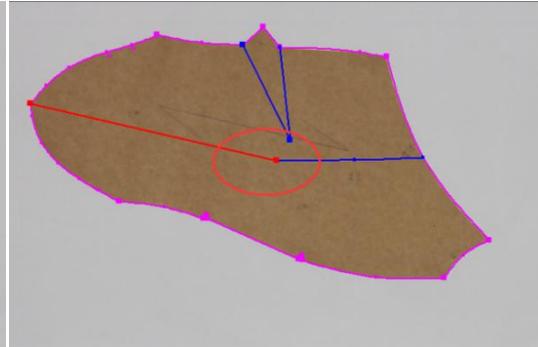


[snip curve] click this icon, select line ( not work on close curve ), click point and finish.

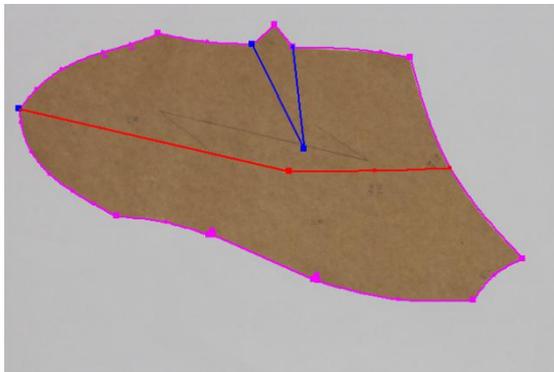
Please check pic.01, pic. 02, pic. 03 and pic. 04



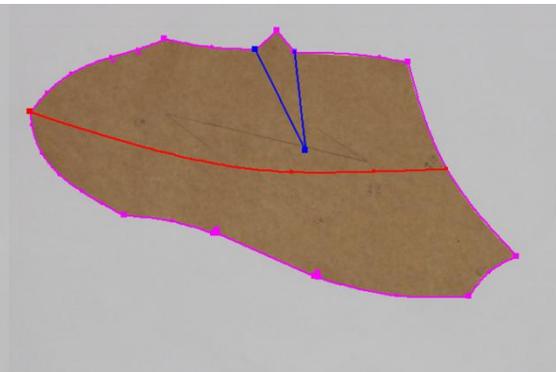
Pic. 01-select the line and click point



Pic-02-finish



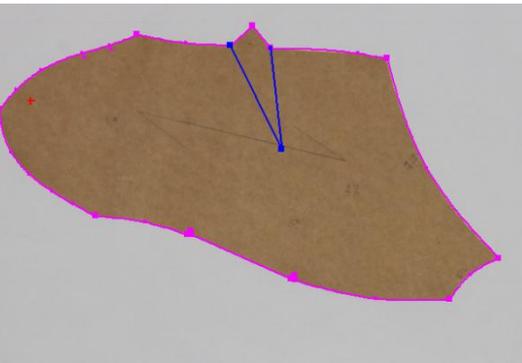
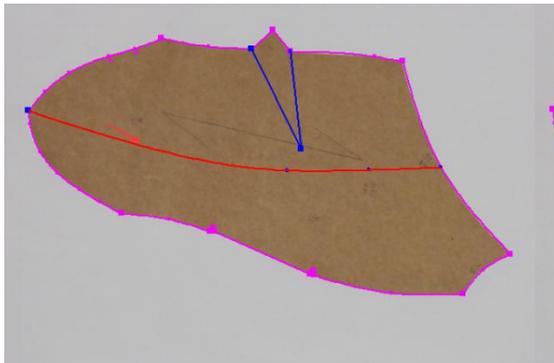
Pic.03-click line need joint



Pic-04-finish



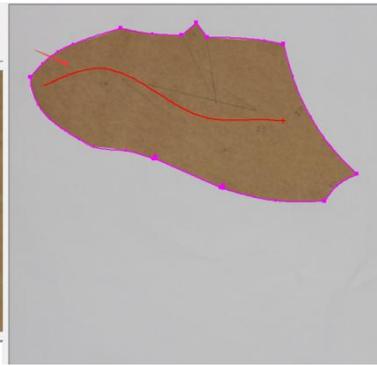
[eraser] click this icon, then click line;



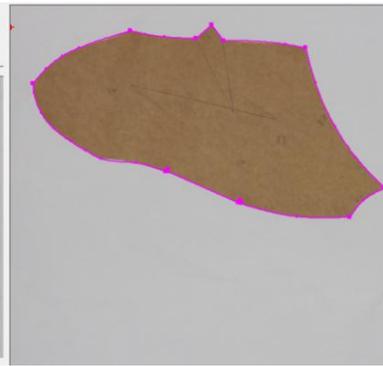
[undo] just work on these three icon.



Please check pic.01, pic. 02, pic. 03 and pic.04



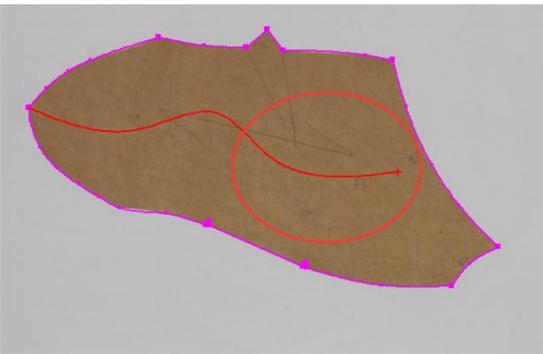
Pic.01-creating line



Pic.02-while creating curve, click icon to undo;



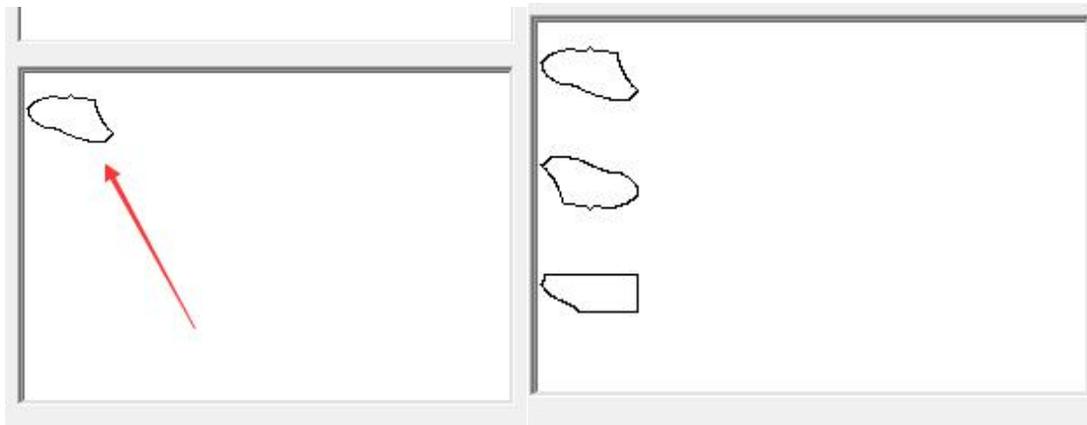
Pic.03-before undo



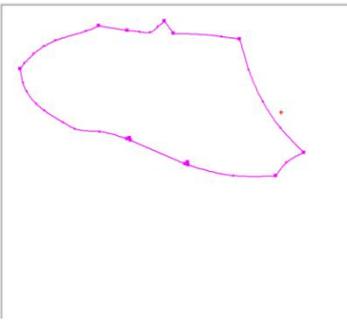
Pic.04-After undo



[finish recognition] click this icon, patterns in pattern placing area, then start recognize another one or finish.



[hide photo] select can hide photo, if have finished design line, can show on work area. Please check pic. 01 and pic. 02.



Pic. 01- have finished design line

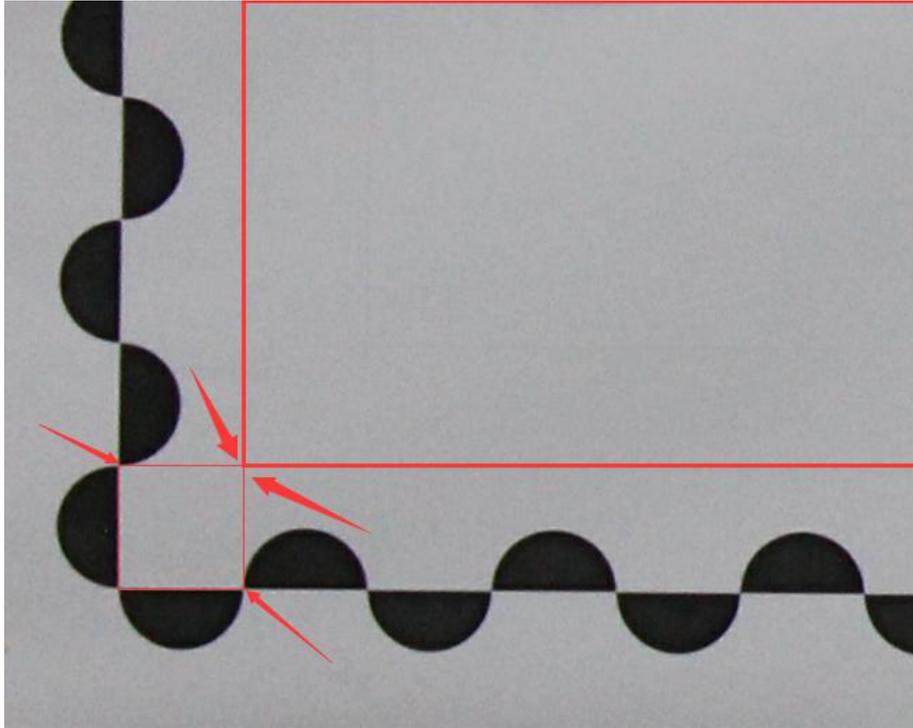
Pic. 02- have no finished design line

Note: while adjust design line, add notch, etc., can press S key, operate on magnifying glass area, press ESC key can go back to work area;



Note:

1. There should be a gap between patterns and semicircle, can create an rectangle, please check below picture.

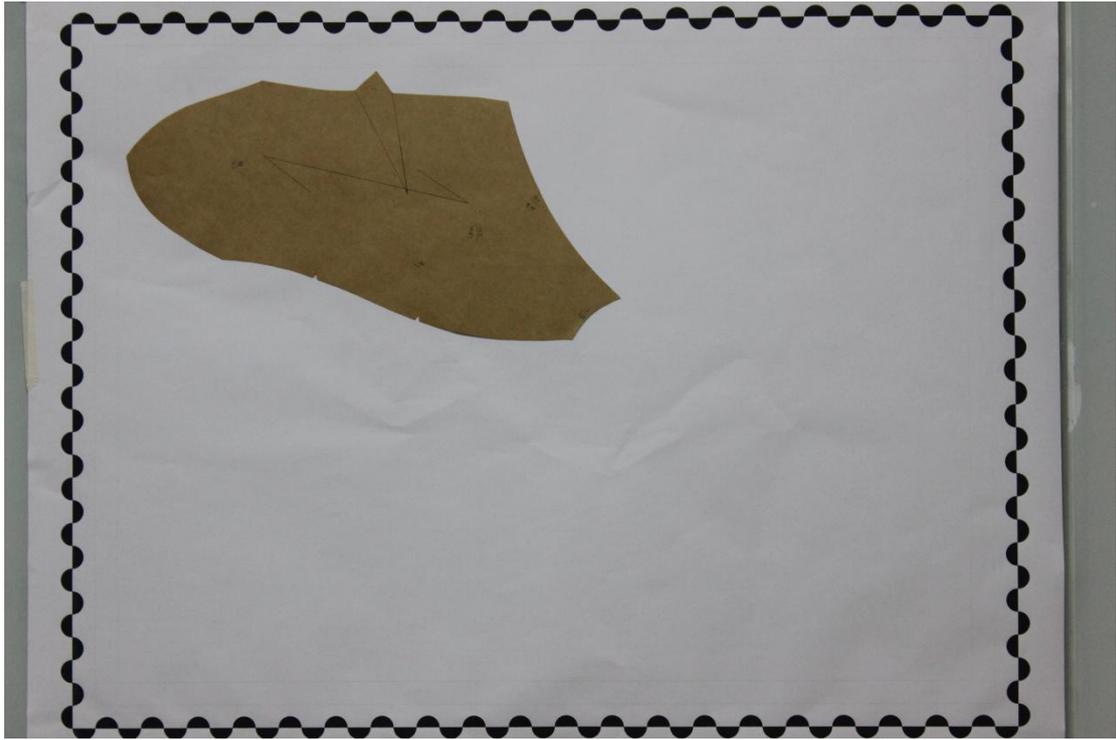


2. Photo can be slant, frame and patterns should be all pictured in, paper must be smooth;
3. Uniform light distribution, no other unknown objects in the mirror

[Photograph Requirement]:

1. Picture should be clear when 1:1 view, suggest Canon D700 with 18 million pixels;
2. Patterns must be on frame;
3. Patterns should have different color with frame;
4. Light should balance, no shadow;
5. Frame should almost fill the entire screen.

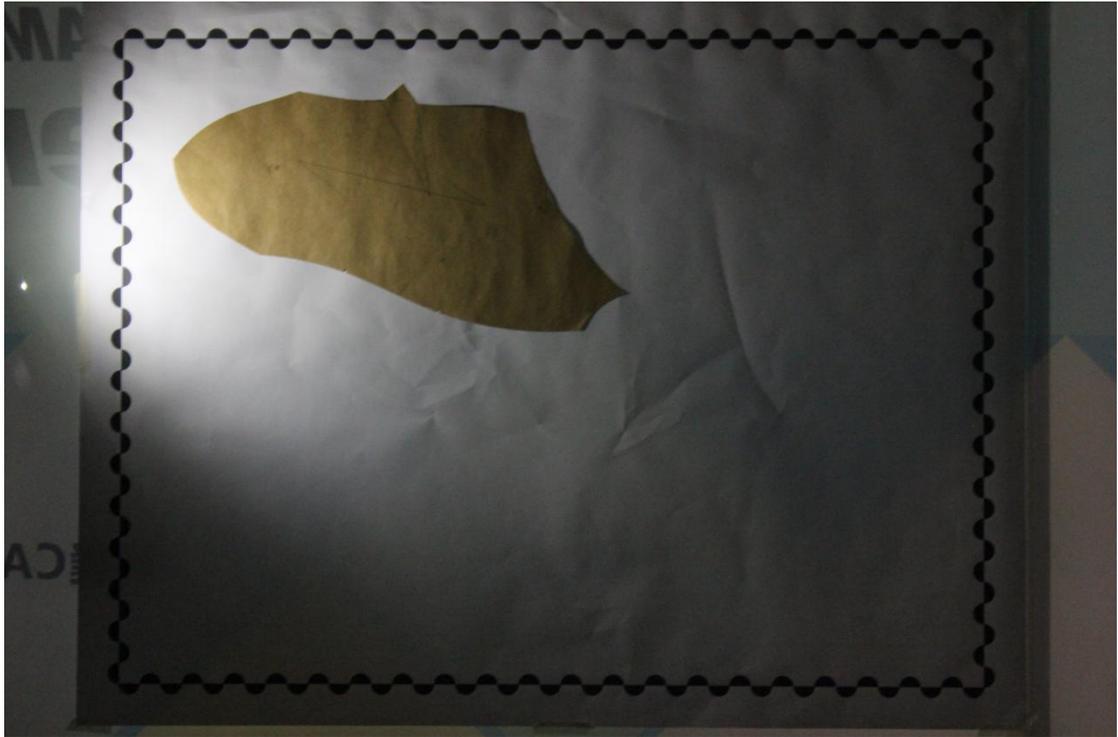
Check below pictures as reference (bad example):



1. Not view all semicircle, not good;



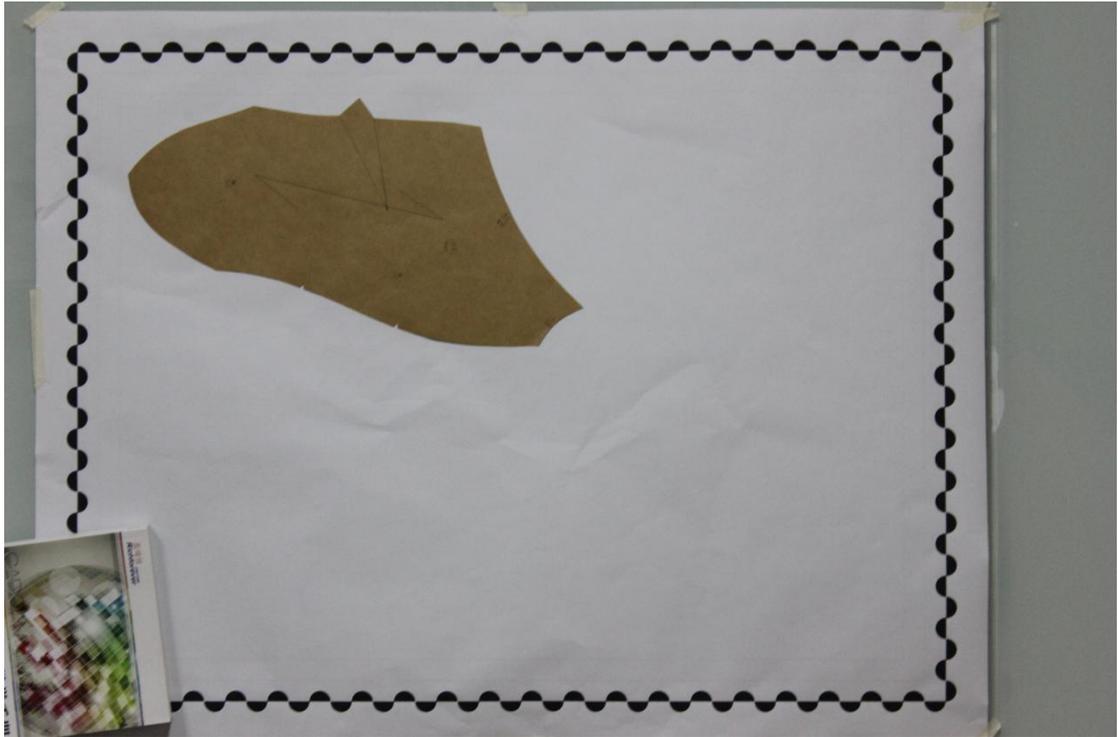
2. Frame slant, not good;



3. Bad light, not good;



4. Blurred photo, not good;



5. Has sundry, not good;

Check below picture as reference ( good example):

