

# GrandCut

## User Manual

RIP SOFTWARE - VERSION 11 - CALDERA 2018



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### High Quality Document

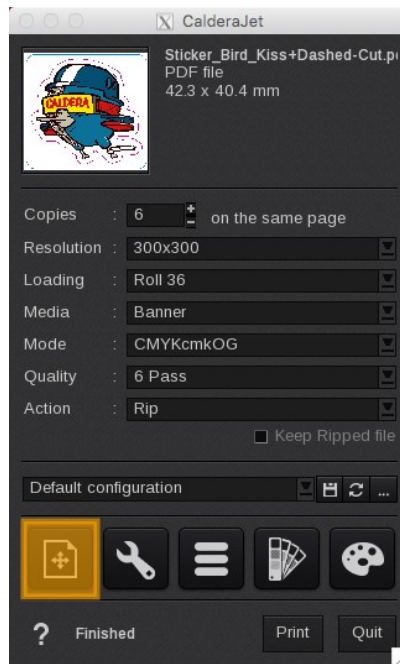
You can find a High Quality Version of this document on **CalderaDesk**:

[Download Here](#)

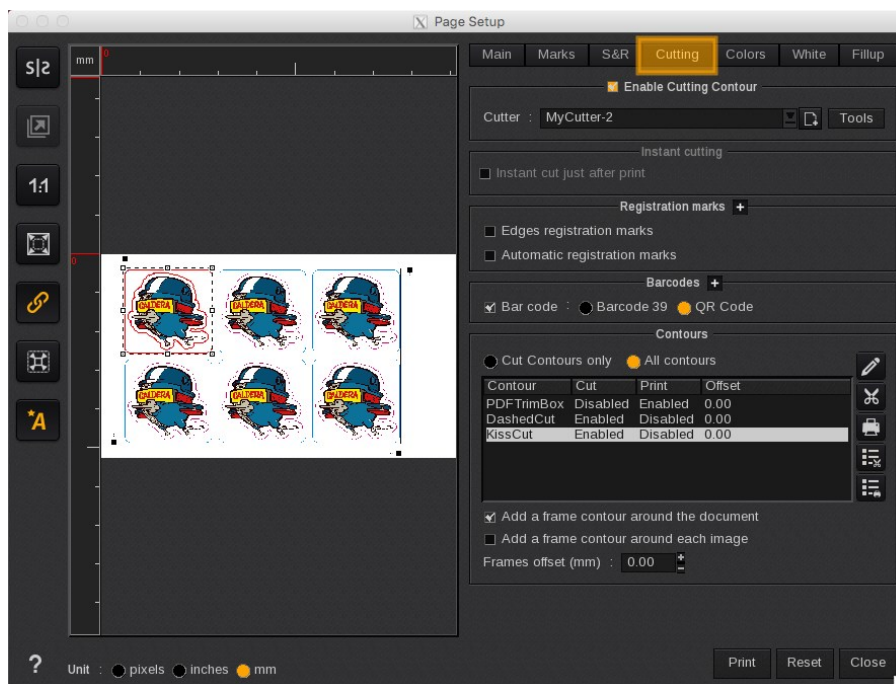
## Add the cutter to the Caldera RIP

The following steps will help you to add your cutter to your **Caldera RIP** if not done already. This operation has to be done only once. The installation will then be effective for all printers.

1. Launch **Caldera RIP**.
2. Double click on your printer's icon to open its *Print Configuration*. Put an image on it to be able to click on the first button which opens the preview and advanced scale settings page.

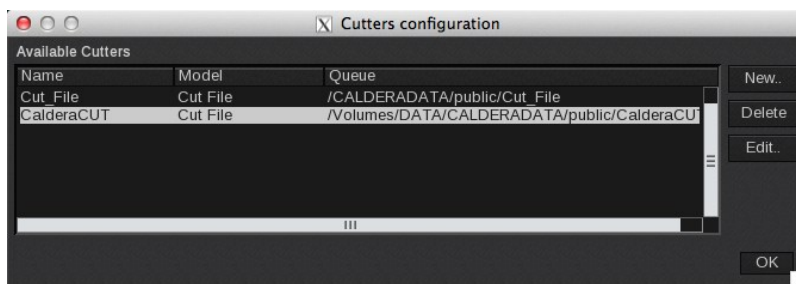


3. Go to the Cutting tab.



# ADD THE CUTTER TO THE CALDERA RIP

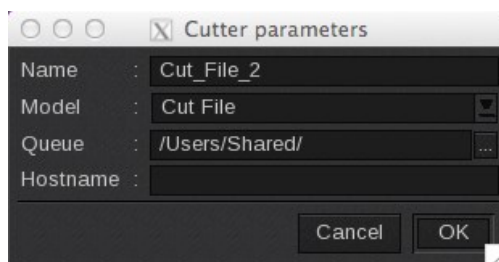
4. Enable cutting contour and click on **Configure...**



5. Now, click on **New...** to add your cutter.
6. Fill in the pop-up as shown:
  - **Name** : choose a name (will appear in the cutter list)
  - **Model**: select your cutter model
  - **Queue**: choose a directory where your cutting files will be saved

We recommend you to use a folder shared with your cutter controller so you will not have to copy the cut files on the controller workstation.

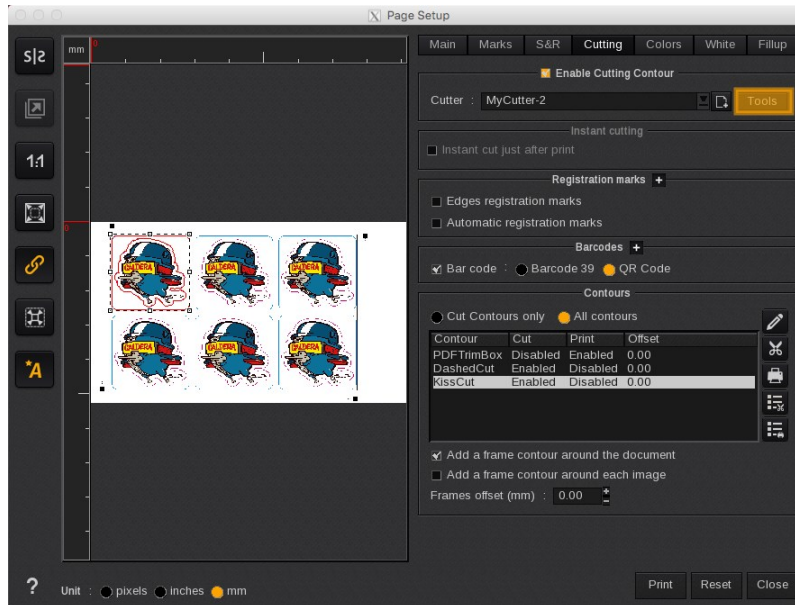
- **Hostname**: this field is required only for **Zünd Cut Center**. Please refer to the *Zünd Cut Center* Technote for this specific cutter.



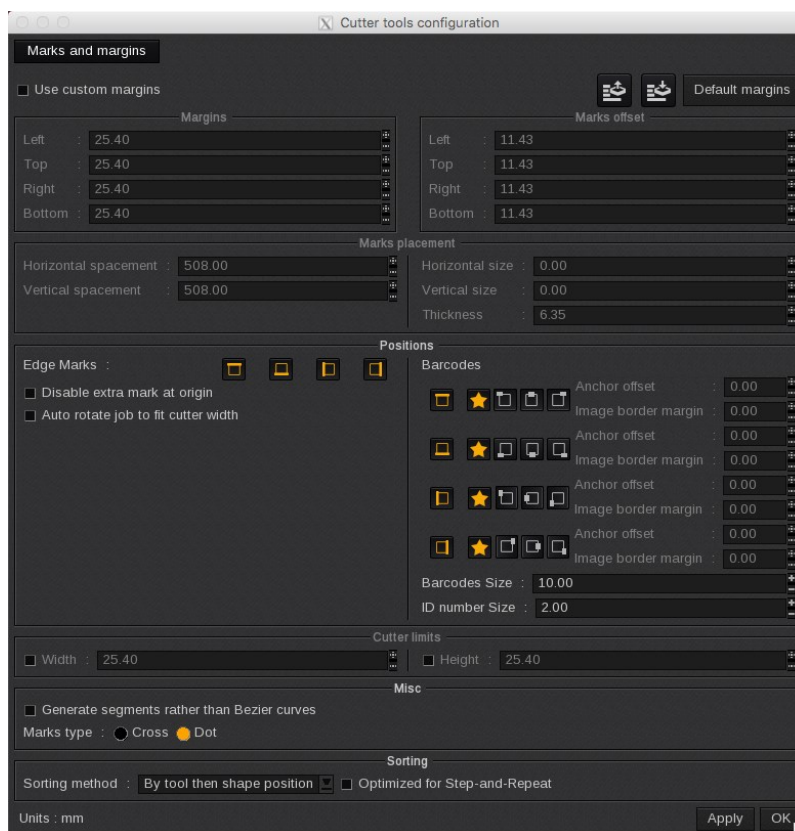
7. Click on **OK**. Your new cutter is in the cutter list.

## Tools

You can find the **Tools** button on the cutter selection line from the *Page Setup* window.



It opens the *Cutter tools configuration*.



The *Cutter tools configuration* window allows you to manage advanced features for marks and margins. The *Cutter tools configuration* window is divided into five main areas: **Use custom margins**, **Positions**, **Cutter limits**, **Misc** and **Sorting**.

## Margins

When the feature **Use custom margins** is enabled, the options are divided into three areas: **Margins**, **Marks offset**, and **Marks placement**. Click the **Default margins** button to reset the margins to the default values.

These two buttons allow you to :



Save your cutter configuration.



Launch a saved configuration.

Use custom margins		Default margins	
<b>Margins</b>		<b>Marks offset</b>	
Left	: 2.54	Left	: 8.89
Top	: 15.24	Top	: 8.89
Right	: 2.54	Right	: 8.89
Bottom	: 15.24	Bottom	: 8.89
<b>Marks placement</b>			
Horizontal spacement	: 0.00	Horizontal size	: 0.00
Vertical spacement	: 400.05	Vertical size	: 2.54
		Thickness	: 0.00

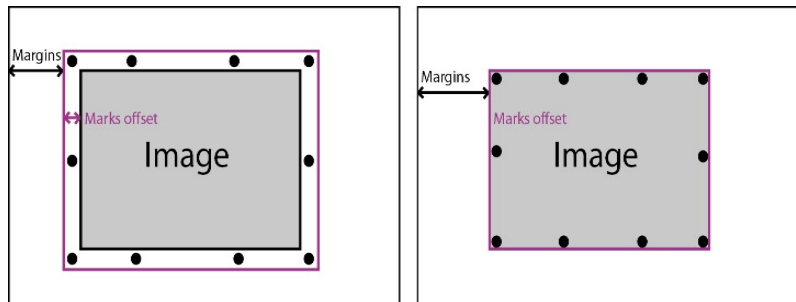
### Margins area

You can set **Left**, **Top**, **Right** and **Bottom** margins.

### Marks offset

The **Marks offset** allows you to define the space around the image that will contain the cutting marks. In **GrandCut**, if you define the **Left**, **Top**, **Right** and **Bottom** margins at 0, the marks will be placed inside the image.

Here you can set the margins between the frame created by the **Marks offset** and the roll or page border. You can set **Left**, **Top**, **Right** and **Bottom** margins.



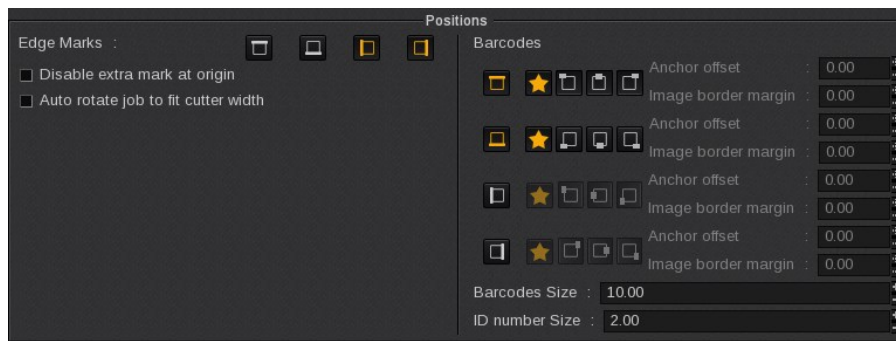
In the second example, the Marks offset is equal to 0 and the marks are placed on the image.

### Marks placement

When available, you can set the **Horizontal** and **Vertical** spacing between the marks.

**Horizontal** and **Vertical** size and **Thickness** are fields dedicated to **VisualCut** cutters.

## Positions



Here you can set the positions of the **Edge Marks** and the **Barcodes**.

### Edge marks and positions additional settings

The **Edge Marks** parameter allows you to select on which side of the job these marks will be added.



Top



Bottom



Left



Right

When the icon is orange, it means that the side is selected.

For some cutters, an extra mark is added at the bottom right corner of the job by default. It is used by them to detect the job orientation. Use **Disable extra mark at origin** if you do not want this extra mark to appear (especially for mirrored jobs).

The **Auto rotate job to fit cutter width** option works with the **Cutter limits** (and especially with the Width). This option is useful when the print width is too large to fit in the cutter and it needs to be rotated.

Example: if you have a 60x30 inch job that is printed on a 64-inch roll and your cutter is only 36 inches wide, you can rotate the job for the cut and the marks placement will rotate also.

### Barcodes

The following settings apply to **Barcodes** and **QR Codes**. The side icons are the same as described in the previous section for **Edge Marks**. Similarly when the icon is orange, it is selected.



These three settings are linked to the **Side** activation:

- **Mark placement:** for each side, you have four choices where to position the barcode:



Auto: **Caldera RIP** will place the barcode automatically.



First border: Left or Up depending on the side.



Center.



Second border: Right or Down depending on the side.

- **Anchor offset:** allows you to move the barcode, if you want to adjust its placement. This feature is not supported if Auto has been selected. The **Anchor offset** moves the barcode to the center. If it is already centered, a positive offset moves the barcode clockwise while a negative offset moves it counter-clockwise.
- **Image border margin:** defines the spacing between the image and the barcode. This feature is not supported if Auto has been selected.

Below the side settings, you can find the following options:

- **Barcode Size :** defines the size of the barcode.
- **ID Number Size:** defines the size of the ID number size.

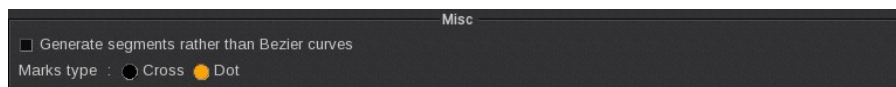
## Cutter limits



Here you can set the **Width** and **Height** of the cutter. These parameters work with the “*Auto rotate job to fit cutter width*” setting. If the job’s width is too high, the job will rotate. If the height has been set, a check will be made to see if the rotated job can fit. If not, the RIP will undo the rotation.

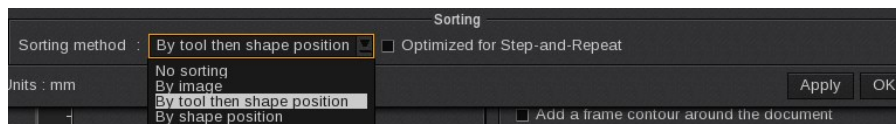
Be careful, no warning will tell you that the job does not fit the cutters limits.

## Misc



Elements from the **Misc** area are for cutters driven by **GrandCut**. It allows you to choose to **Generate segments rather than Bezier curves** and to choose the **Marks type** between *Cross* and *Dot*.

## Sorting



The **Sorting** method is for cutters driven by **GrandCut**. It will choose the optimized path to select the next contour to be cut in order to save time. This lets the user specify the cut order: by image, cut tool or shape.

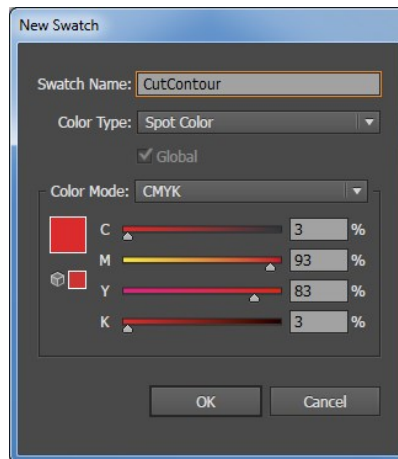
## The Cut workflow

### Create a CutContour

1. Launch **Adobe Illustrator™** if not already open.
2. Insert your file in the current document and create your cut contours.



3. Requirements of the Contour for proper detection:
  - Stroke with an 0.1 point line weight to avoid double cuts
  - Stroke without special effects
  - Stroke needs to be centered (Illustrator setting).
  - "CutContour" name is preferred otherwise it will not be automatically detected as a Contour
  - The color used has to be set as a **CMYK Spot color** with a value.



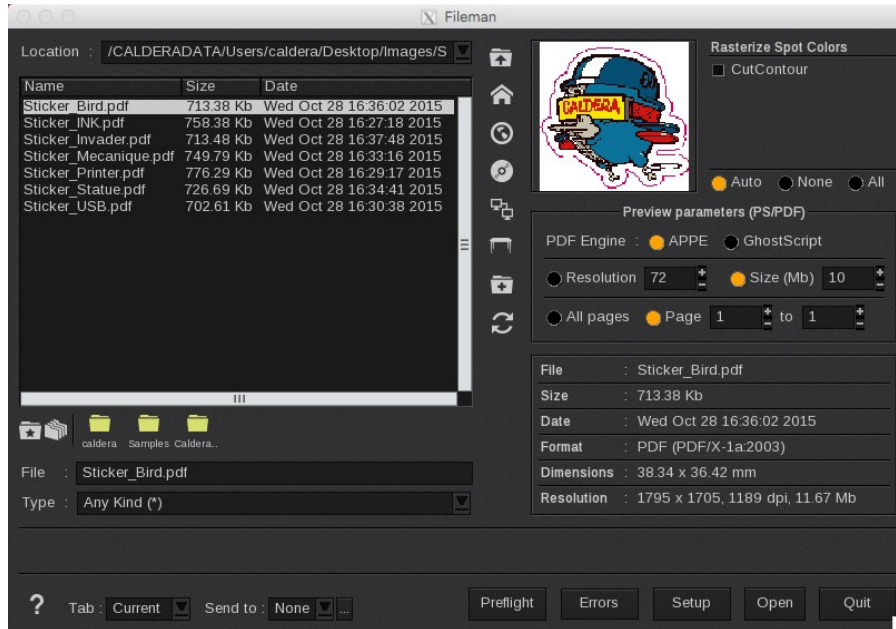
4. Click on **File** then **Save As** and save the file as an EPS or PDF (PDF format is preferred).
5. Move your file to your **Caldera RIP** computer or save it in your shared directory.

You can see an example of CutContour using Caldera's sample image: « FlameBoy Cut.eps » available from the Images folder created on the workstation Desktop during the software installation.

# THE CUT WORKFLOW

## Print with Caldera

1. Open **Caldera RIP**
2. Double click on **Fileman** to open it then search the location of your file on your machine.



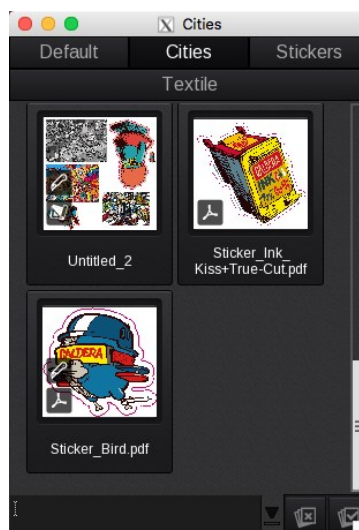
Use the left part of the window to find your file.

Depending on how you named your contour, click on **Setup...** then **Edit Cut Contour** list and check that your contour name appears in the list. If not, add it.

A name like "NAME\*" means that every cut contour name which begins with "NAME" will be recognize by the RIP.

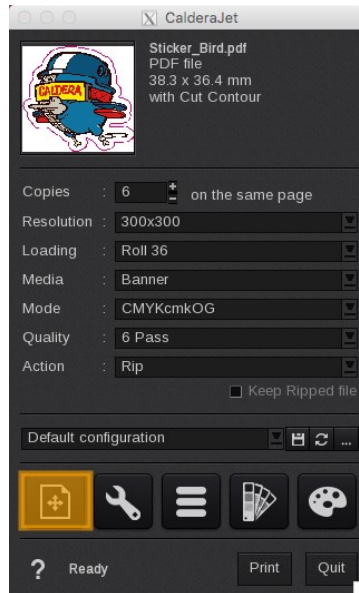
Steps to add a Cut Contour name.

3. Click on **Open**. Your image has been downloaded in the **ImageBar**.

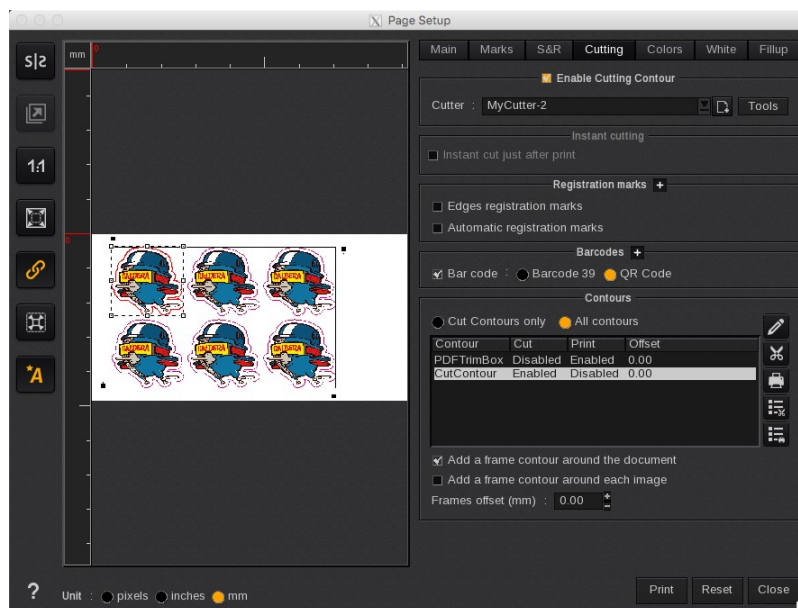


You can see the PS symbol which means the file is an EPS and a cutting knife symbol which means this file has cut contours recognized by the **Caldera RIP**.

- Double click on your printer's icon to open its print configuration. Choose the resolution, loading, media, mode and quality. If you want a simple print, the action has to be "Print"; otherwise, you can refer to the Caldera User Manual for further information about the other actions available. Drag and drop your image from the ImageBar to the printer *Configuration* window.



- Click on the first button on the left. It opens the preview and advanced scale settings of the page. Then go to the Cutting tab.



- There, click to **Enable cutting contour** and chose your cutter. Several options are available (see [Print Module - Page Setup - Cutting overview](#) on [CalderaDesk](#) for more information)
  - Tools:** see the previous section to get more information about the tools.
  - Print options** (Instant cutting, Registration marks, Automatic registration marks): you can choose to print registration marks, to add automatic registration marks, barcode or a print identification number. You can also print a QR Code containing the cut information.
  - Contours:** you can add a contour around the document and / or around each image. Edit the existing contours and specified if they need to be printed and / or cut.
- Click on the **Print** button or close the current window in order to change others printing parameters before launching the print.
- You can then find your cut file in the directory you've set for your cutter. Copy it on your cutter controller if you didn't used a shared directory and follow your cutter's instructions for the cut itself.

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

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