



artisJet

Direct to Substrate Printing Solutions

artisJet 2100U Phone Case Print Training Course

artisJet Customer Care
February 2017

We are Taking Care of All about Your Print Experience

artisJet 2100U Phone Case Print Training

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Preparation

Make sure the printer can get READY mode properly and the nozzle check result is good.

Prepare Ruler and phone cases.



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Preparation

Set the Printing Size of the Phone Case.

Measure the phone case size. (69.13mm*139.54mm)



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Preparation

Set the Printing Size of the Phone Case.

Image processing via PhotoShop Software. Crop the image by Photoshop to make sure it has the same ratio with the phone case.



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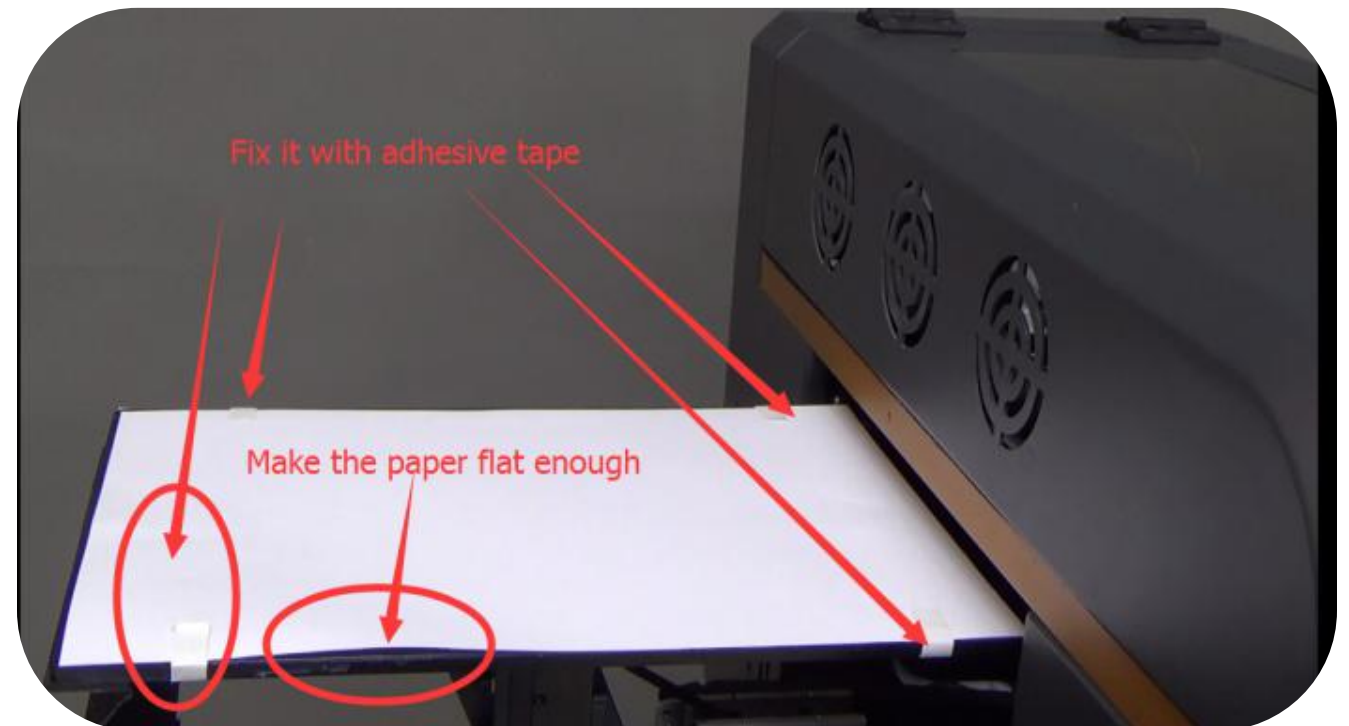
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Single Phone Case Printing

Phone case placing on the flatbed --- Solution 1



Press FORE button and moves.



Place white paper on Mate Table

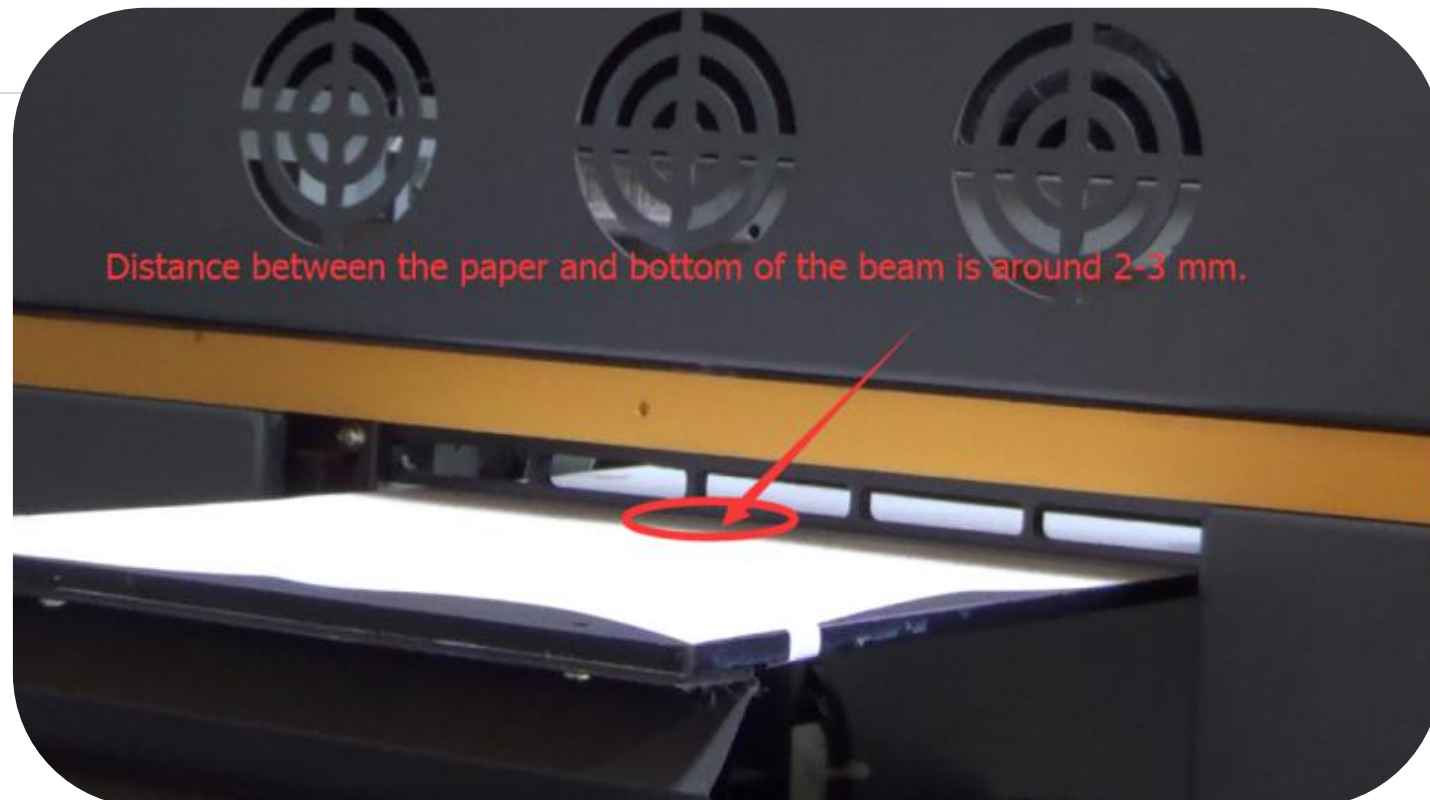
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Single Phone Case Printing

Phone case placing on the flatbed --- Solution 1

Press the Back button and moves back the flatbed little bit. Then adjust the table height by press UP or Down button and make sure the distance between the material and the print beam bottom is around 2-3mm. Then press ENTER button to move back the table completely.



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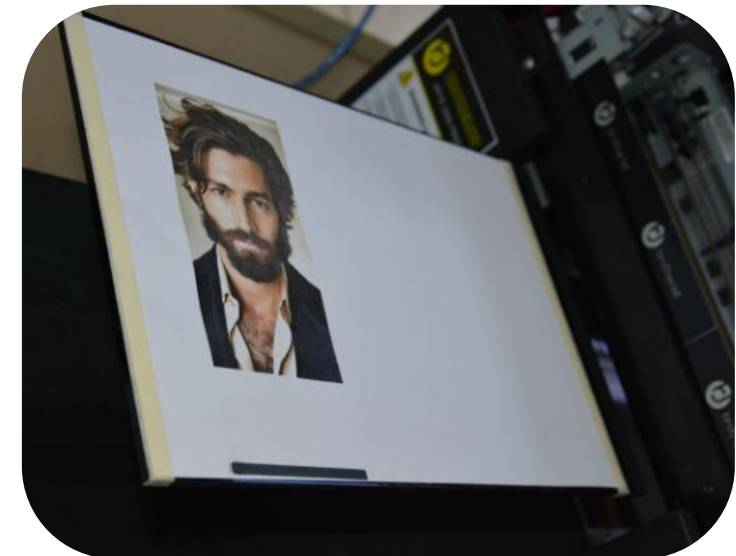
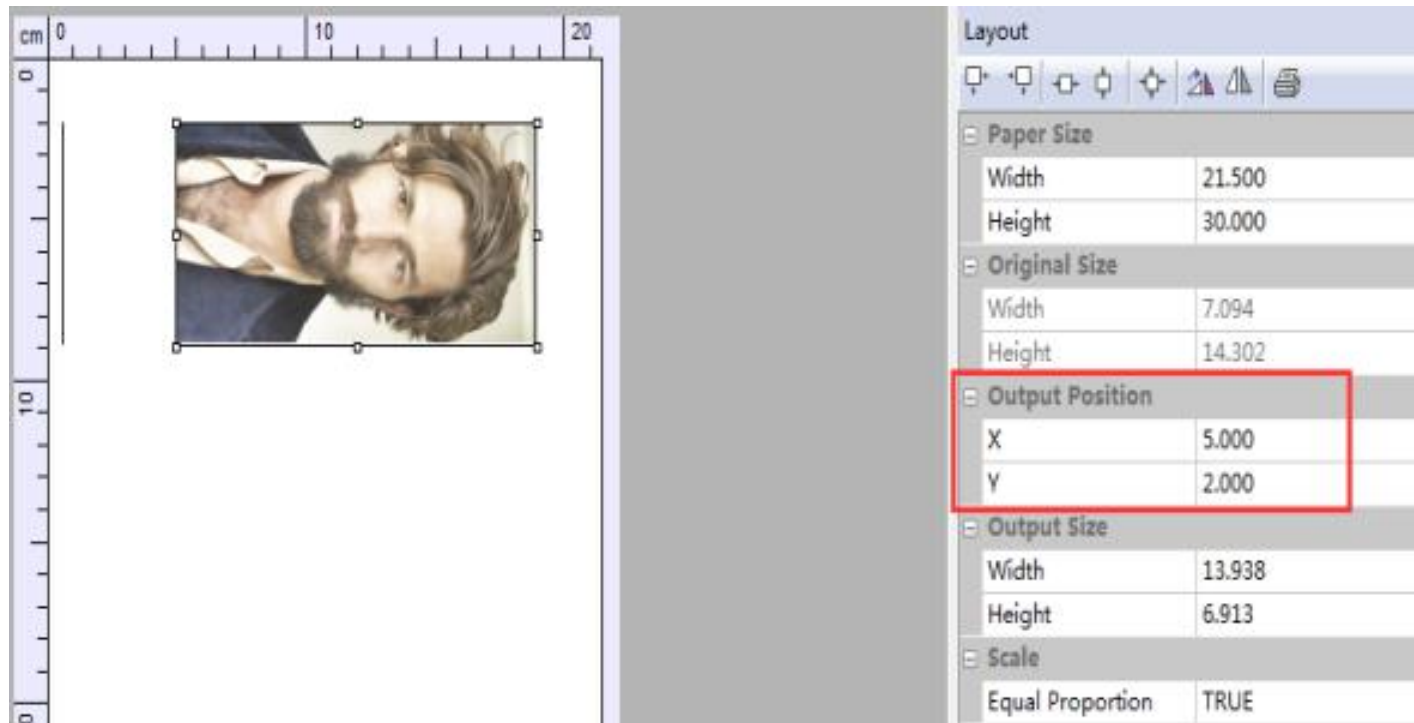
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Single Phone Case Printing

Phone case placing on the flatbed --- Solution 1

Print the picture on the flatbed and place the phone case above the printed image.



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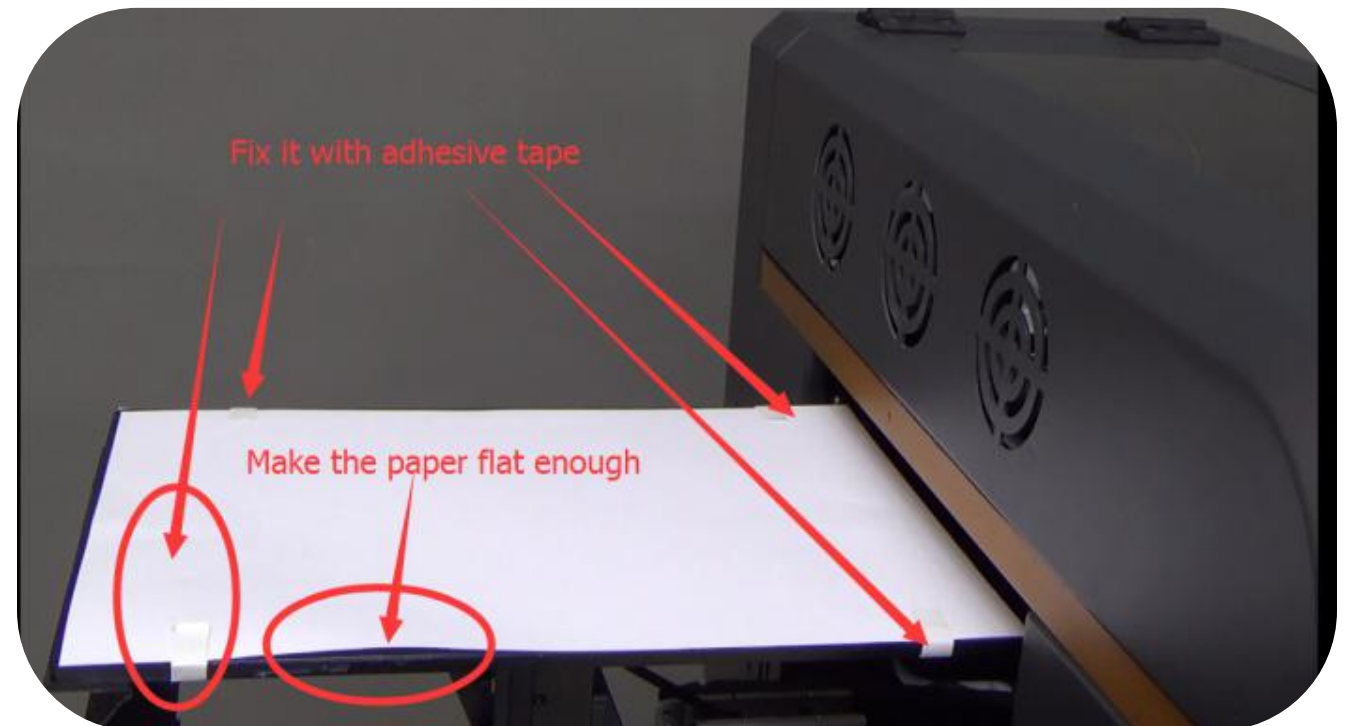
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Single Phone Case Printing

Phone case placing on the flatbed --- Solution 2



Press FORE button and moves.



Place adhesive Mate Table on Printer Flatbed

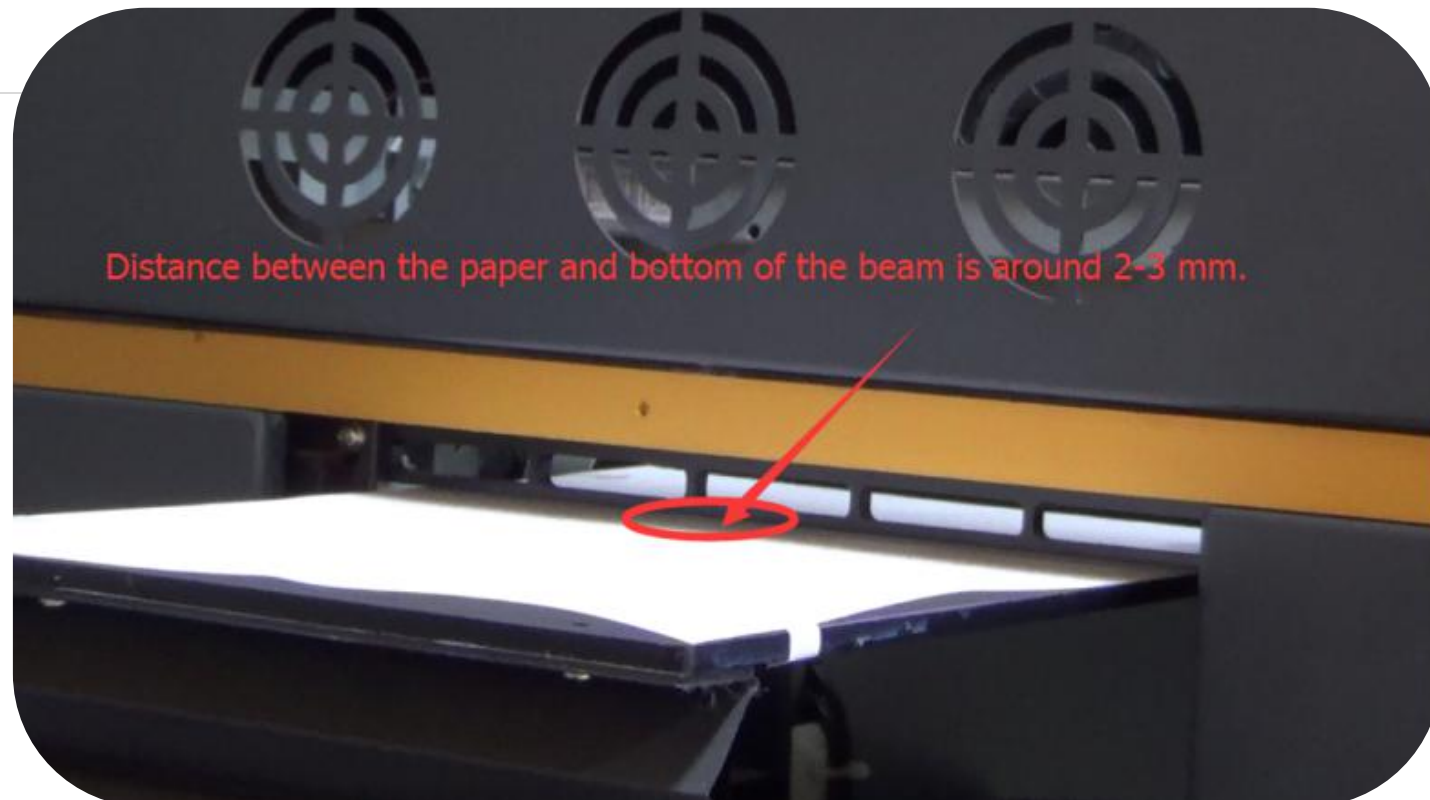
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Single Phone Case Printing

Phone case placing on the flatbed --- Solution 2

Press the Back button and moves back the flatbed little bit. Then adjust the table height by press UP or Down button and make sure the distance between the material and the print beam bottom is around 2-3mm. Then press ENTER button to move back the table completely.



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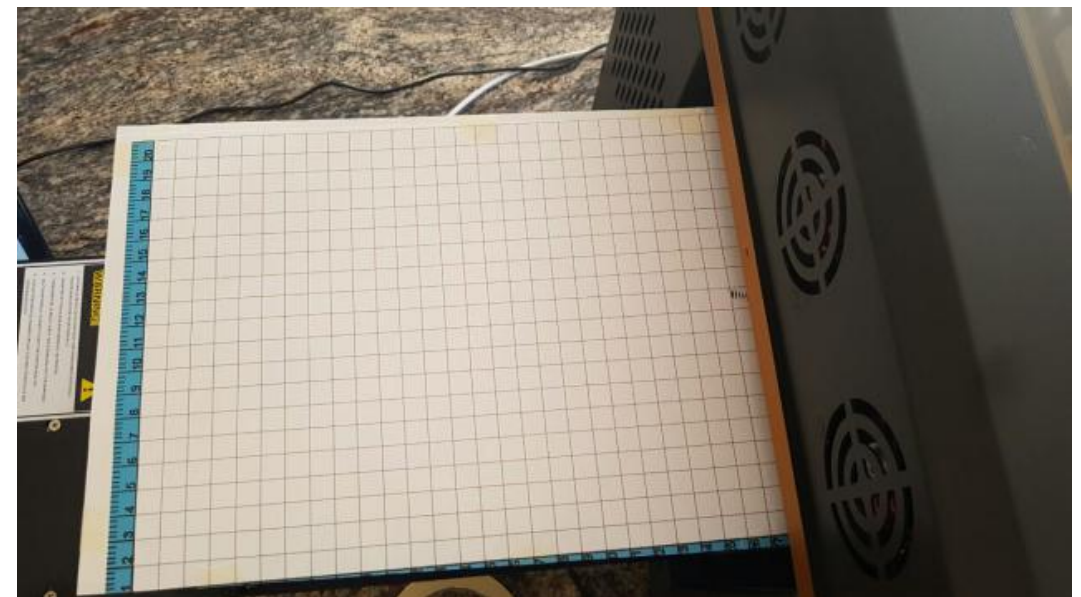
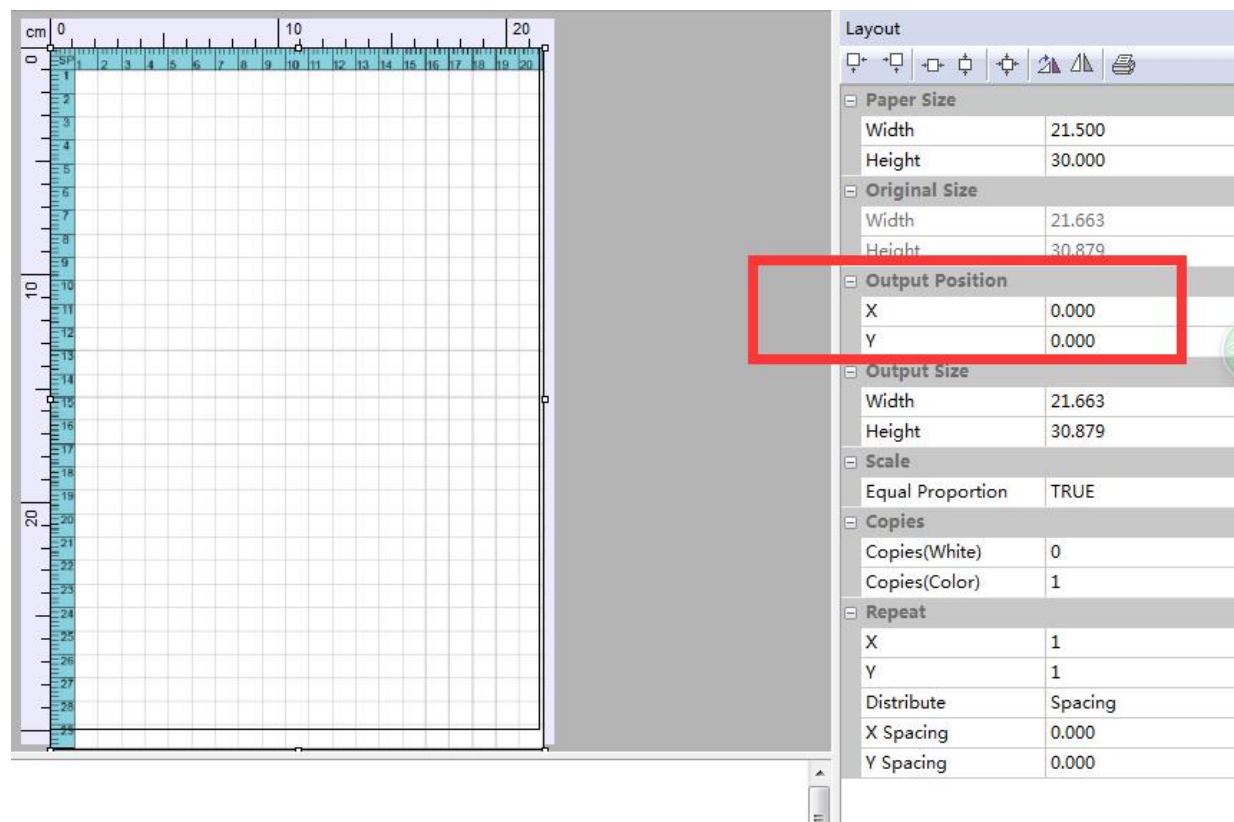
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Single Phone Case Printing

Phone case placing on the flatbed --- Solution 2

Import the "XY Start Point image"(DVD Disk \ artisJet artis 2100U Printer \ Software ---> SS-TF-U2000-SF-0005 XY Starting Point.jpg) into the software, adjust the settings and print it on the adhesive Mate Table.



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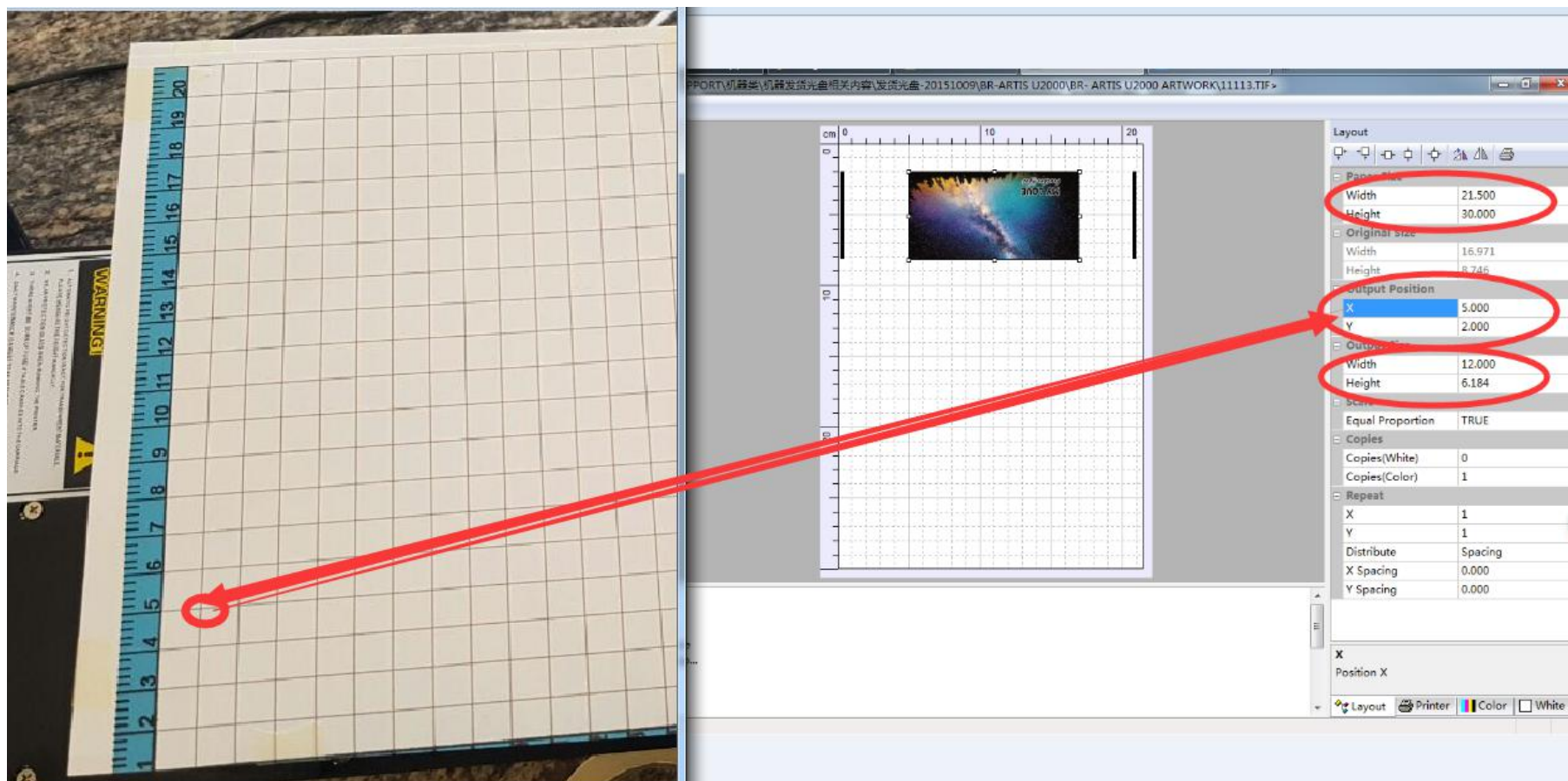
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Single Phone Case Printing

Phone case placing on the flatbed --- Solution 2

Place the phone case above the printed XY Starting Point Image as per the Output Position settings in the RIP Software.



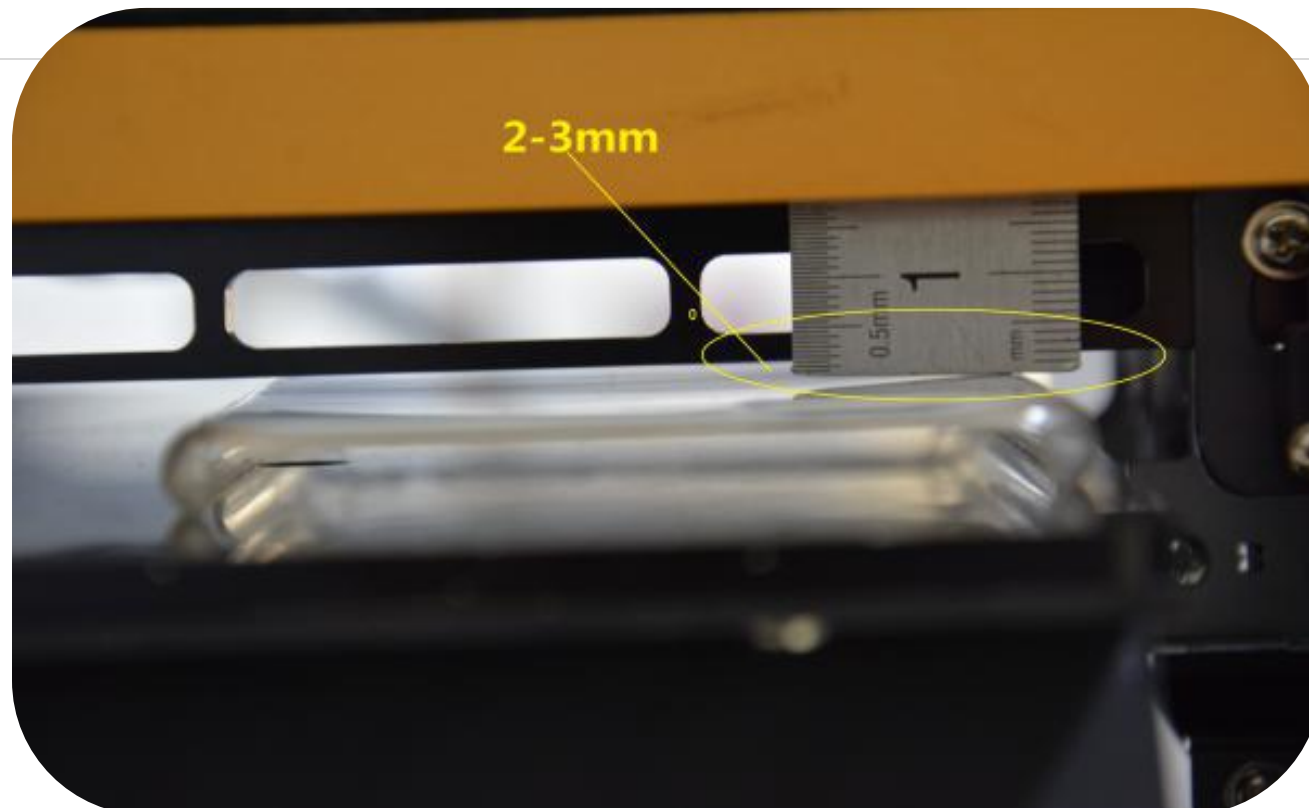
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Single Phone Case Printing

Flatbed height adjustment

Press the Back button and moves back the flatbed little bit. Then adjust the table height by press UP or Down button and make sure the distance between the material and the print beam bottom is around 2-3mm. Then press ENTER button to move back the table completely.



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Single Phone Case Printing

Phone case printing --- White or light color phone case printing

Just make the Color Printing (set Copies for White as 0, Copies for Color as 1). The

recommend RIP Software settings - Colors Ink Limit: 45% , Resolution: 1440*1440 DPI.



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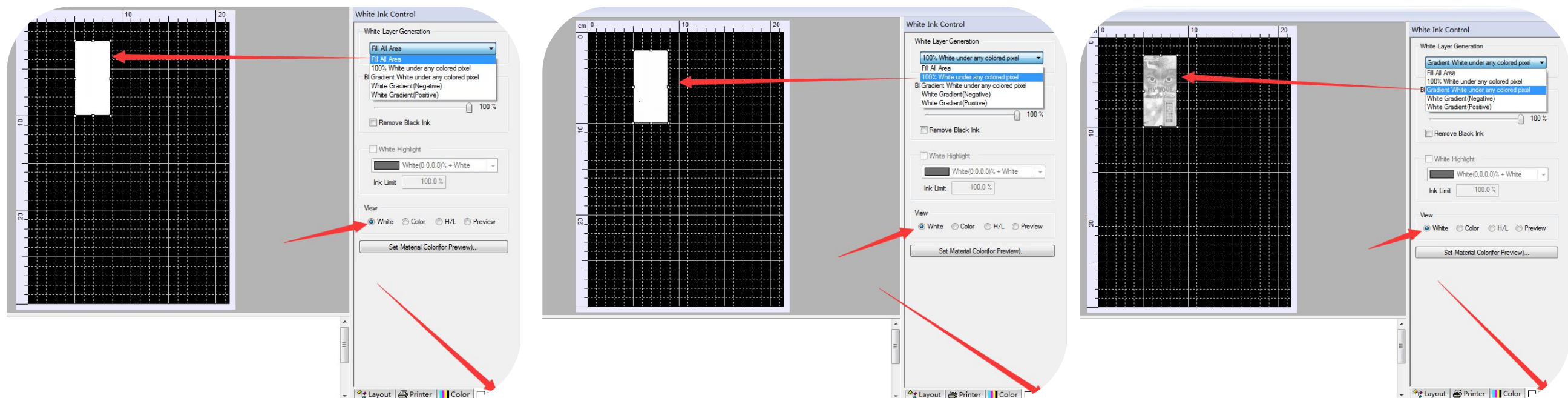
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Single Phone Case Printing

Phone case printing --- Black or dark color phone case printing - (Normal Printing Result)

White Layer Printing. There are five different White Layer Generation options, we can select one of them according to the White Print Result Preview.



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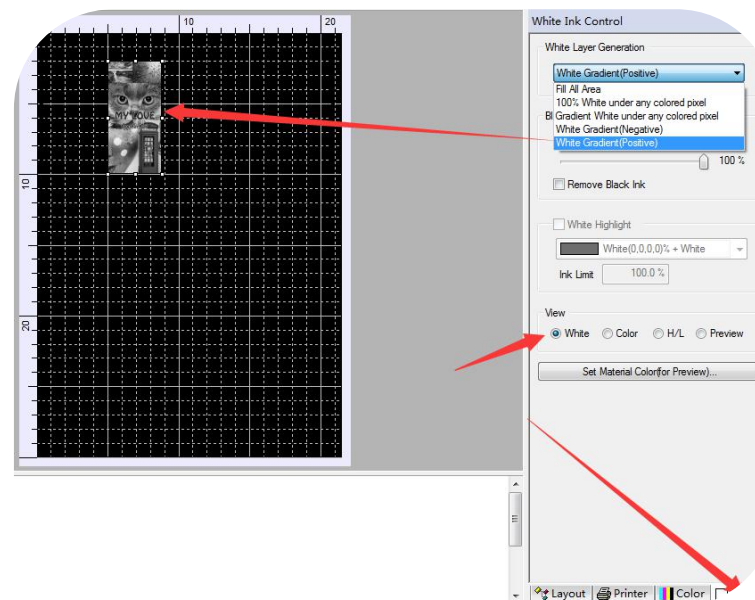
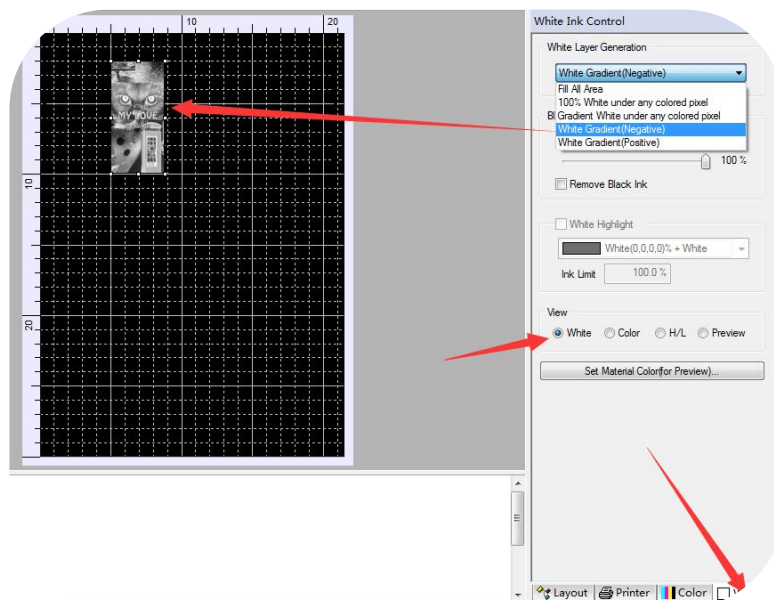
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Single Phone Case Printing

Phone case printing --- Black or dark color phone case printing - (Normal Printing Result)

White Layer Printing. There are five different White Layer Generation options, we can select one of them according to the White Print Result Preview.



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Single Phone Case Printing

Phone case printing --- Black or dark color phone case printing - (Normal Printing Result)

Special Issues on Black Case Printing:

Select Proper Image: The edges of image and black case should be mixed well and associative.

White Layer Printing: The printed color might be darker when the white layer too less; While the white layer too much, there will be apparent lines.

White Layer Generations: According to different images, there are Fill All Area, White Under color pixel, Negative and Positive for the options.

For special images which do not available for the default White Layer Generation, we can processing these images via Photo Shop to get the ideal result.

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Single Phone Case Printing

Phone case printing --- Black or dark color phone case printing - (Normal Printing Result)

Color Ink Printing. The recommend RIP Software settings - Colors Ink Limit: 35% ,

Resolution: 1440*1440 DPI.



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Single Phone Case Printing

Phone case printing --- Black or dark color phone case printing - (3D Printing Result)

Original Image (artwork) and phone case preparation.



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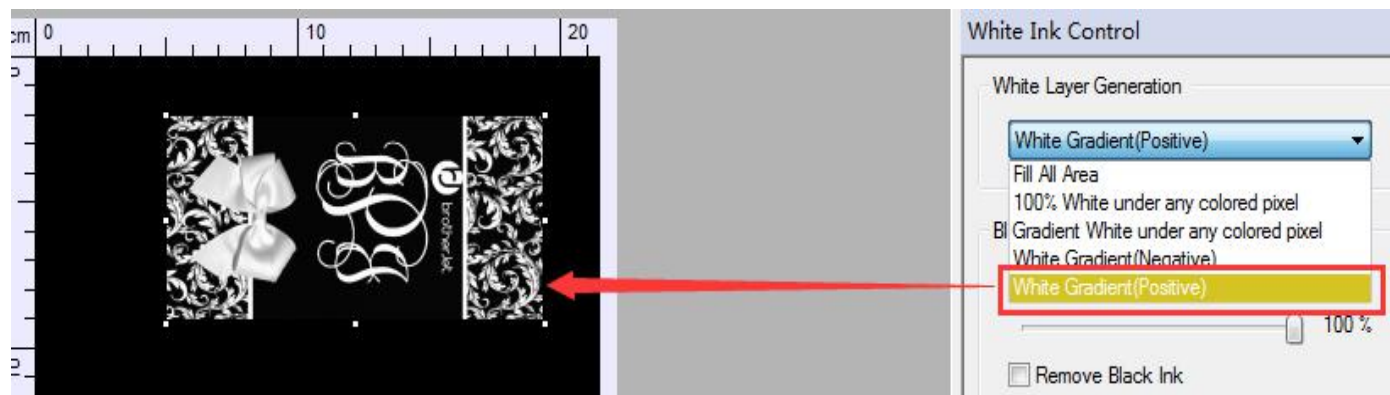
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Single Phone Case Printing

Phone case printing --- Black or dark color phone case printing - (3D Printing Result)

Select Proper White Layer Generation and make White Printing for several times. Then printing the Color Inks on the white inks.



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Single Phone Case Printing

Phone case printing --- Black or dark color phone case printing - (3D Printing Result)

Special Issues on 3D Effect Printing:

- 1. The 3D Effect is accomplished by printing white inks.*
- 2. There need more white inks aiming to get much more 3D Effect result. We can reach this kind of result by printing white ink for several times.*
- 3. The different 3D Effect based on different images.*

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Single Phone Case Printing

Phone case printing --- Transparent phone case printing - White Printing and Hollow-out

Original Image (artwork) as following image being printed on transparent case. The blank area should be hollow-out and light color cat should print white.



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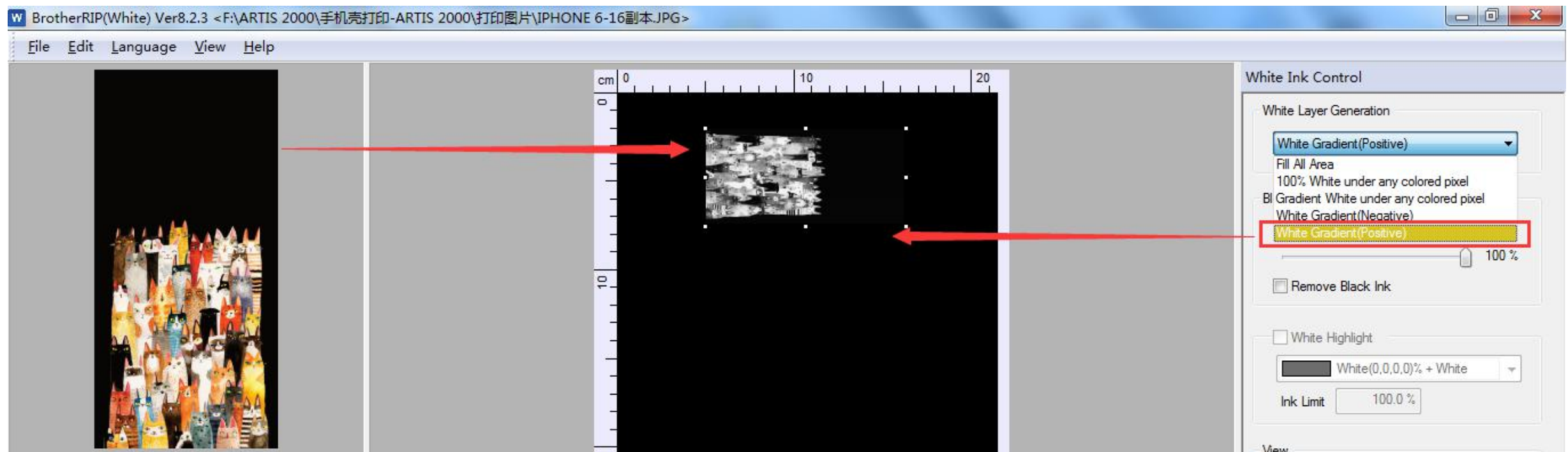
Single Phone Case Printing

Phone case printing --- Transparent phone case printing - White Printing and Hollow-out

White Layer Printing. We need to process a new image as black background via Photo

Shop with same size which use for printing white due to none of the 5 options of the White

Layer Generations is available.



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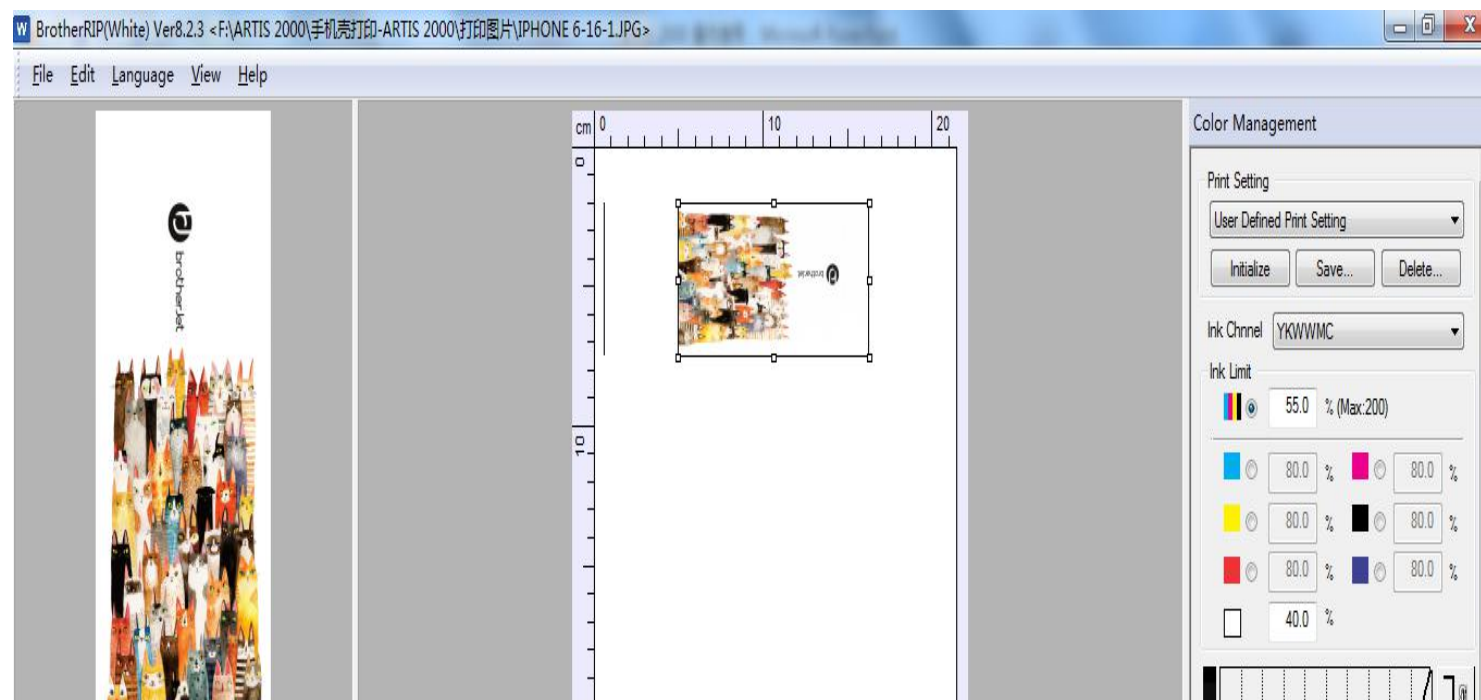
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Single Phone Case Printing

Phone case printing --- Transparent phone case printing - White Printing and Hollow-out

Color Printing.



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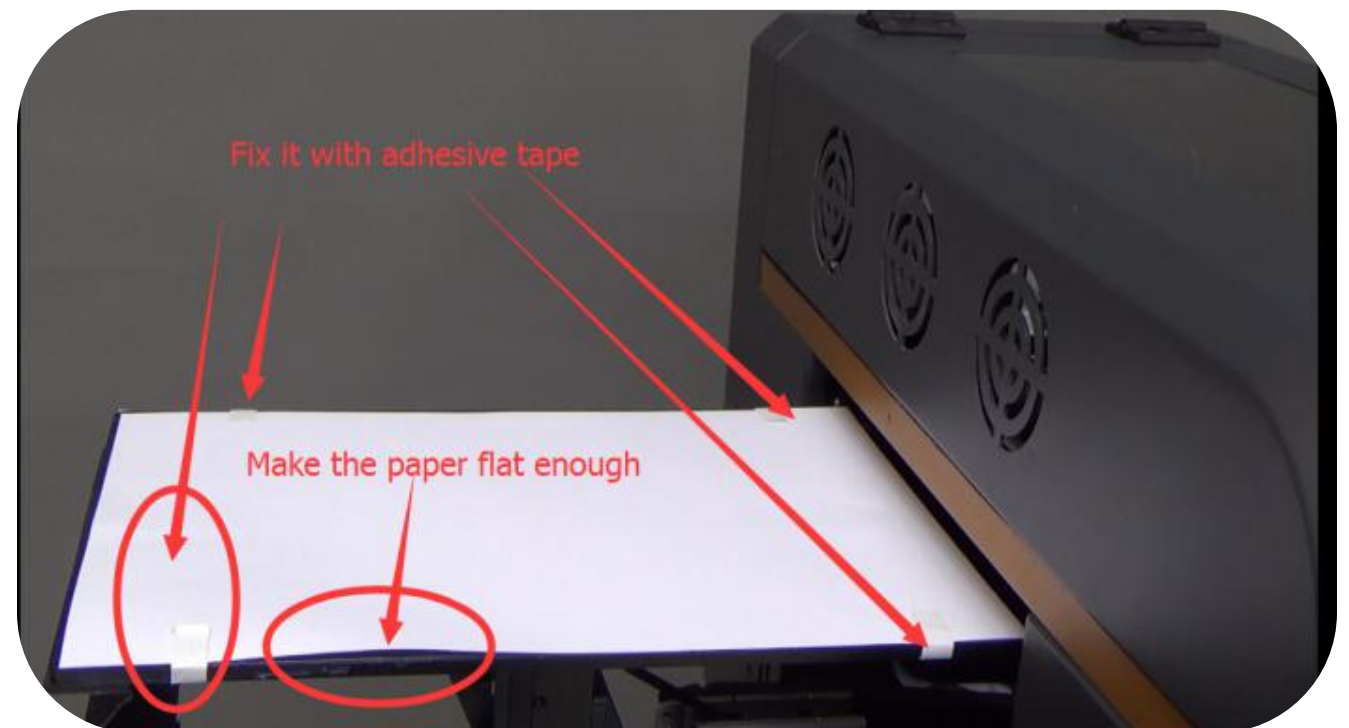
Multiple Cases Printing

Mainly focusing on Phone Case placing due to the printing method is same as Single

Sloution 1



Press FORE button and moves.



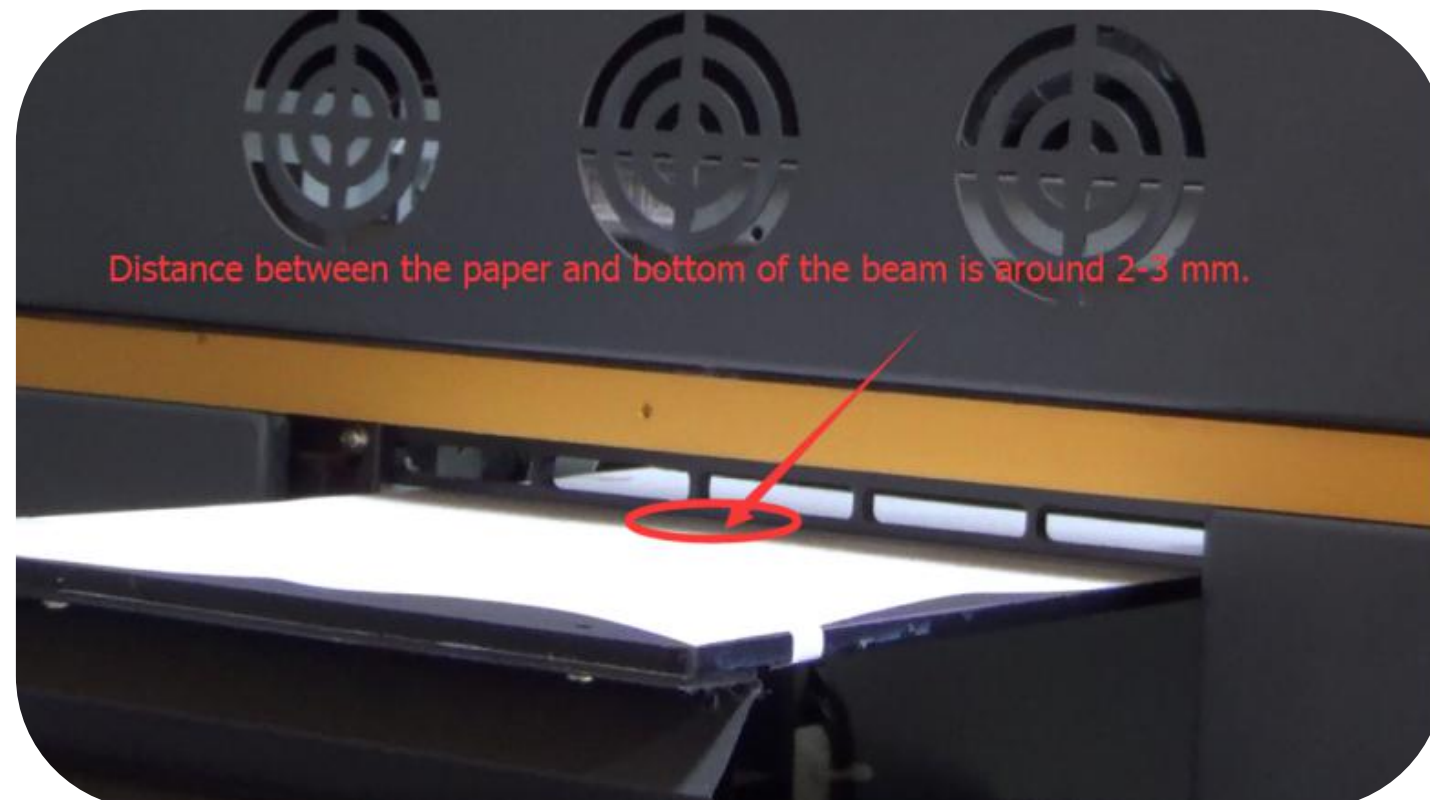
Place white paper on Mate Table

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Multiple Cases Printing

Press the Back button and moves back the flatbed little bit. Then adjust the table height by press UP or Down button and make sure the distance between the material and the print beam bottom is around 2-3mm. Then press ENTER button to move back the table completely.



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Multiple Cases Printing

Print the picture on the flatbed and place the phone cases above the printed images.

The screenshot displays the artisJet software interface. On the left, a preview of the phone case design is shown, featuring a cat's face, the text "MY LOVE", and a red phone booth. Below the preview, the "Image Information" panel lists the following details:

- Image Size: 571 x 1200 pixel
- Resolution: 24 x 24 DPI
- Mode: RGB
- File Size: 4.0 MB
- Original Size: 61.7 x 129.6 cm

The central workspace shows a grid with a ruler (0 to 20 cm) and three instances of the phone case design template arranged vertically. On the right, the "Layout" panel contains various settings, with several options highlighted by red boxes:

- Output Position:** X: 5.000, Y: 2.000
- Output Size:** Width: 13.950, Height: 6.638
- Scale:** Equal Proportion: TRUE
- Copies:** Copies(White): 0, Copies(Color): 1
- Repeat:** X: 1, Y: 3
- Distribute:** Spacing
- X Spacing:** 0.000
- Y Spacing:** 2.000

At the bottom of the "Layout" panel, there are tabs for "Layout", "Printer", "Color", and "White". A small text box in the bottom left corner reads: "g:\after-sale service & support\机器类\机器发货光盘相关内容\发货光盘".

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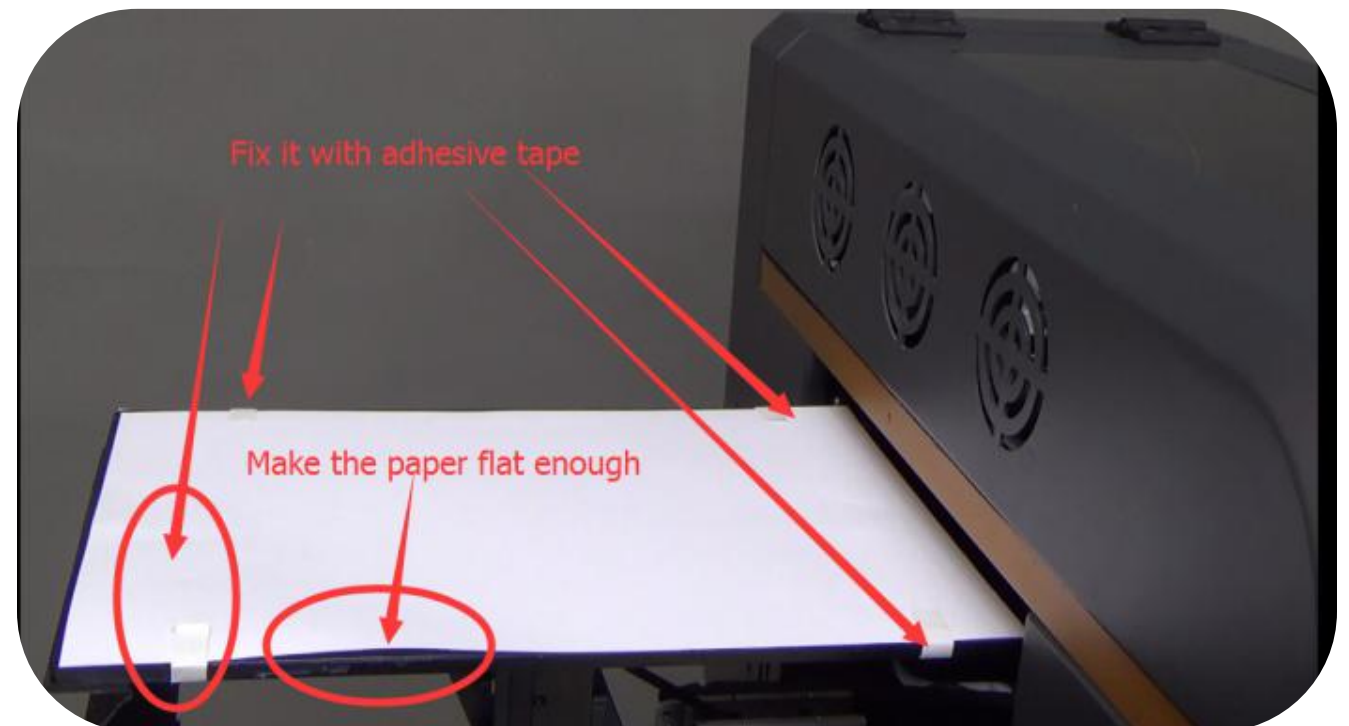
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Multiple Cases Printing

Solution 2



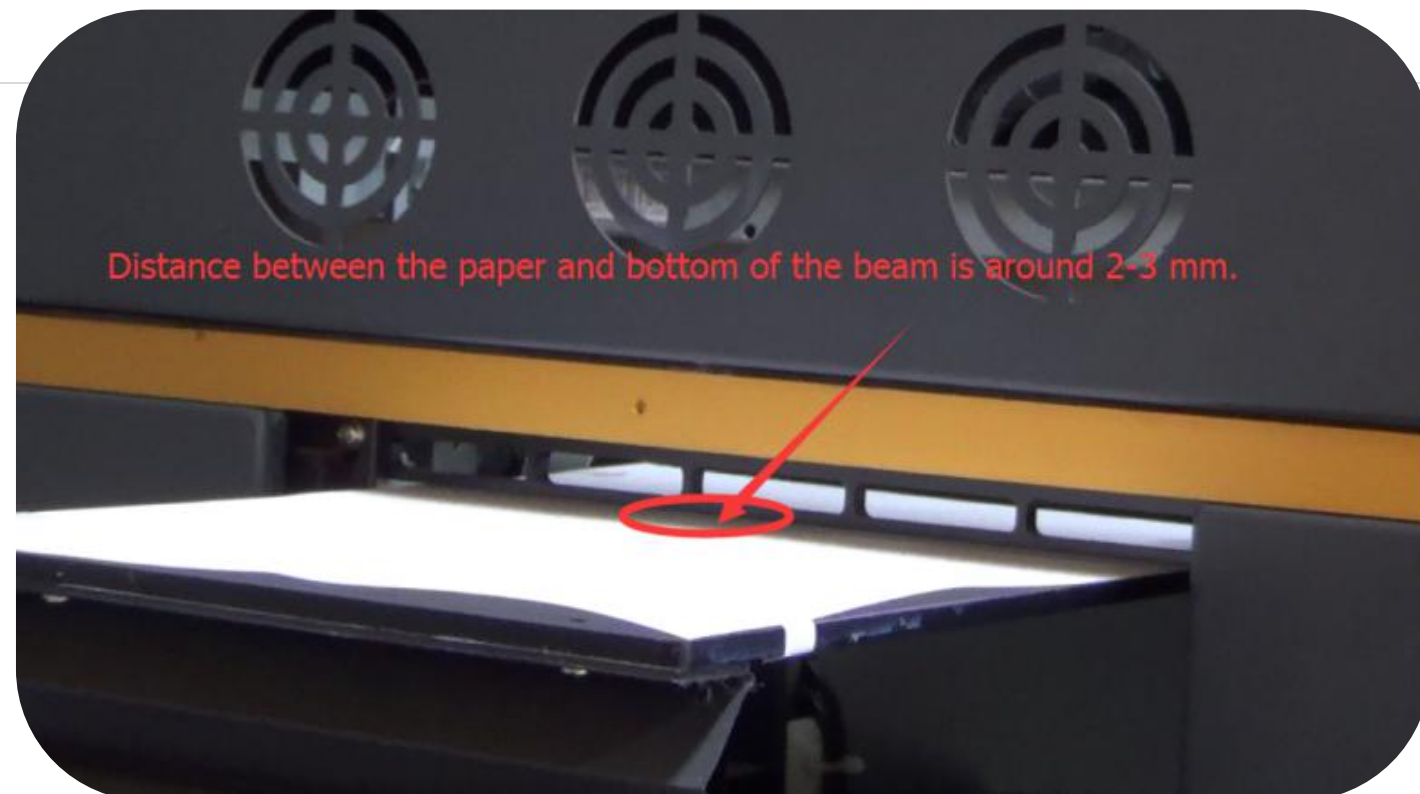
Press FORE button and moves.



Place white paper on Mate Table

Solution 2

Press the Back button and moves back the flatbed little bit. Then adjust the table height by press UP or Down button and make sure the distance between the material and the print beam bottom is around 2-3mm. Then press ENTER button to move back the table completely.



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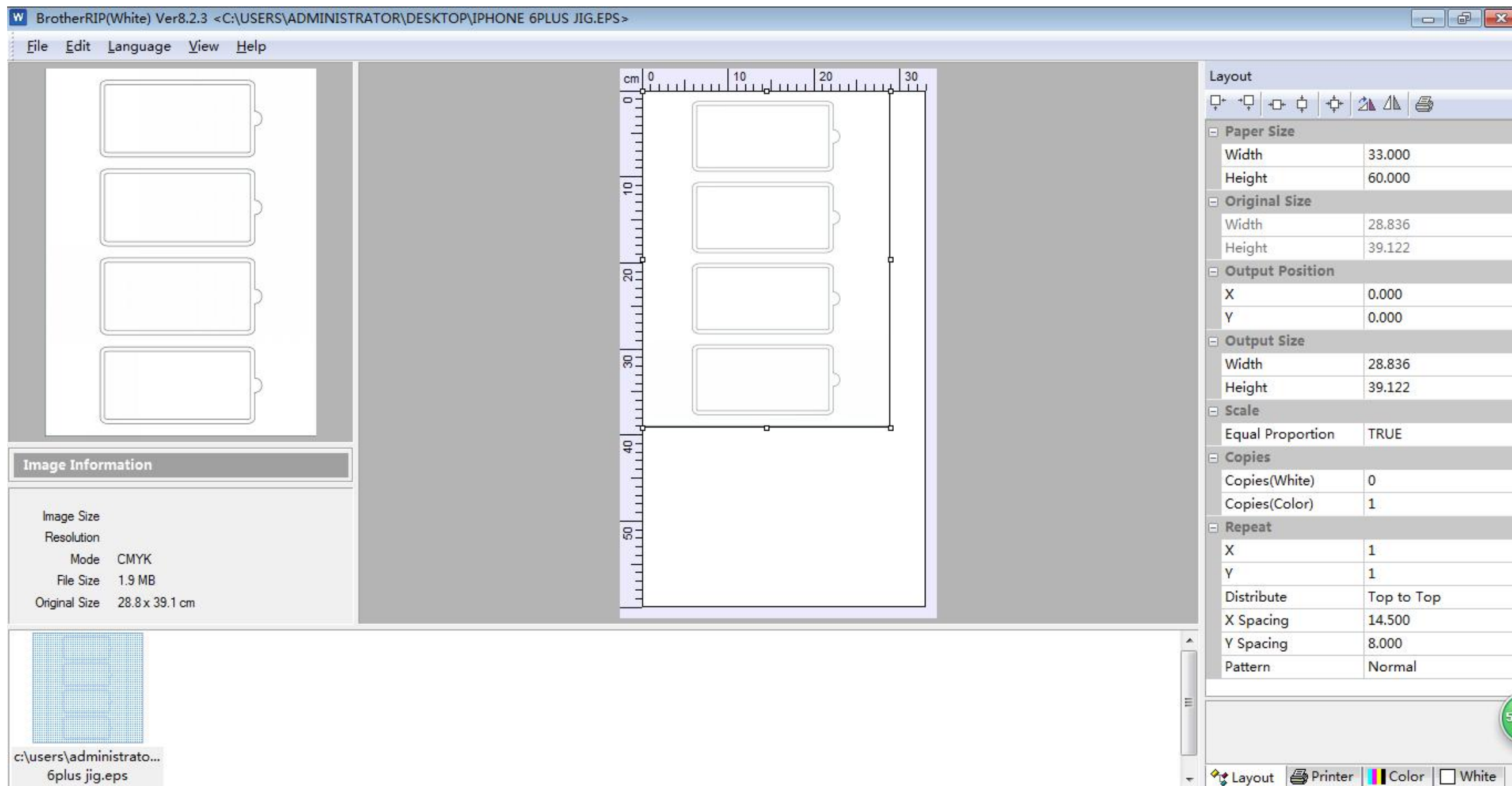


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Multiple Cases Printing

Print the JIG EPS file on the flatbed and place the Phone Case Jig accordingly.



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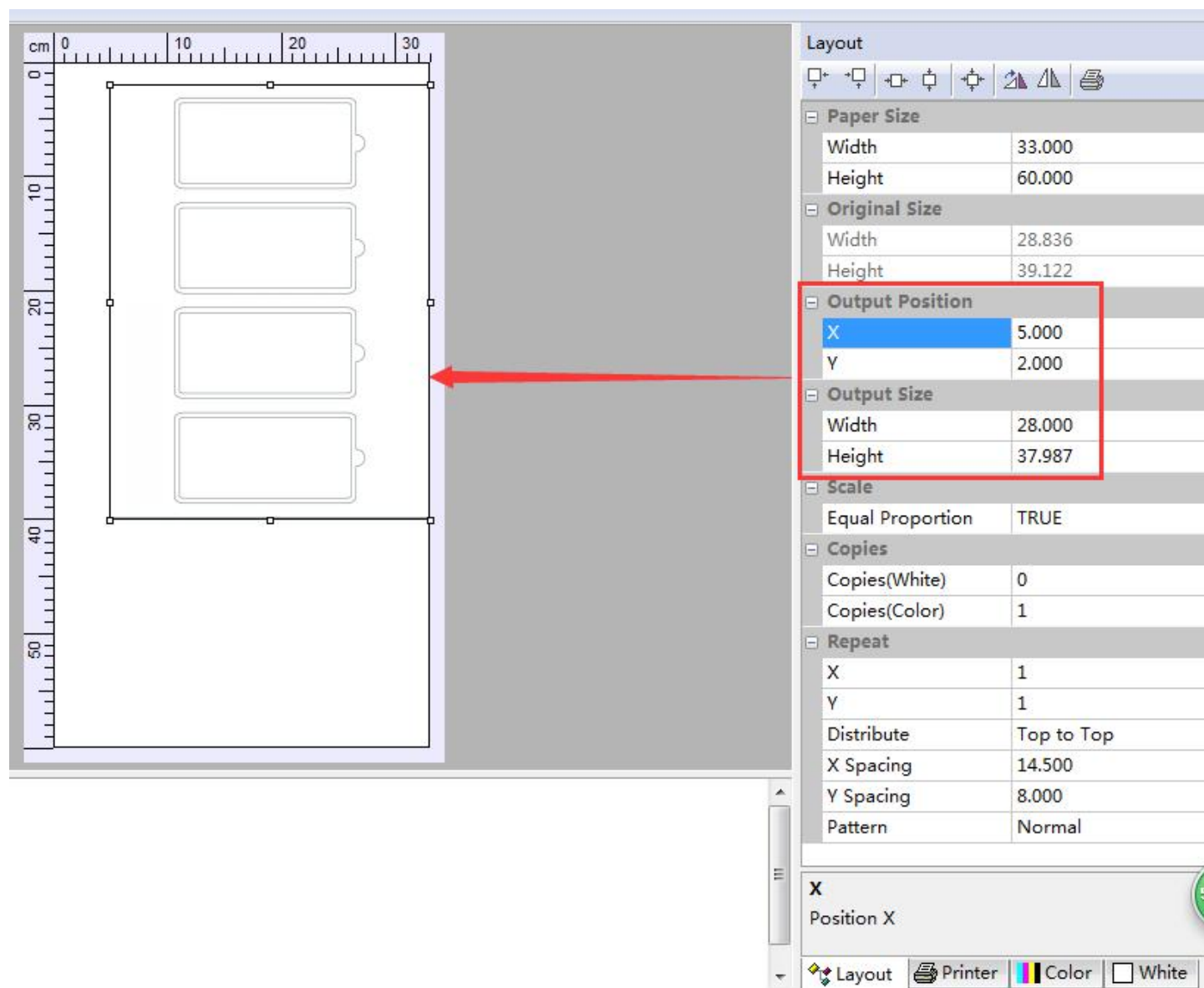


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Multiple Cases Printing

Print the JIG EPS file on the flatbed and place the Phone Case Jig accordingly.



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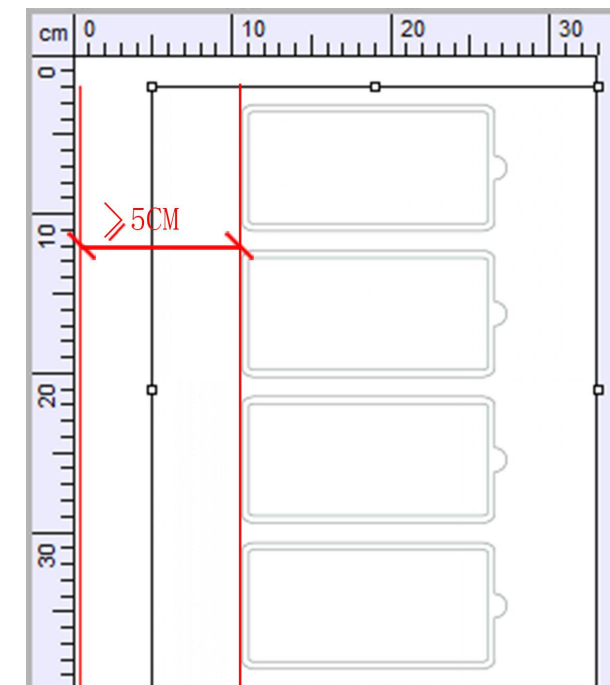
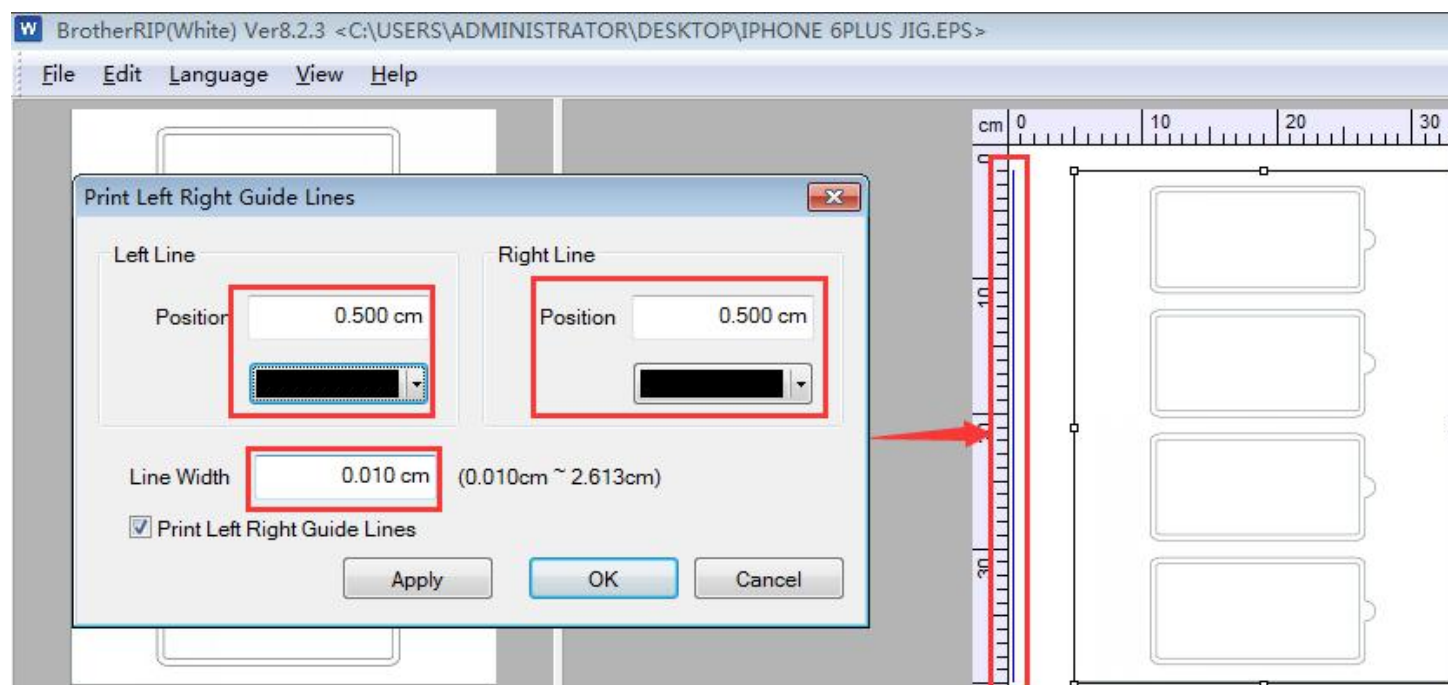


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Multiple Cases Printing

Print the JIG EPS file on the flatbed and place the Phone Case Jig accordingly.



Notice:

1. The output size of the JIG EPS file in the software should be the same as the actual JIG size.
(If the length and width both have slight differences, we need to make sure one side is the same.)
2. To insert the Guide line more easily on the left, the output position for JIG EPS file should be near to the right side.
3. The distance between the guide line and the left side the phone case should be at least 5cm. Otherwise, some part of the print result shall not dried properly.

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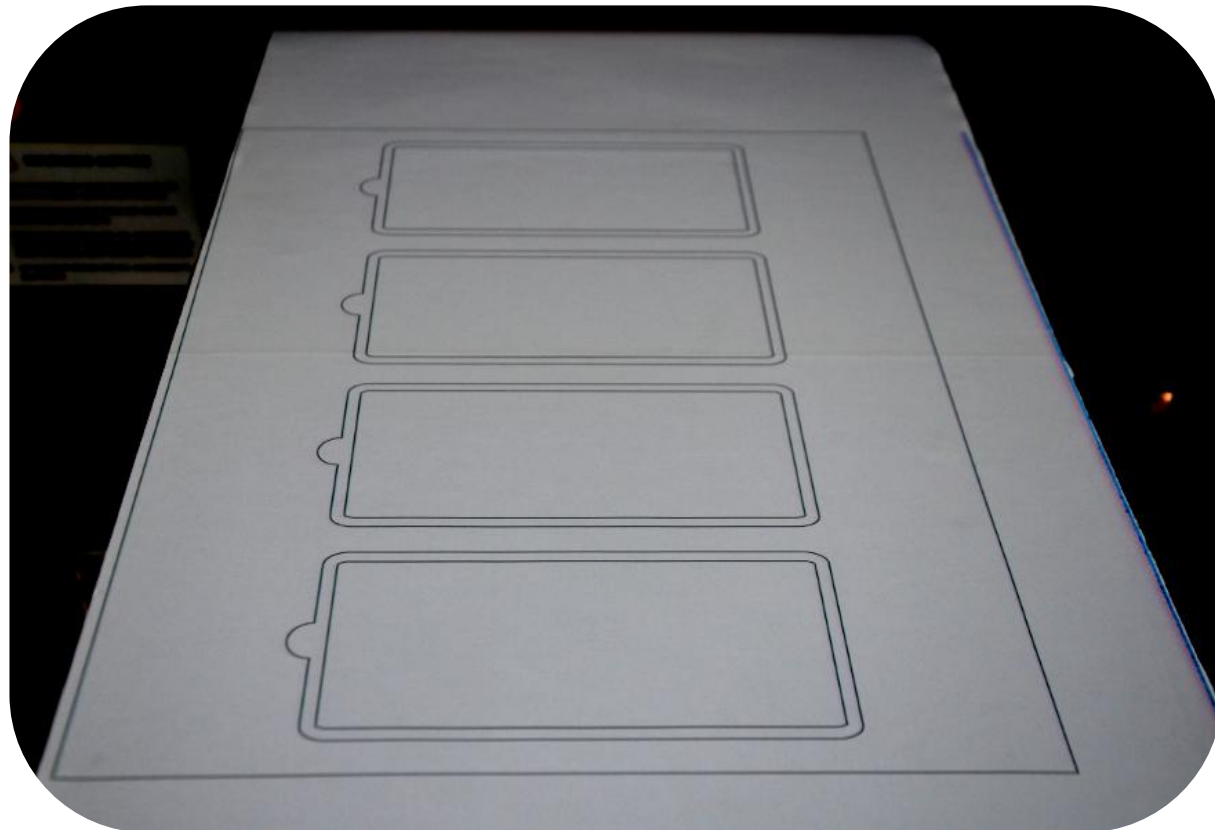


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Multiple Cases Printing

Place the JIG on the table and Adjust the height.



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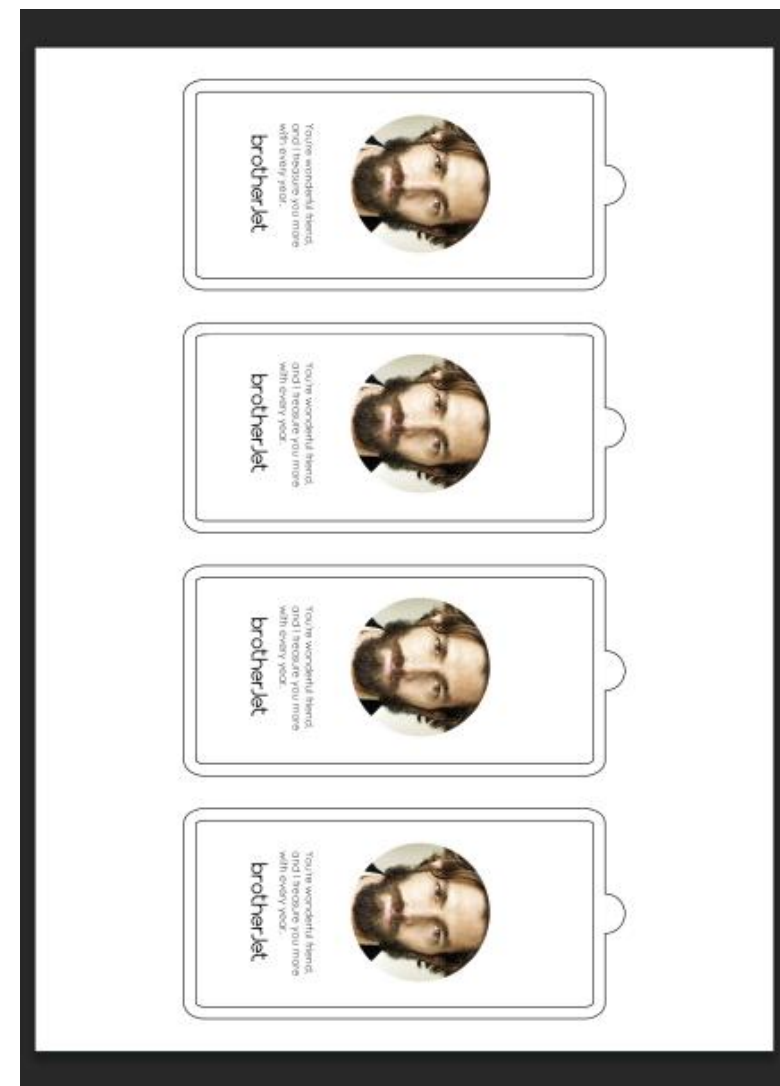
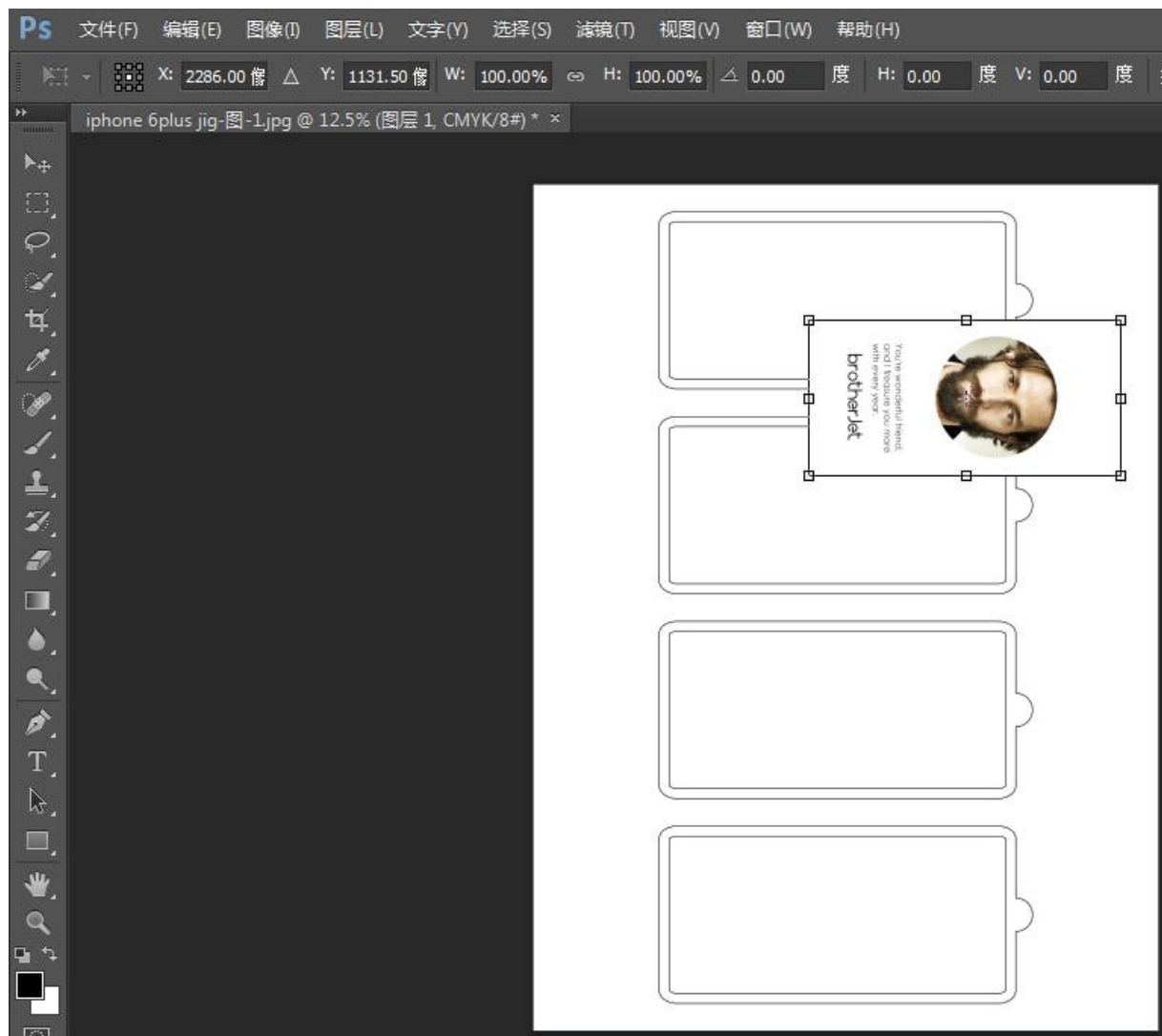


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Multiple Cases Printing

Process the new image via Illustrator or PhotoShop software.



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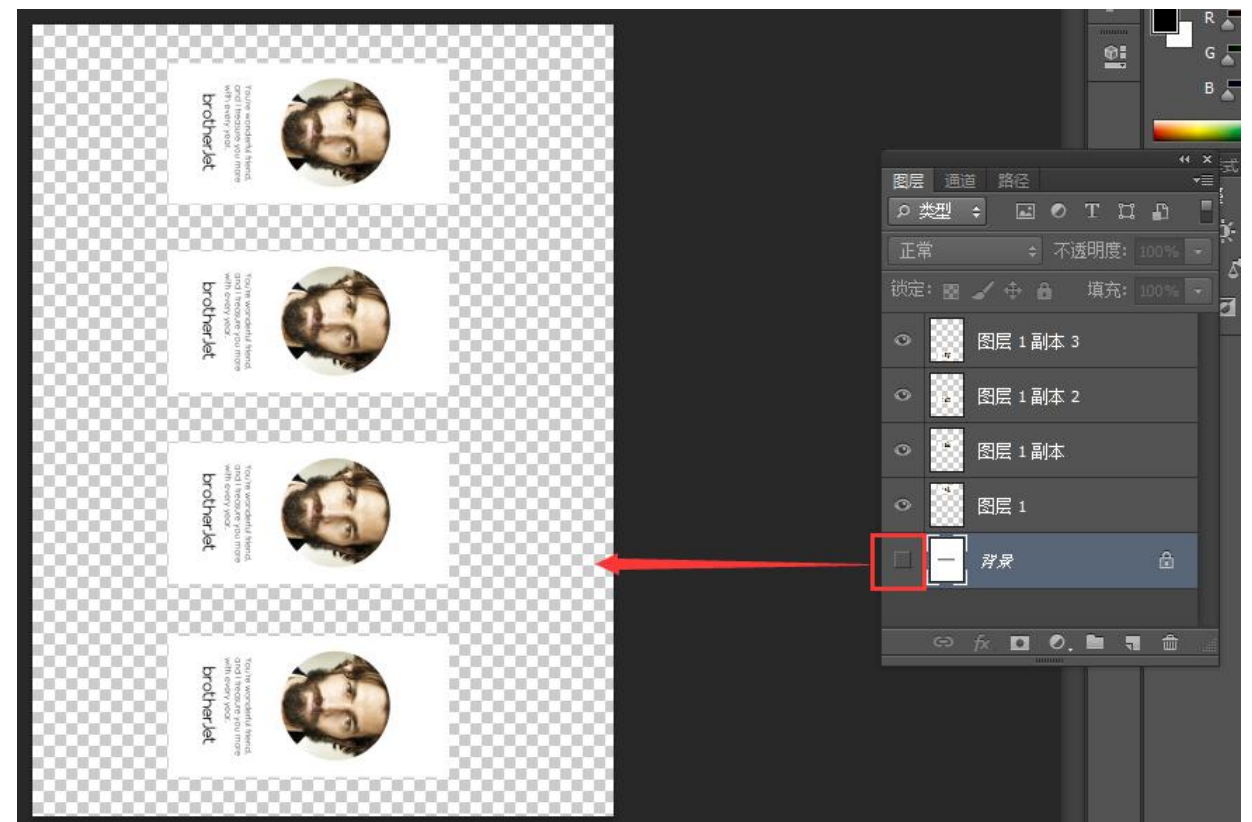
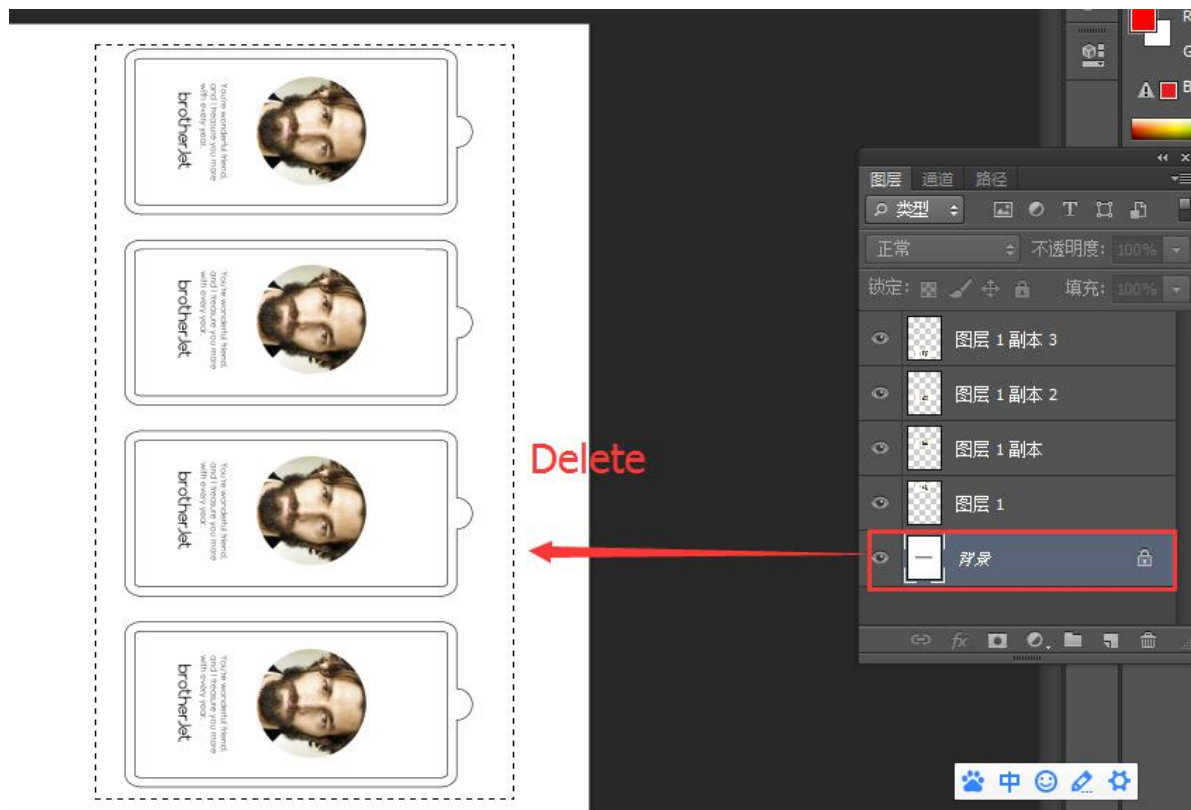


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Multiple Cases Printing

Process the new image via Illustrator or PhotoShop software.



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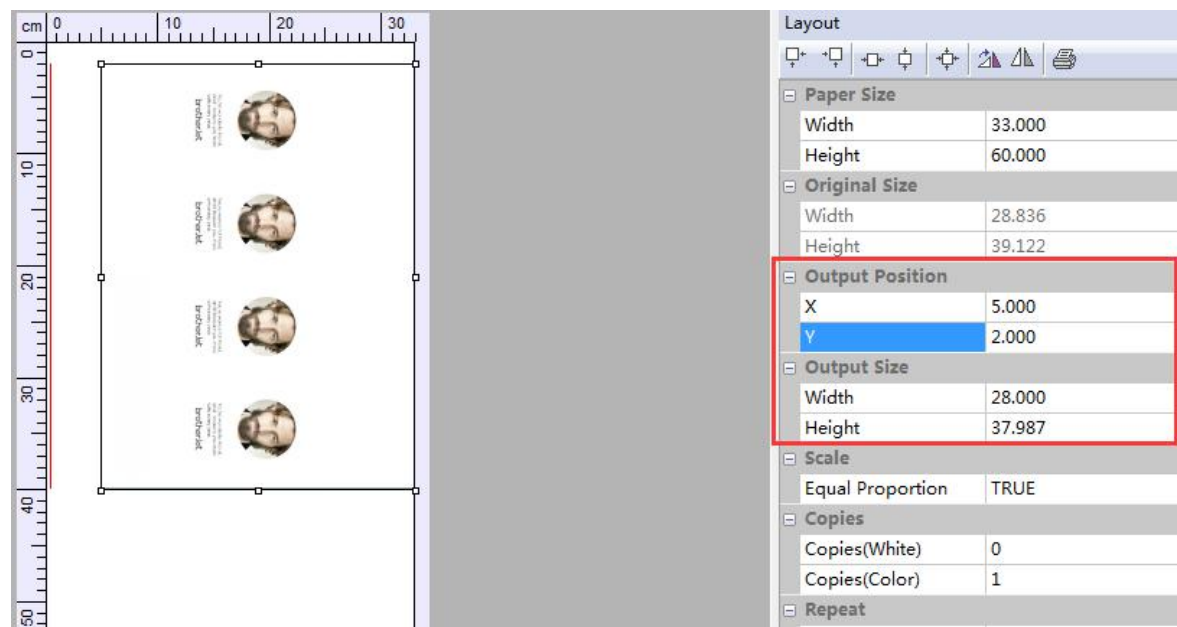
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Multiple Cases Printing

Import the processed image into the software and adjust the output position & output size.

(The size & position should be same as EPS file above.) Then makes the printing.



Need assistance ?

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FCC Caution.

§ 15.19 Labelling requirements.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

§ 15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ 15.105 Information to the user.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.