

# Double-sided printing

## Manual

RIP SOFTWARE - VERSION 13.1 - CALDERA 2020



# HowTo Use CalderaRIP Double-sided printing

HowTo Use CalderaRIP Double-sided printing	2
Introduction	3
Automatic mode	4
Manual mode	10
Combinations	15

**Caldera RIP V13**

Caldera® and all Caldera products mentioned in this publication are trademarks of Caldera.

The accuracy of your Double-sided printing depends mostly on the mechanical parameters of your printer and your media.

This manual describes a behavior that is different from the HP printers that already had a double-sided printing option.

# DOUBLE-SIDED PRINTING

## Introduction



The new **Double-sided printing** feature has been specifically designed to offer more flexibility when it comes to advanced applications such as corrugated cutouts, banner, signage .... This function allows you to rotate, mirror and/or align the images independently of each other to easily create side B. You can also automatically generate side B from side A to save time.

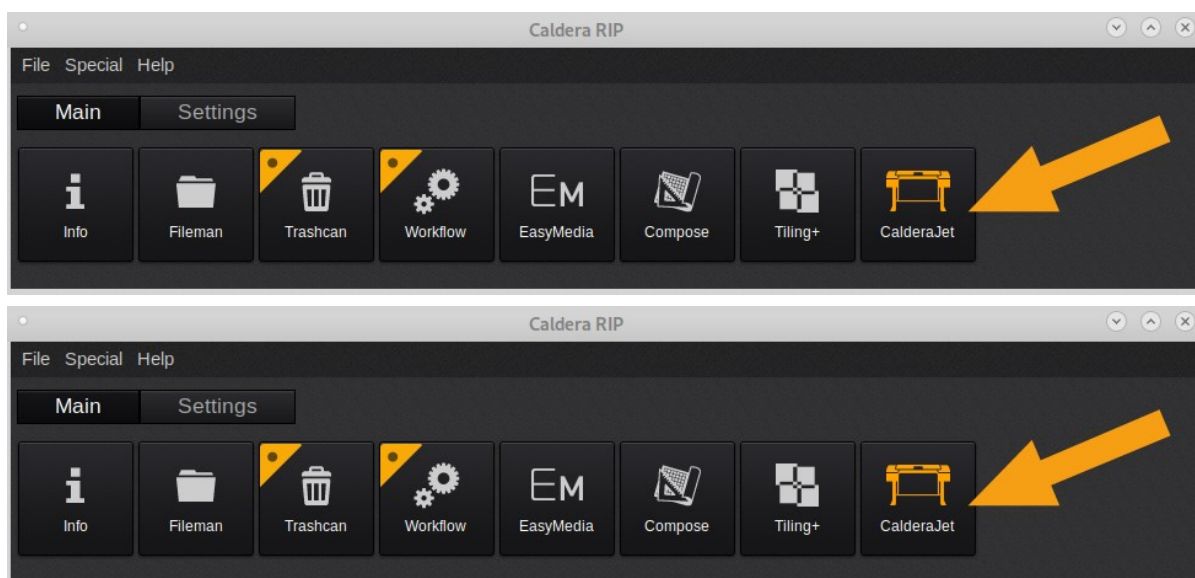


# HOWTO USE CALDERARIP DOUBLE-SIDED PRINTING

## Automatic mode

Automatic mode can be used if you want to print the same image on side A and side B.

1. In the **ApplicationBar**, double-click on your printer to open it.



2. Drag and drop your image from the **ImageBar** to your **Print**.

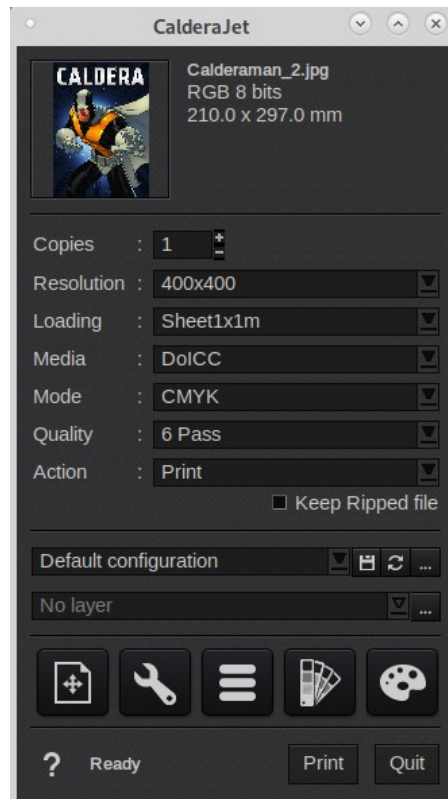
You can also directly drag and drop your image from the **ImageBar** to the printer's icon on the **ApplicationBar**.  
In that case the **Print** will open with the image.



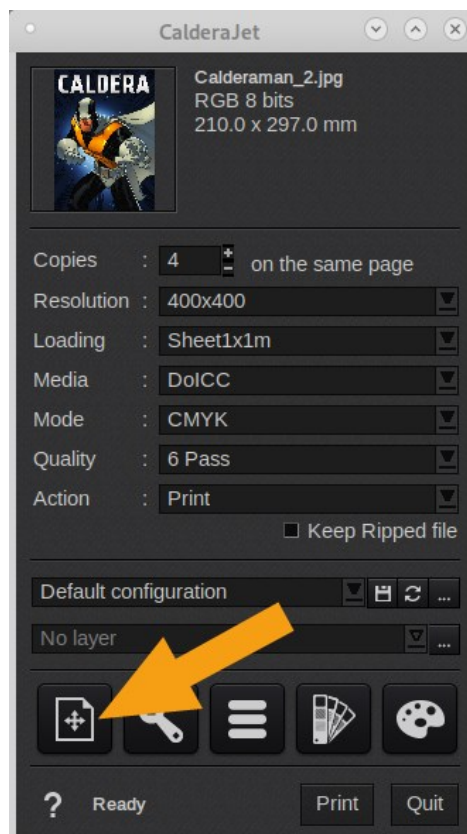
# DOUBLE-SIDED PRINTING

## 3. Set your printing configuration.

The profiles are selected automatically. If the combination you have selected does not have a profile, the menus will turn **RED**.

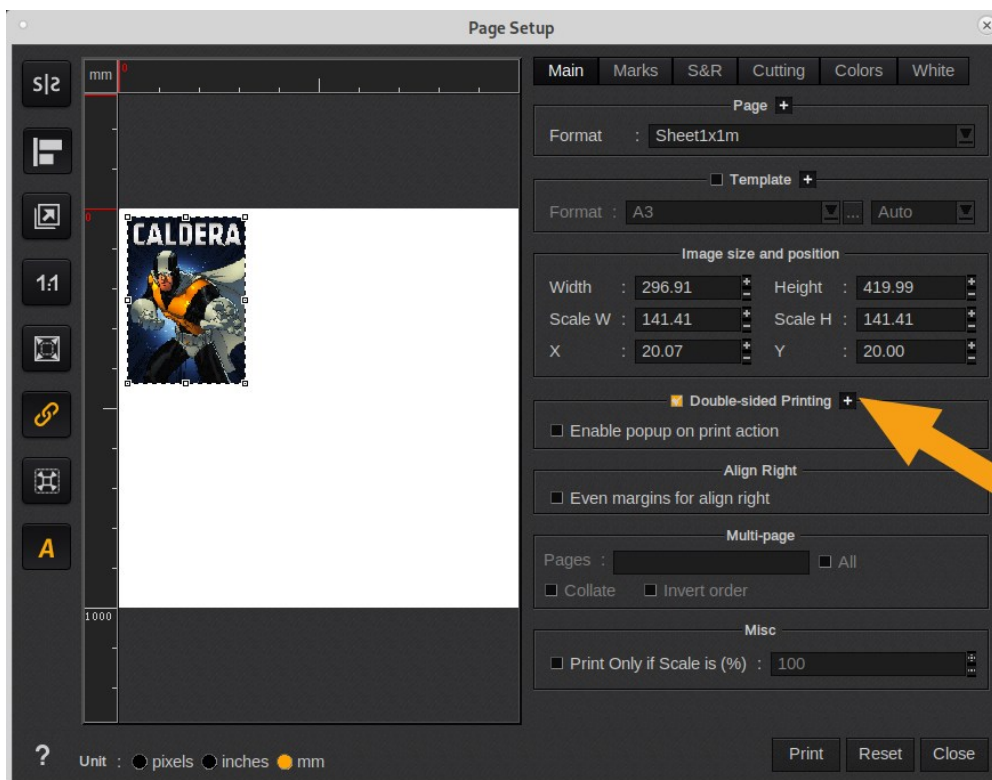


## 4. Open the *Page setup* window.

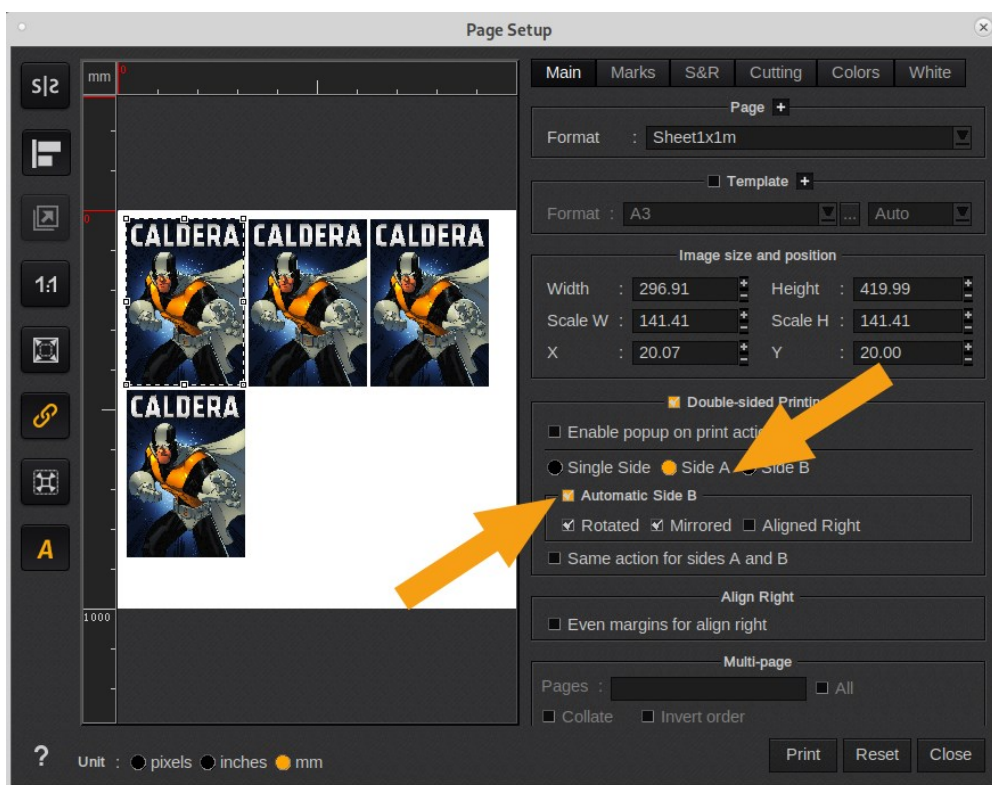


# HOWTO USE CALDERARIP DOUBLE-SIDED PRINTING

5. Here you can select the **Double-sided Printing** option. Use the + button to display all available options.



6. Select **Side A** and **Automatic Side B**. **Automatic Side B** option generates automatically a side B that will be sent to the printer (ripped or printed) after the A side if Roll workflow is not set. If a roll Workflow option is set, then the side B will wait in the **Spooler** until the user asks for printing.

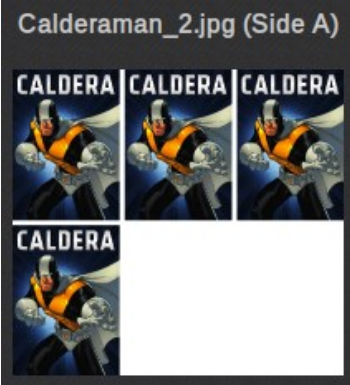



# DOUBLE-SIDED PRINTING

7. The automatic side B can be generated with or without **Rotated** and/or **Mirrored** and/or **Aligned right** options. Select the desired ones.

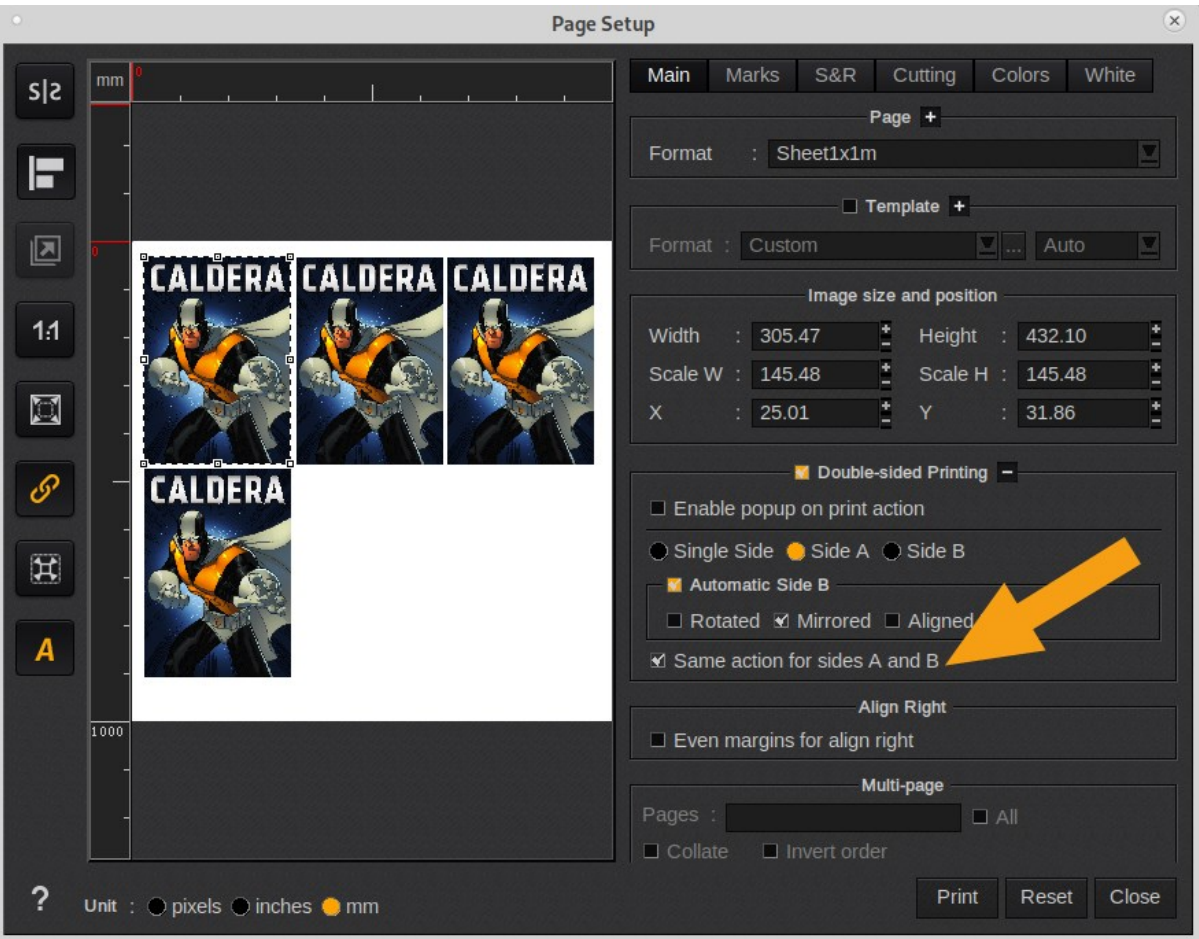
	Side A	Side B
Rotation	<p>Calderaman_2.jpg (Side A)</p> 	<p>Calderaman_2.jpg (Side B)</p> 
Mirror	<p>Calderaman_2.jpg (Side A)</p> 	<p>Calderaman_2.jpg (Side B)</p> 
Align right	<p>Calderaman_2.jpg (Side A)</p> 	<p>Calderaman_2.jpg (Side B)</p> 
Rotation + Mirror	<p>Calderaman_2.jpg (Side A)</p> 	<p>Calderaman_2.jpg (Side B)</p> 

# HOWTO USE CALDERARIP DOUBLE-SIDED PRINTING

	Side A	Side B
Mirror + Align right		

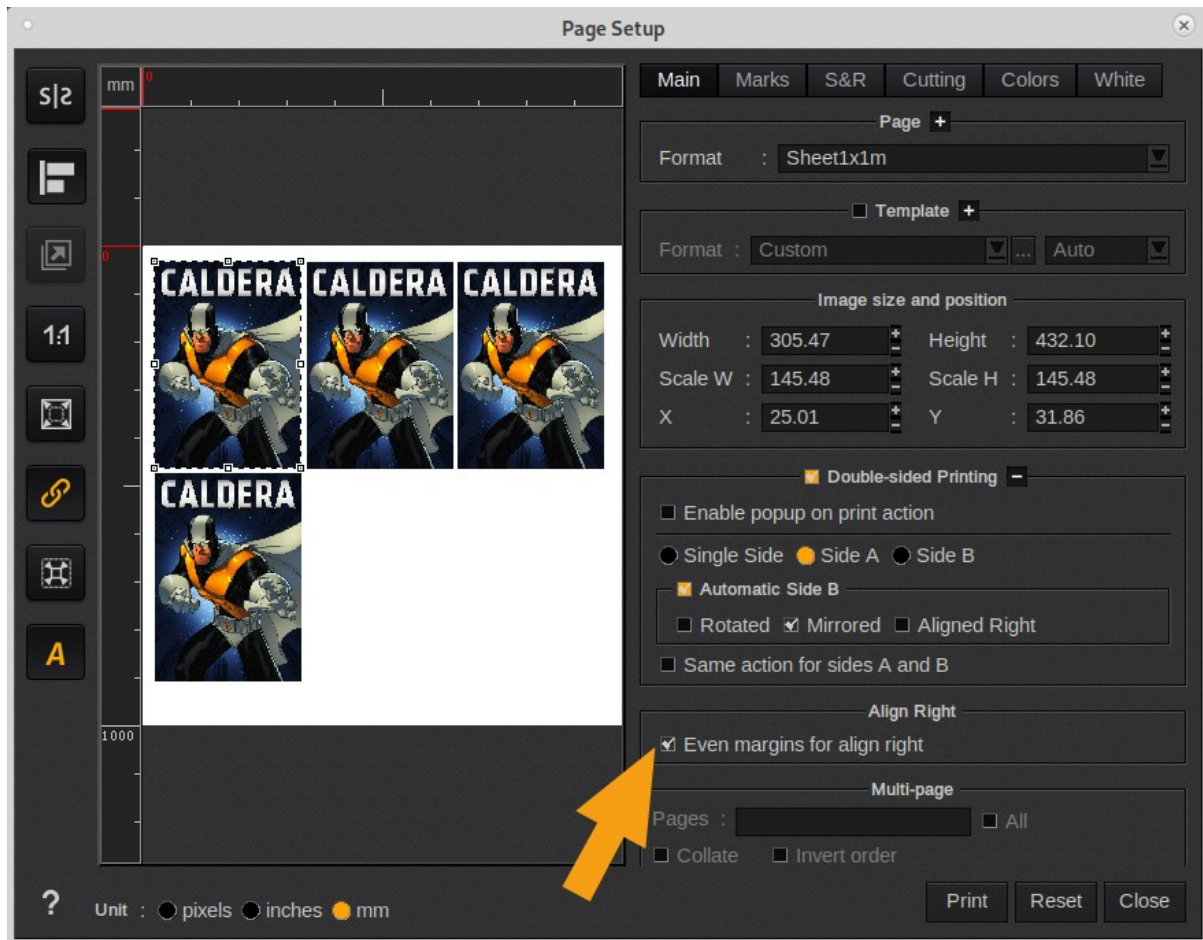
8. Check the box **Same action for sides A and B** if you want to apply the action to both sides. The action is the one chosen in the *Page Setup* window (i.e. Print, Rip, Rip then Print). By default, if this option is not enabled, the side B will be ripped.

This option is useful for Grand drivers. For Grand drivers which do not support RIP, the side B is printed by default.



# DOUBLE-SIDED PRINTING

9. When using the right alignment feature, you can check the **Even margins for align right** option if you want to apply the side A margin to the side B. For example, if you have a left margin on your side A, the same margin will be applied to the right of your side B. This feature can be particularly useful for Color bars.



10. Select, if wanted, other options in Marks, S&R, Cutting, Colors or White tabs. Available combinations are detailed in the [Combinations](#) section.
11. Click **Print** as usual. Side A and side B are automatically sent to the **Spooler**.
12. When the side A is printed, load the other side of your media.
13. Go to **Spooler**, select the side B and click **Print**.

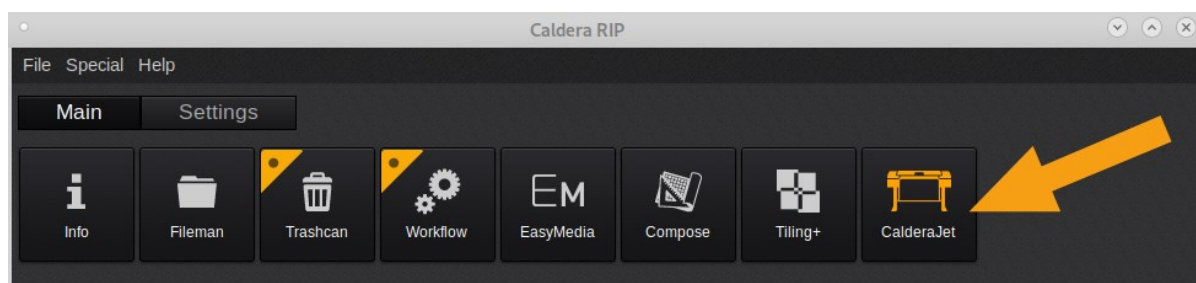
Be careful, when using Nest-O-Matik, be sure not to have incoherent parameters enabled (more information in the [combinations](#) section).

# HOWTO USE CALDERARIP DOUBLE-SIDED PRINTING

## Manual mode

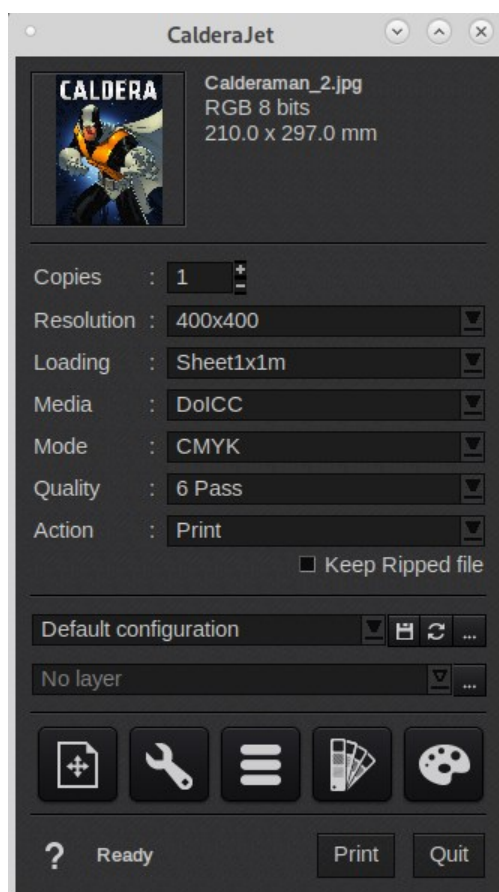
The manual mode allows you to have a side A different from the side B so you can use different images and options.

1. In the **ApplicationBar**, double-click on your printer to open it.



2. Drag and drop your image from the **ImageBar** to your **Print**.

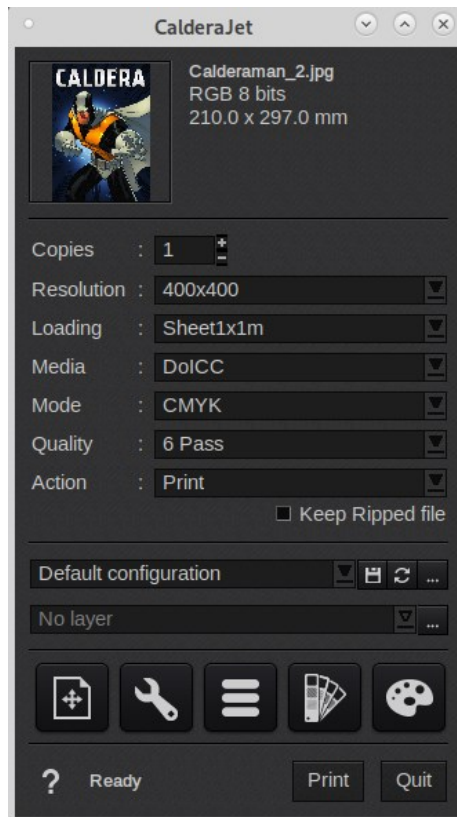
You can also directly drag and drop your image from the **ImageBar** to the printer's icon on the **ApplicationBar**. In that case the **Print** will open with the image.



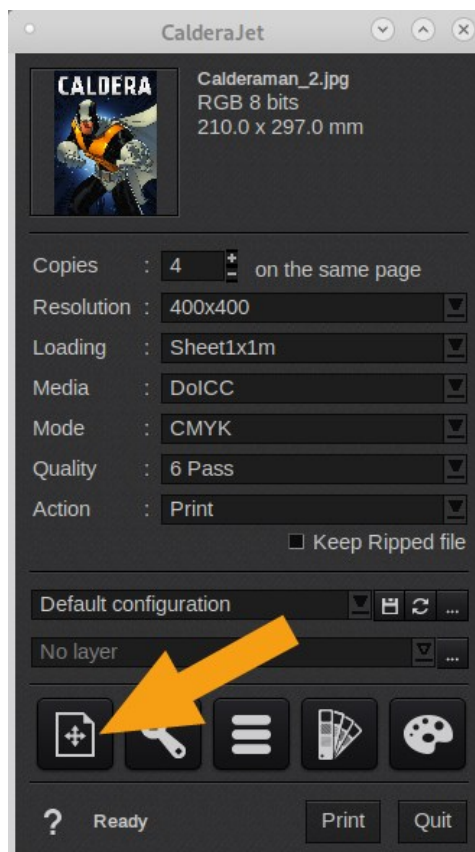
# DOUBLE-SIDED PRINTING

## 3. Set your printing configuration.

The profiles are selected automatically. If the combination you have selected does not have a profile, the menus will turn **RED**.

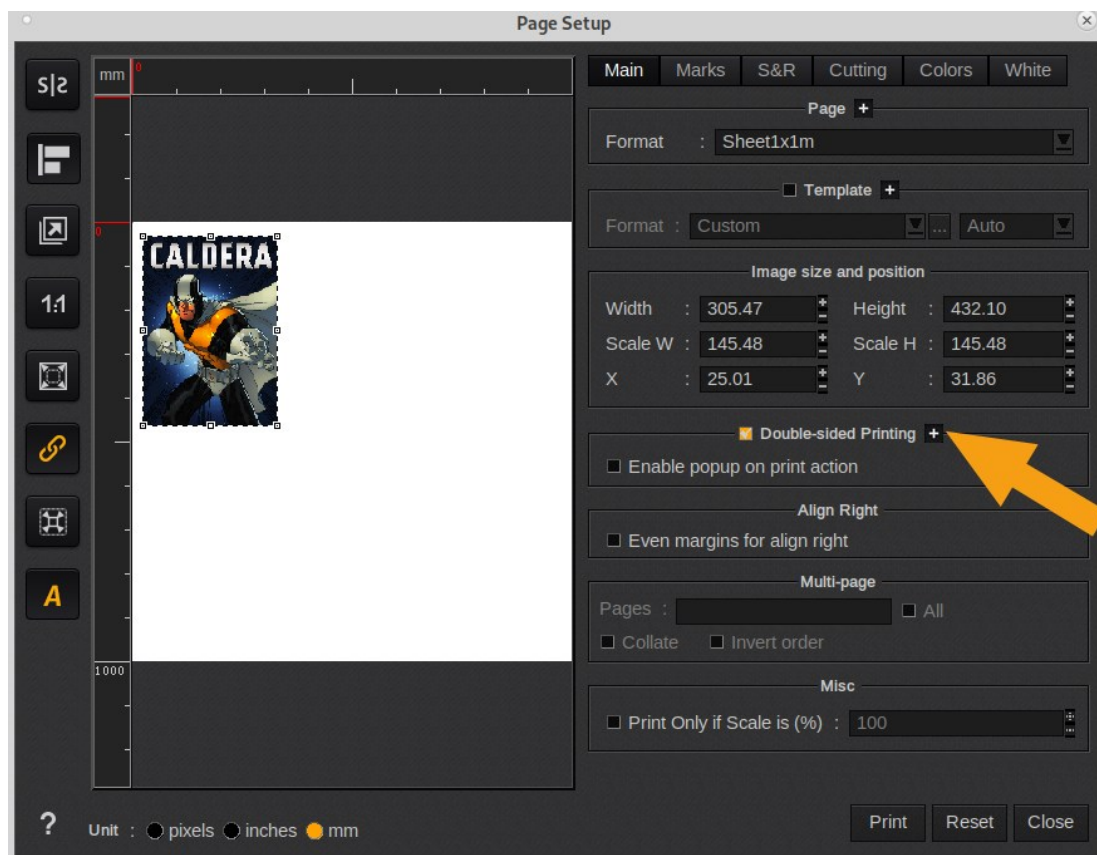


## 4. Open the *Page setup* window.

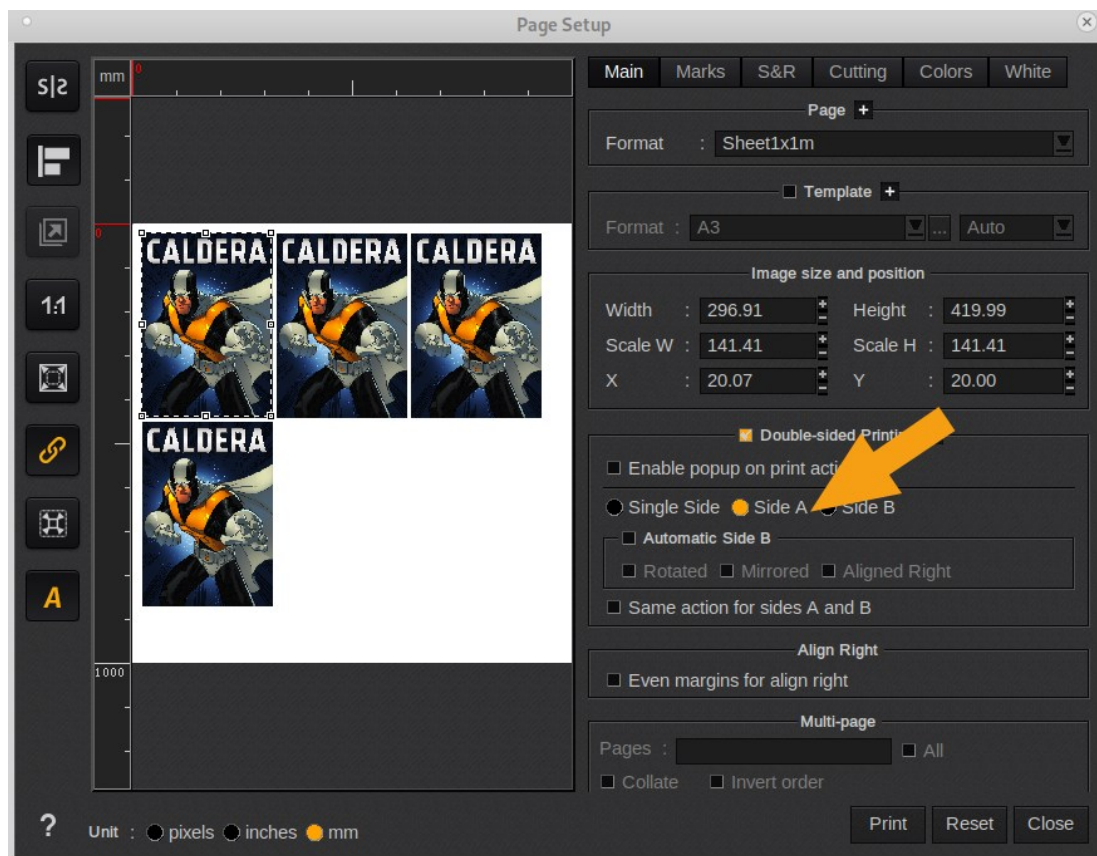


# HOWTO USE CALDERARIP DOUBLE-SIDED PRINTING

5. Here you can select the **Double-sided Printing** option. Use the + button to display all available options.



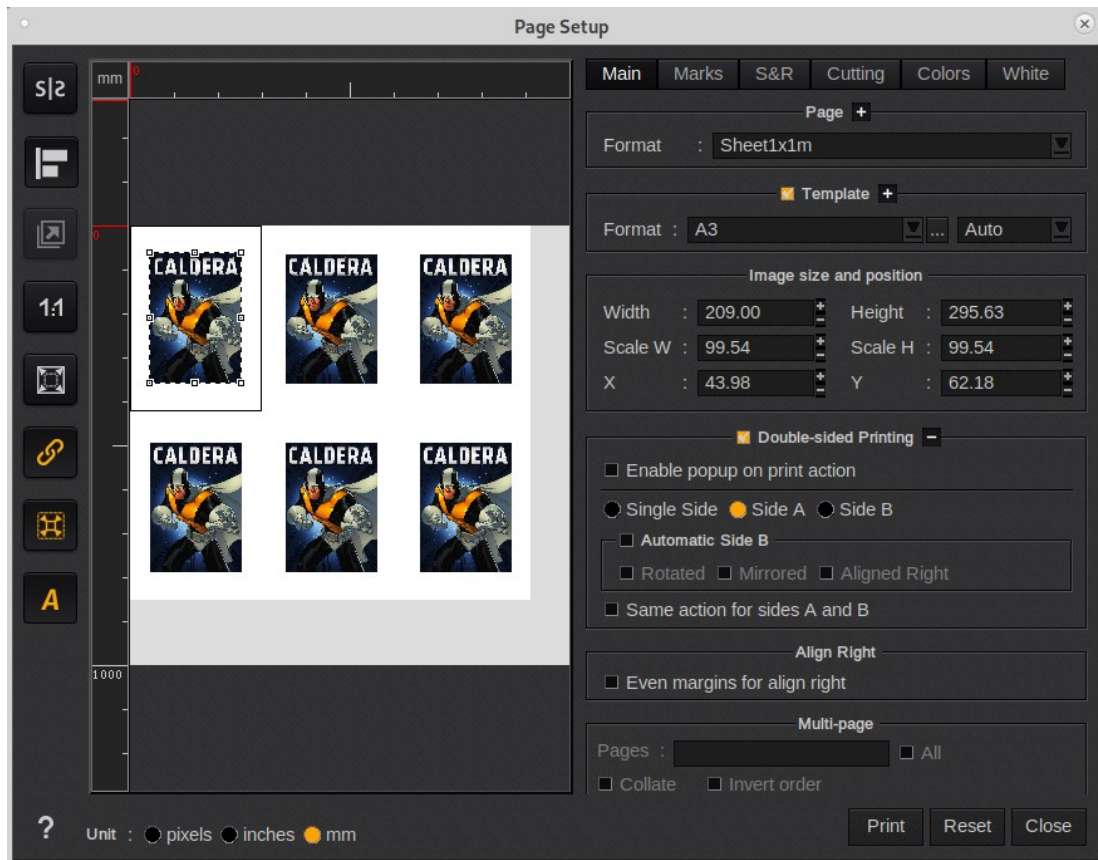
6. Select the **Side A** button.



# DOUBLE-SIDED PRINTING

7. Select, if wanted, other options in Marks, S&R, Cutting, Colors or White tabs. Available combinations are detailed in the [Combinations](#) section.

For flat-bed printers, we advise you to use templates.



8. Click **Print** as usual. Side A is sent to the **Spooler**.

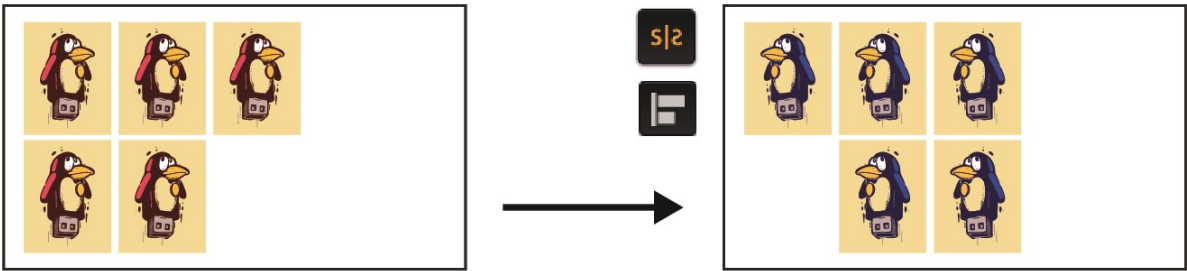
If you have several double-sided jobs to print, you can either generate all your sides A and then all your sides B or your first side A, your first side B then your second side A and second side B ... First method is useful for rolls whereas the second is more for flat-bed printers.

**Be careful, when using Nest-O-Matik, be sure not to have incoherent parameters enabled (more information in the [combinations](#) section).**

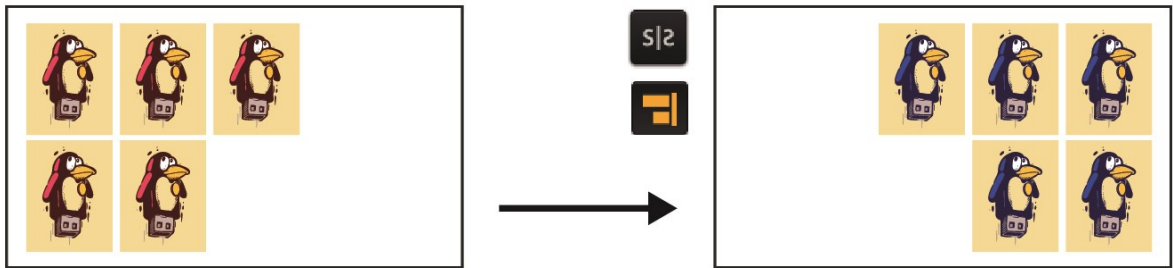
9. When the side(s) A is printed, load the other side of your media.
10. Drag the image for the side B into the *Page Setup* window and choose wanted options.

# HOWTO USE CALDERARIP DOUBLE-SIDED PRINTING

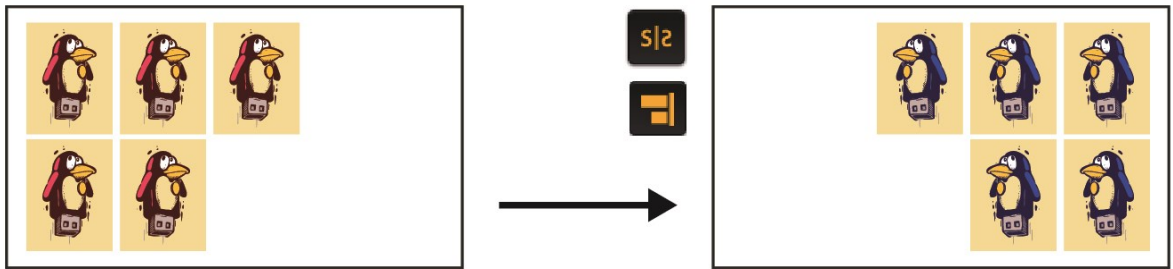
- The **Mirror** button in the left bar (only for jobs without cut) to mirror the whole composition.



- The **Right align** button in the left bar to align your images.



- The **Right align** and the **Mirror** button in the left bar (only for jobs without cut) to mirror the whole composition and align your images.



- A mirror option in the Cutting tab (for jobs with cut).

Application	Design	Cut File	Cut Marks
Sublimation Mode: Transfer then Cut	Mirrored	-	Mirrored
Sublimation Mode: Cut then Transfer	Mirrored	Mirrored	-
Backlit Mode: Cut Front	Mirrored	-	Mirrored
Backlit Mode: Cut Back	Mirrored	Mirrored	-
Legacy Mode	Mirrored	Mirrored	Mirrored

11. Click **Print**. Side B is sent to the **Spooler**.

Be careful, if you have printed all your sides A first and turned your media roll, print your jobs one by one (sides B) in reverse i.e. your latest job first.

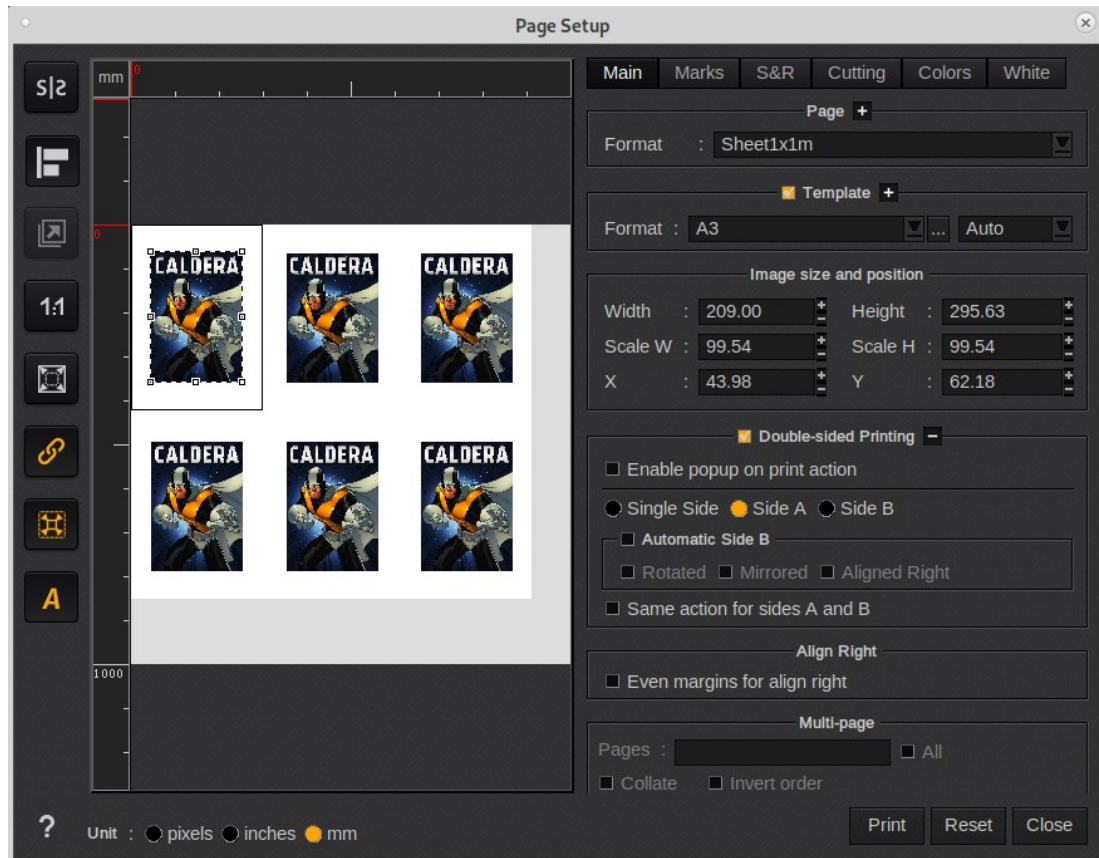
Be careful, when using Nest-O-Matik, be sure not to have incoherent parameters enabled (more information in the [combinations](#) section).

# DOUBLE-SIDED PRINTING

## Combinations

### Main

Double-sided printing can be used with templates. For flat-bed printers, we advise you to use these templates.



### Marks

Some of the **Crop marks** can be combined with Double-sided printing: **Standard Crop marks**, **Continuous Frame around the image**, **Corners**, **Tombo**, **Targets** and **Thickness**. However, **Page Number**, **File Name**, **Date** and **Free text** are not available.



# HOWTO USE CALDERARIP DOUBLE-SIDED PRINTING

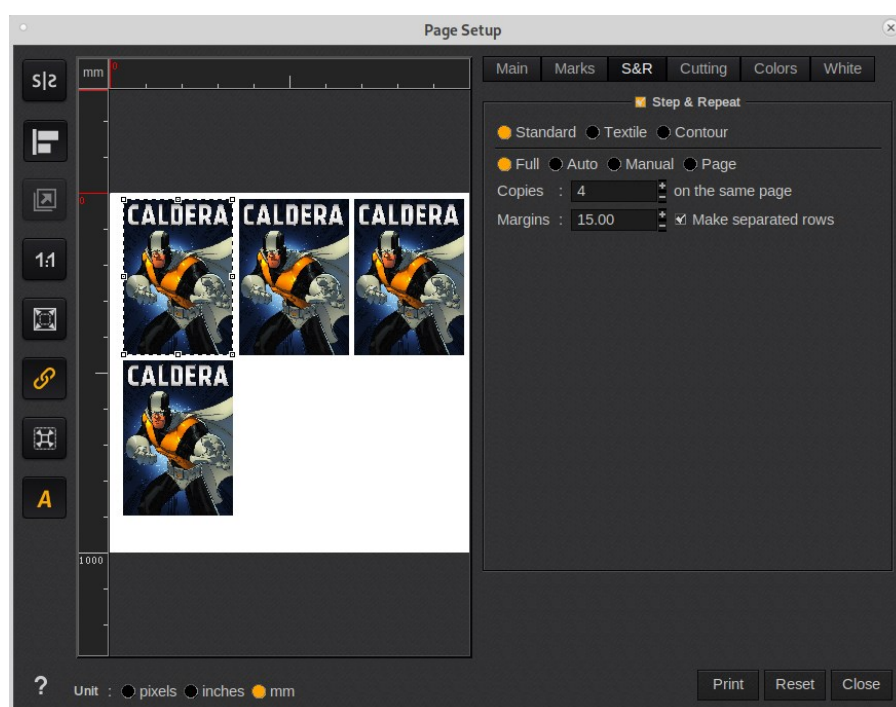
If you want to add **Bleed** to your Double-sided job, select the **Canvas** method and use **Homogenous values** (automatically enabled).



**Grommets** and **Color bar** can be selected contrary to **Trimmers**, **Annotations**, **Optical code** and **Control strip** that can not be used with Double-sided printing.

## Step&Repeat

Double-sided printing and **Step&Repeat** Standard are compatible. Due to geometrical limitations, **Step&Repeat** Textile and **Step&Repeat** Contour can not be used with the Double-sided printing feature.



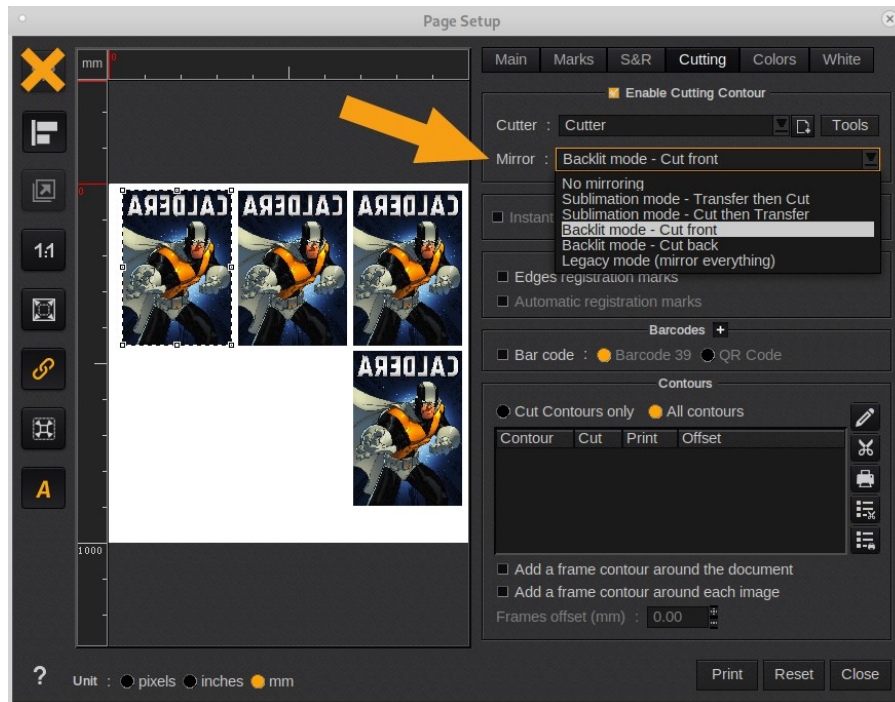
# DOUBLE-SIDED PRINTING

## Cut

Cutting can be used with double-sided printing. Mirror options have to be set in the Cutting tab and not in the left bar. **Registration marks** as well as **Barcodes** can be added to your jobs.

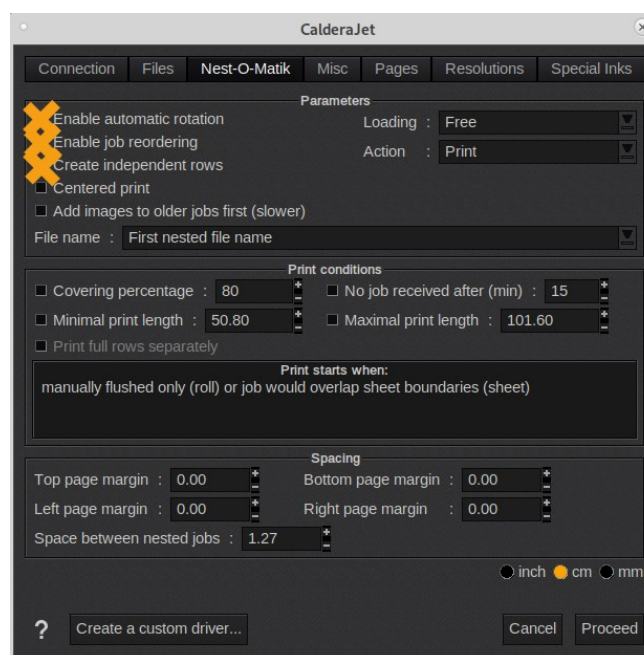
Some cutters may not be able to read mirrored barcodes or qr codes.

Caldera advise yo to disable **Extra Marks at origin** in the *Cutter tools configuration* window.



## Nest-O-Matik

Do not select the **Enable automatic rotation**, **Enable job reordering** and **Create independant rows** when using the Double-sided printing option. Activating this options may produce inconsistent results.

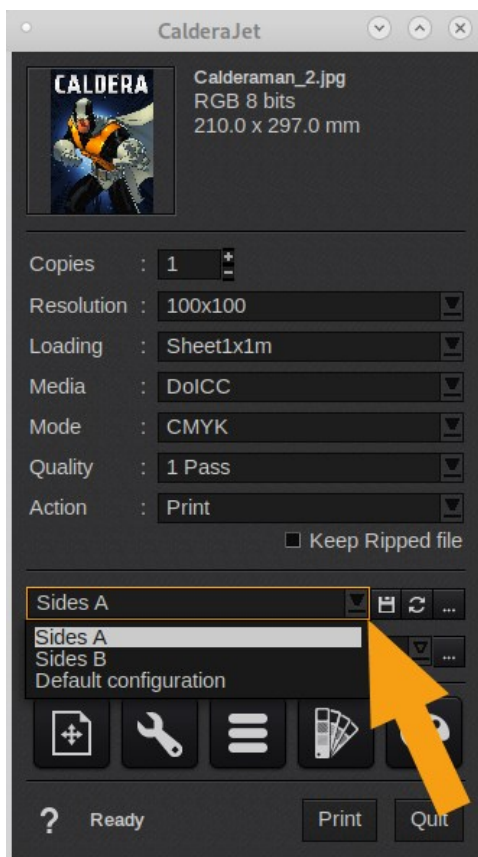


# HOWTO USE CALDERARIP DOUBLE-SIDED PRINTING

## QuickPrint & Workflows

Selecting a QuickPrint is compatible with Double-sided printing. You can create one QuickPrint for your Sides A and another one for sides B.

Using rotations does not allow the use of QuickPrint or Workflows.



## Multilayer

Double-sided printing is not recommended with multilayer printing.

Share your Caldera experience and discover our online help on:  
[calderadesk.caldera.com](https://calderadesk.caldera.com)

CALDERA - 1 rue des Frères Lumière - P.A. d'Eckbolsheim  
BP 78002 - 67038 Strasbourg Cedex 2 - France

www.caldera.com - Tel. +33 388 210 000 - Fax +33 388 756 242 - [contact@caldera.com](mailto:contact@caldera.com)