

Summary

Description of the Menu bar	2
1) Menu: File	3
2) Menu Print	5
3) Menu Configuration	6
4) Menu “?” (Help and Assistance)	8
Detail and Functions of the Tool Bar graphic menu	9
Front and Back Print Calibration:	18
Printing Mode:	20
Standard CMYK print (K made with Process CMY)	
W + CMY print	
New BG.A.P.TM features and printing on Black media	22
Advantages of technology BG.A.P.TM	23

Description of the Menu bar

1) Menu: File

Open Image: Allows the opening of the file from the hard disk, network path or external source such as USB etc. ...

Import file: Allows you to insert a second file on the editing table by selecting it with the same criteria as Open image. In this case we will find two different rows on the same assembly table.

New table: Allows you to create a new assembly table to load one or more files on.

Program Preferences: This window allows you to set program preferences. For further information on this section, refer to the "Program Preferences" paragraph on the next page.

Print: Allows access to the print window.

Add new card: This command opens a window that allows you to load a new printer driver from the internet or manually.

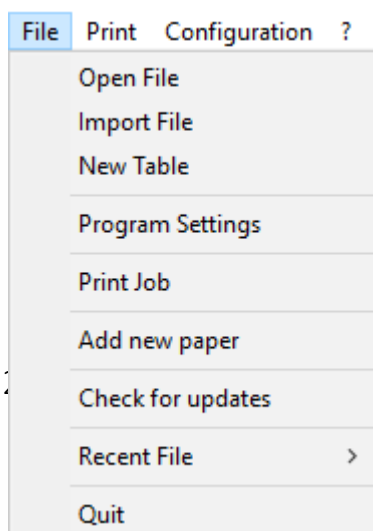
The Driver includes linearization's, colour profiles and calibrations of the registered medium. We recommend that you do this only after consulting technical support or your dealer.

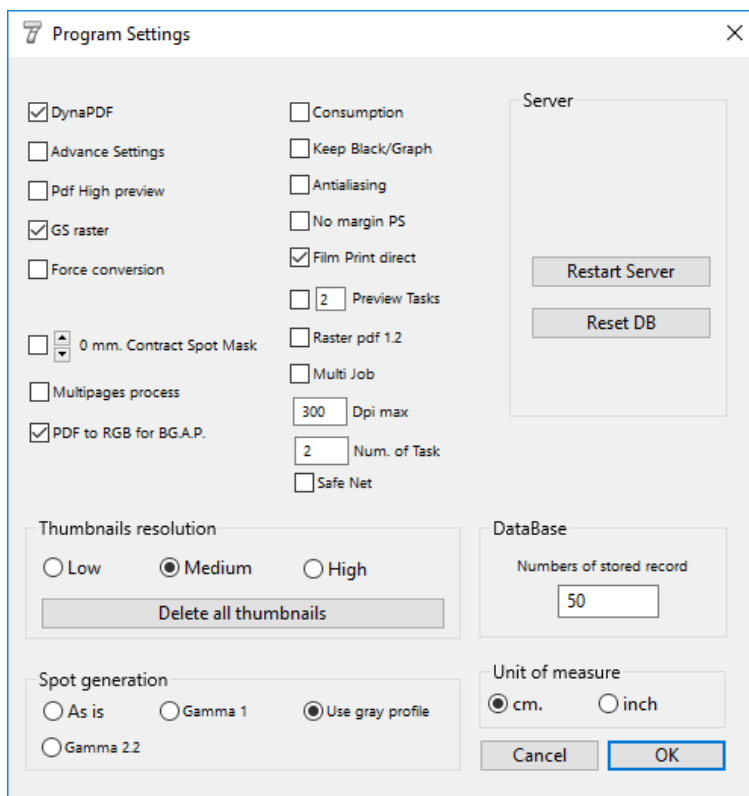
Check for updates: Window that allows you to view and install any updates for the program or modules purchased. We recommend that you do this only after consulting technical support or your dealer.

Recent files: Allows you to view and recall the last jobs performed simply and immediately.

Close: Exit the window and close the program.

Program preferences: This button allows you to configure the display and functions of the program.





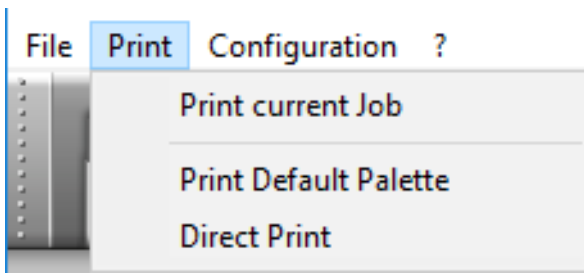
- **DynaPDF:** This function is reserved for the technical department (leave active unless instructed otherwise).
- **Advanced settings:** Allows you to create and view drivers using the optional DriverManager module and access non-standard driver versions made by DevStudio.
- **PDF HD Preview:** This function rasterizes the first pdf document on the editing table in very high resolution. Use this function if the preview is not displayed on the screen. If there are multiple PDF files in the document, the program will ask from time to time

whether to view the preview in high resolution.

- **GS raster:** This function is reserved for the technical department.
- **Force conversion:** This function is reserved for the technical department.
- **Contraction Spot:** This function is used when a background must be applied under the main image, for example a white mask. Values vengono espressi partendo da 0,1mm a incrementare. In sostanza riduce lo sfondo da applicare all'immagine per evitare che il colore (Bianco nel caso dell'esempio) possa sbordare dal colore dell'immagine sovrastante.
- **Multitasking process:** This function is generally used with large format printers. Allows rasterization page by page while continuing to work on the document.
- **Consumption :** If the printer is enabled, this function allows the recording of consumption during printing.
- **Keep black / graphic:** This function allows you to print the image while maintaining the separation of the original black which is therefore always printed as a pure color, so without any mixing with the four-color process, when the file consists of graphic elements of pure black.
- **Anti aliasing:** Allows a better visualization of the image when lines and curves are represented on the monitor, this function is only visual and does not affect printing.

- **No margin PS:** this function is to be enabled if you want to print a PDF keeping the same margins of the sheet, apply this option if you want to print texts or images that have margin on the source sheet and you want to keep the same proportions.
- **Print film:** This function is reserved for the technical department.
- **Quick preview:** This function is reserved for the technical department.
- **Pdf raster 1.2:** Apply this function if you are having problems in the printing phase.
- **Dpi max:** This is the maximum file rasterization resolution. It is advisable to keep the 300dpi, it should be borne in mind that if a file is vector it is not rasterized but is treated in native format directly on the printer driver.
- **Num of Task:** This function is applied automatically by the software. It is possible to manually increase or decrease the number of tasks that will engage the processor in calculating software operations (it is better not to go beyond 50% of the number of physical cores present in the system).
- **Local paths:** It is recommended to activate this function if the files to be printed are on a local or external network, enable a download and copy function of the file on the local disk before processing to avoid a possible interruption of the data flow during printing.
- **Thumbnails Resolution:** Window that allows you to adjust the quality of the preview of the file loaded on the editing table, you can choose between Low, Medium and High. There is also the button "Delete all previews" that allows you to delete the cache of previews already played to force the reading of the files and free up memory.
- **Spot color generation:** This function is reserved for the technical department.
- **Server:** This function is reserved for the technical department.
- **Unit of measure:** With this function you can choose whether to work in cm. o inch (American).
- **Data Base:** Here you can choose the number of jobs to be stored within the program, this function must be set according to the hardware available and the frequency of repetition of some jobs. For example, if you set 50 jobs, the 51st job will replace the number 1.

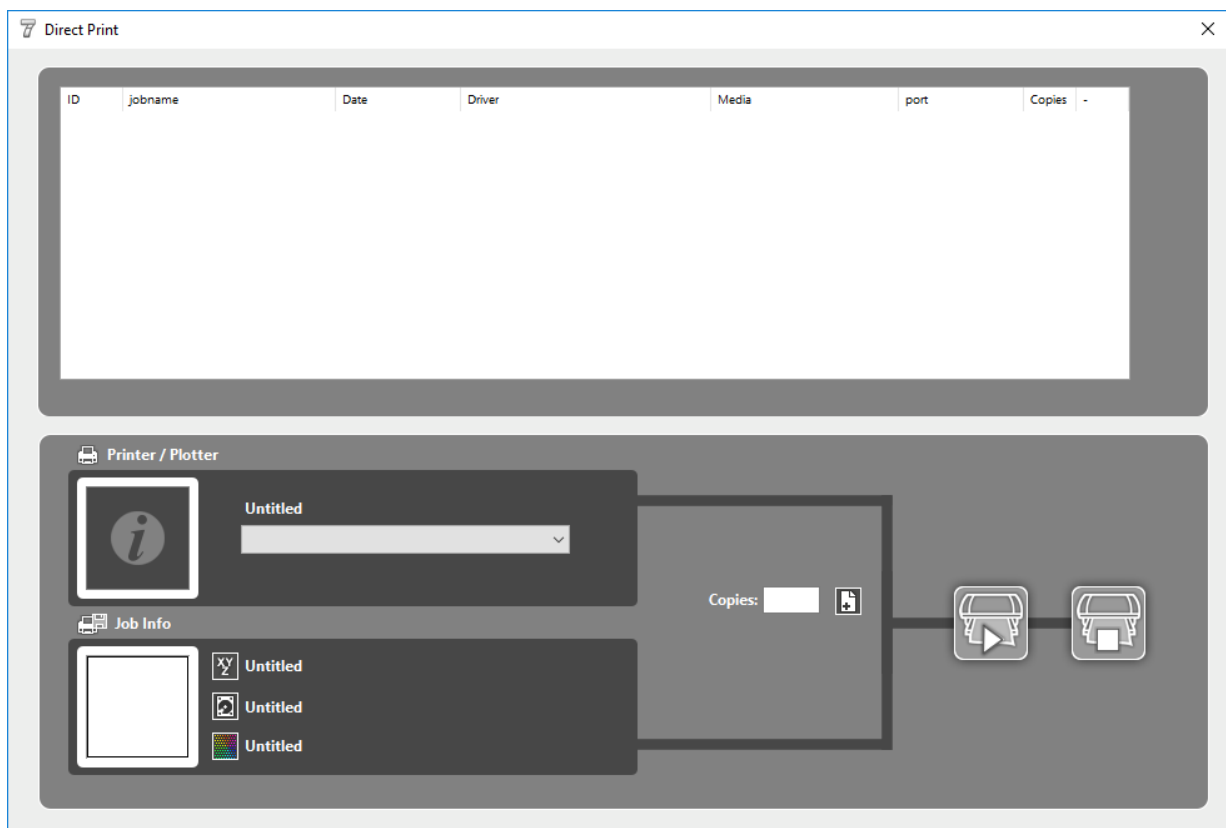
2) Menu Print



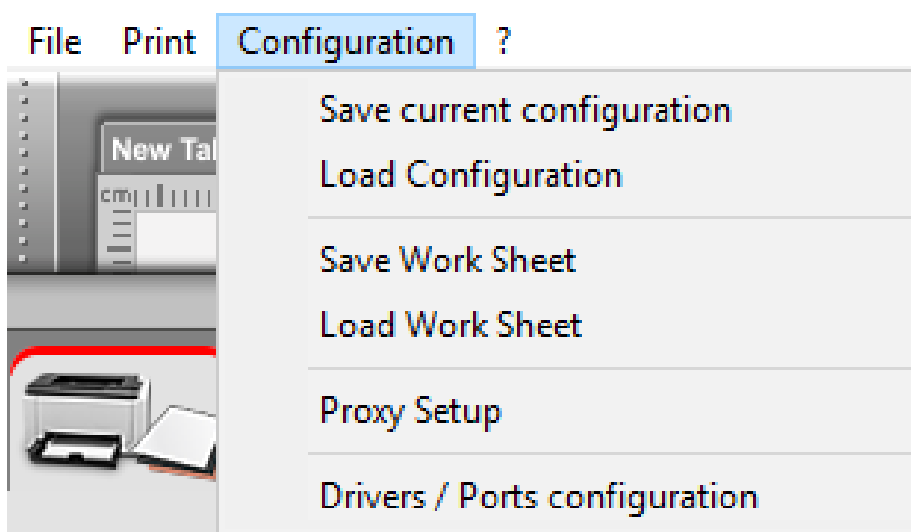
Print the current job: This function allows you to directly open the print window where you can set the settings for printing the document.

Print Default Palette: Function only valid for special drivers for printing with Palette.

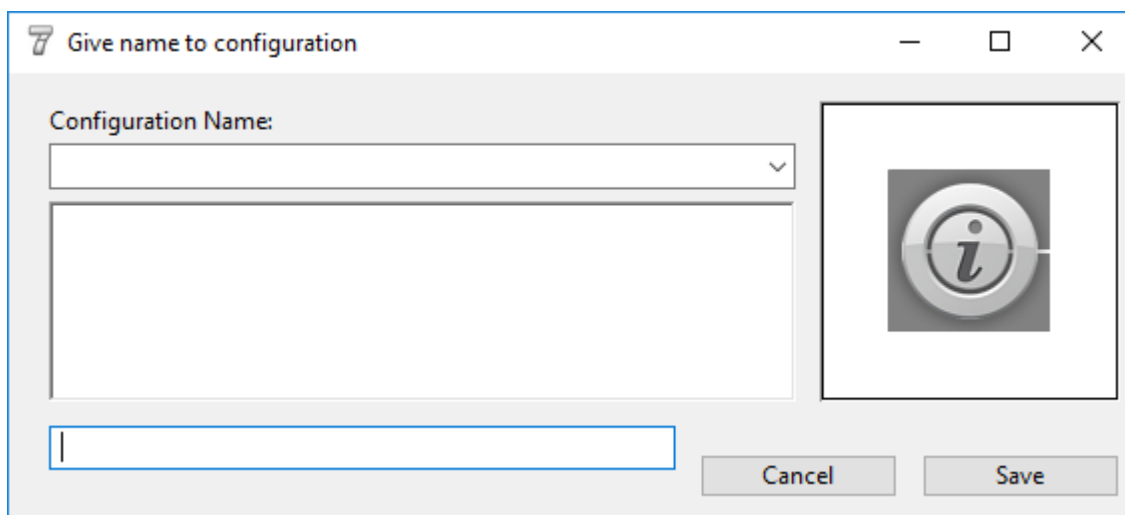
Direct print: This function allows you to directly print a stored job already executed with the same settings and characteristics previously printed.



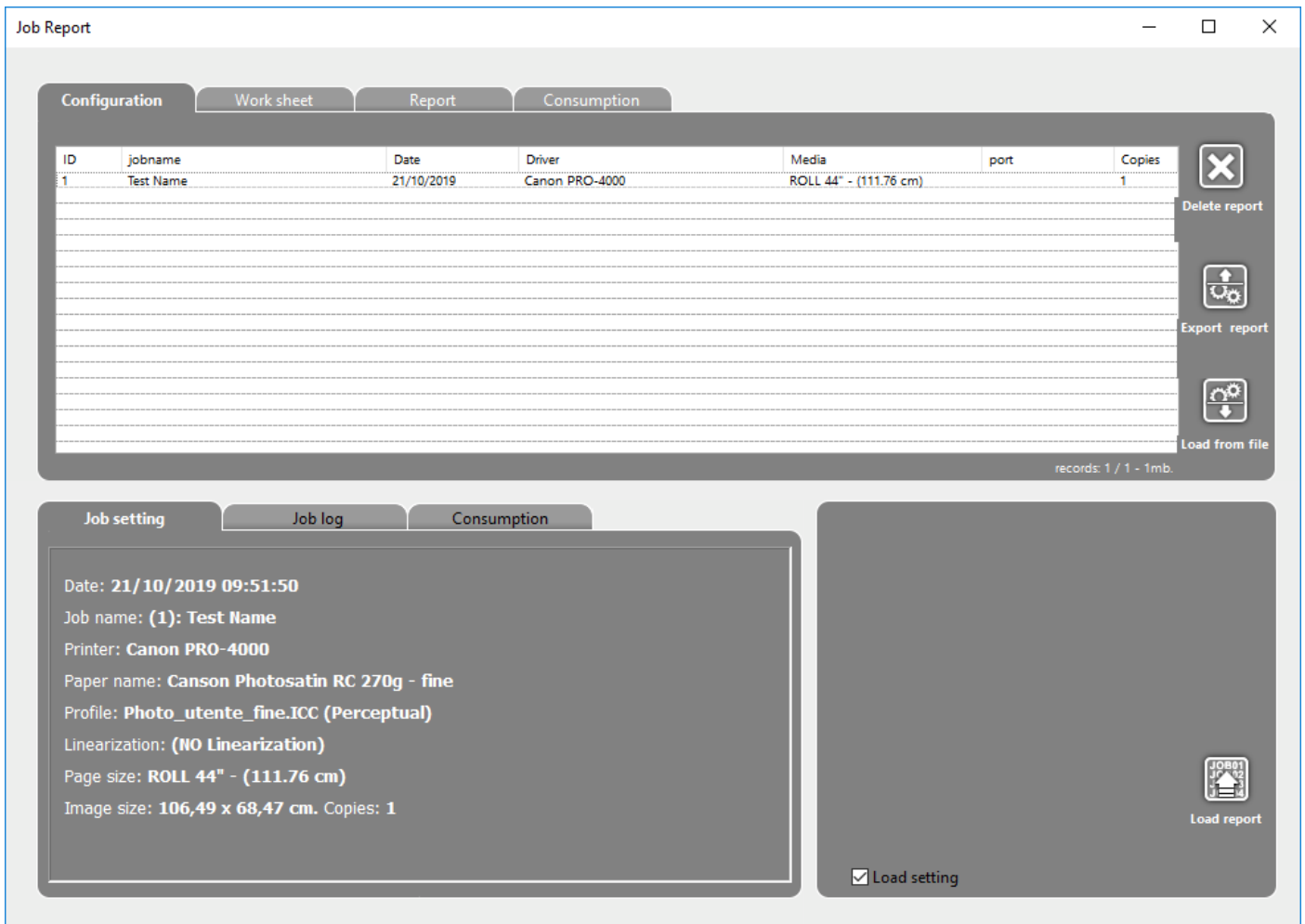
3) Menu Configuration



Save current configuration: You can configure preference settings and settings on the program. This function allows you to name and save the personalized settings made to easily recover your frequently used favourite settings.

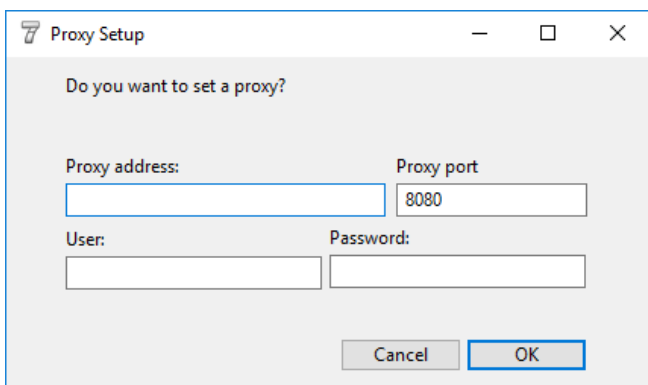


Load configurations: Allows you to load the previously saved configurations, just choose from the name of the previously saved configuration to recall the saved data.



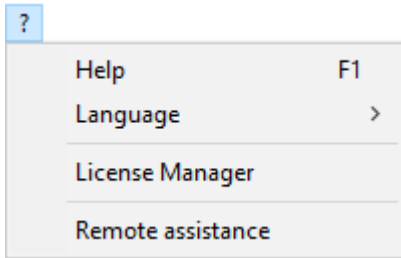
Save worksheet: This function allows you to save the assembly table with all its contents in order to be recalled in a new processing using the Load worksheet **command**.

Proxy configuration: Allows you to set the values of a Proxy path for connection from external or internal servers protected by User and Password; this advanced function is generally set by the network technician.



Driver / Port configuration: Recalls the settings of the installed printer driver in order to manage default functions and settings.

4) Menu “?” (Help and Assistance)



Help: This button allows you to load a guide in PDF format to understand the main functions and how to use the software.

Language: Allows you to define the desired language.

The program sets itself automatically based on the language of the operating system. If you wish to change the language you can do it from this window, you will still need to close and restart the program.

License management: This button opens a window useful for the customer to know the serial number of his key / license, the expiration date of technical assistance and the modules activated on the same license.

Remote assistance: This function opens a panel which allows the technician to connect to the customer's computer.



It will be necessary to provide the operator with the displayed ID number and Password. By communicating this data, the operator performing the assistance will be able to access the customer's computer to provide the necessary support to the customer.

Detail and Functions of the Tool Bar graphic menu



1

2

3

4

5

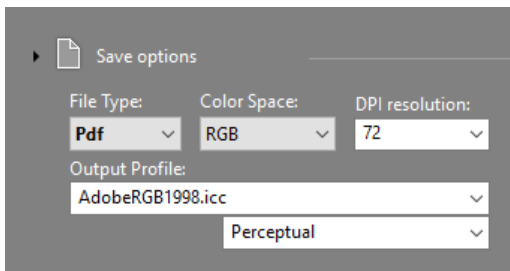
6



Button 1 "New Table": This command has the function of creating a new assembly table, each table can have multiple pages to work on, it is possible to create a assembly table and insert multiple pages using the "+" command and move from one page to another using the arrows at the bottom left.



Button no. 2 "Open": Allows the opening of the file upload window. It is possible to scroll within the storage paths on the local or network computer that allow the choice and loading of the document on the assembly table.



Button no. 3 "Save": Allows you to save the active job as an image file. Opens a window where you need to specify the file name and the saving path, then the window allows you to make some choices explained here in detail (many functions are common to the print interface).

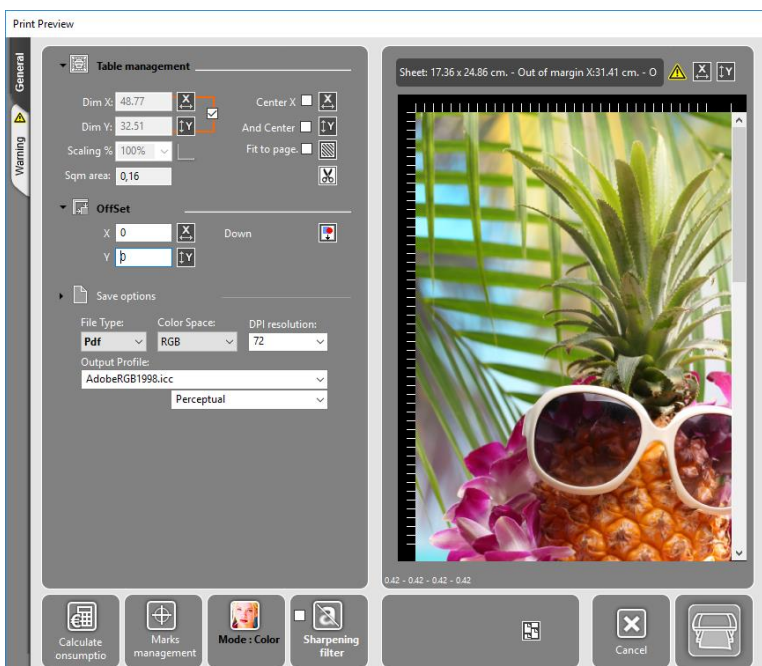


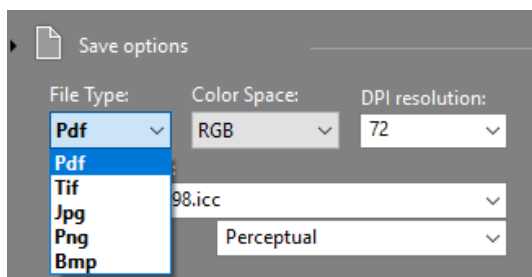
Table management: The file size information is shown in the upper part of the image in size form, this information cannot be changed and is used by the user as a reference for the processed file.

Offset: Allows the choice to save one or more pages (if they are present in the editing table). The user can choose whether to save:

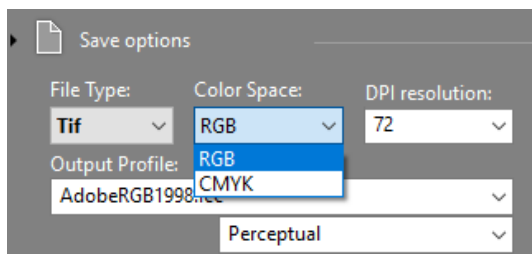
- all pages (All pages),
- a sequence from one specific page to another (From / To),
- or just the current page.

In the case of a sequence, you can choose whether to export only the **Even** or **Odd** pages.

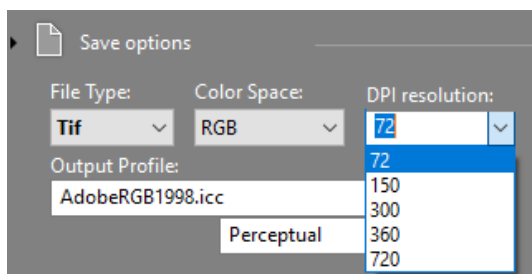
Save options: This section is very important because it allows the choice of fundamental parameters.



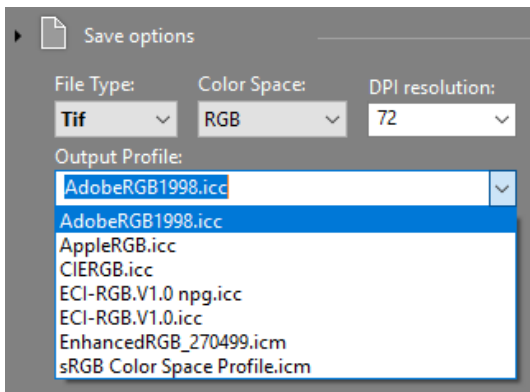
File type: Allows you to choose the format of the file to be saved; saving in Tif format is recommended.



Color Space: Choose the color mode between RGB and CMYK.

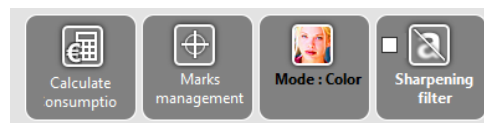
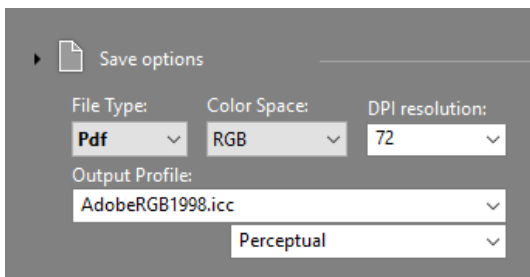


DPI Resolution: Choose the resolution to be applied to the file being saved. If the file was created in high resolution, we recommend choosing 300 Dpi.



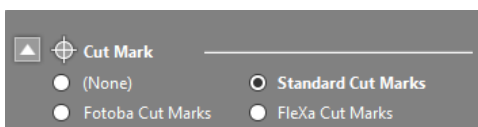
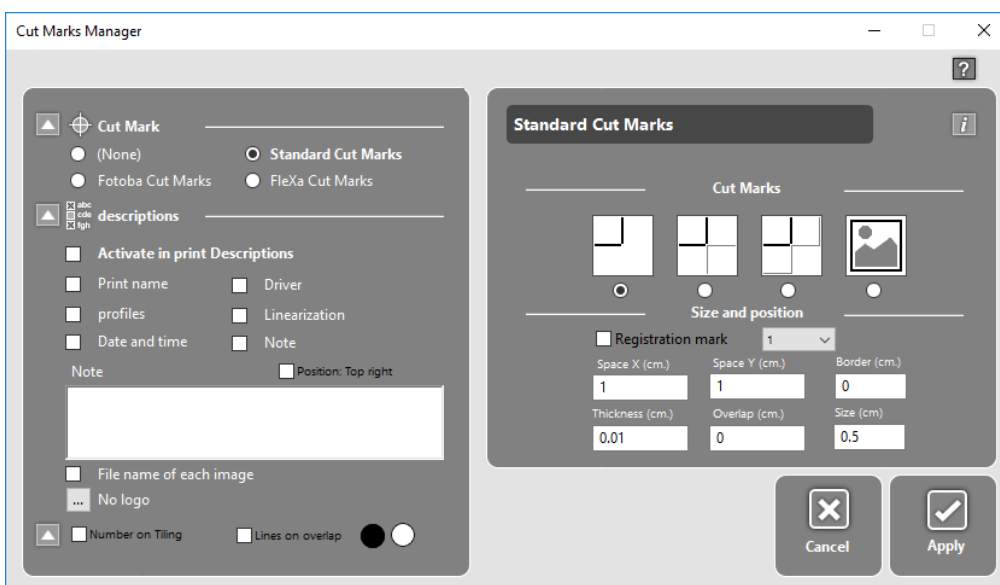
Output profile: This parameter assigns the output profile of the image, AdobeRGB1998.icc is generally used.

Rendering intent: Here you can choose with which intent to save your file, associate perceptual intent (Perceptual) if the file is a photographic type file, Relative Colorimetric if there are spot colors or the file is a vector.



Saturation and absolute colorimetric are recommended only on printers with high color gamut.

Marks Management Menu: It is a window for managing the options of the cutting marks and registration marks. In the following window you can also enter job details in the save file.



Mark type: Allows you to choose the mark mode to be added to the print, in the box on the right you can choose the mark type, adjust its length, thickness and size.

Descriptions: It is possible to activate during the saving phase to subsequently print the following parameters.

☐ **Activate in print Descriptions**
☐ Print name ☐ Driver
☐ profiles ☐ Linearization
☐ Date and time ☐ Note
 Note ☐ Position: Top right
☐ File name of each image
 No logo
☐ Number on Tiling ☐ Lines on overlap

Enable print descriptions: Print the file description.

Print Name: Print the name of the file.

Profiles: Print the name of the profile associated with the image.

Date and time: Date and time of printing.

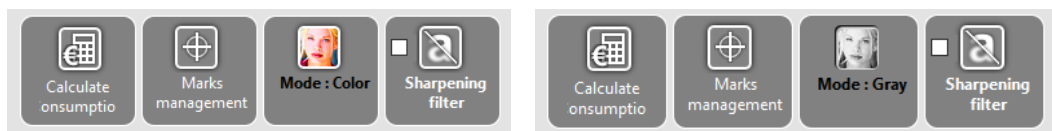
Driver: Name of the driver used for printing.

Linearization: Name of the associated linearization al driver.

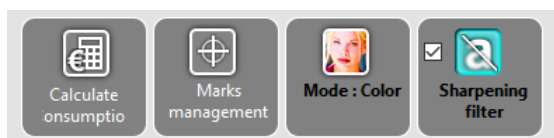
Note: Any notes personalized by the user.

Returning to the previous screen you will find, among other functions:

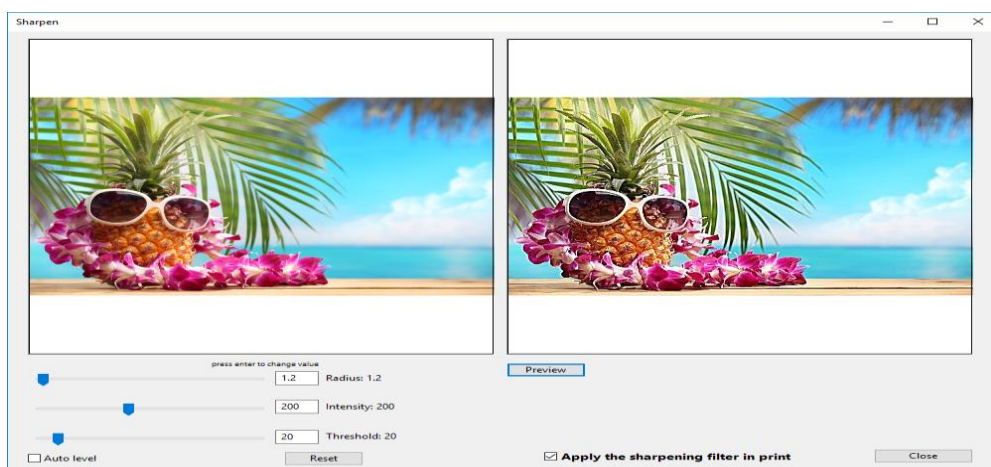
Color mode: Allows saving the file in color or in grayscale.

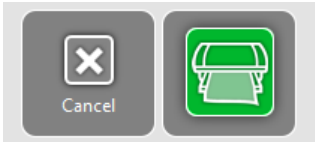


Sharpness filter: This function allows you to improve the image by adding contrast at the user's discretion



By moving the cursors and enabling the preview, you can see the changes that are made to the image, once the changes have been made, tick the flag on Apply the sharpness filter in print and press Close.



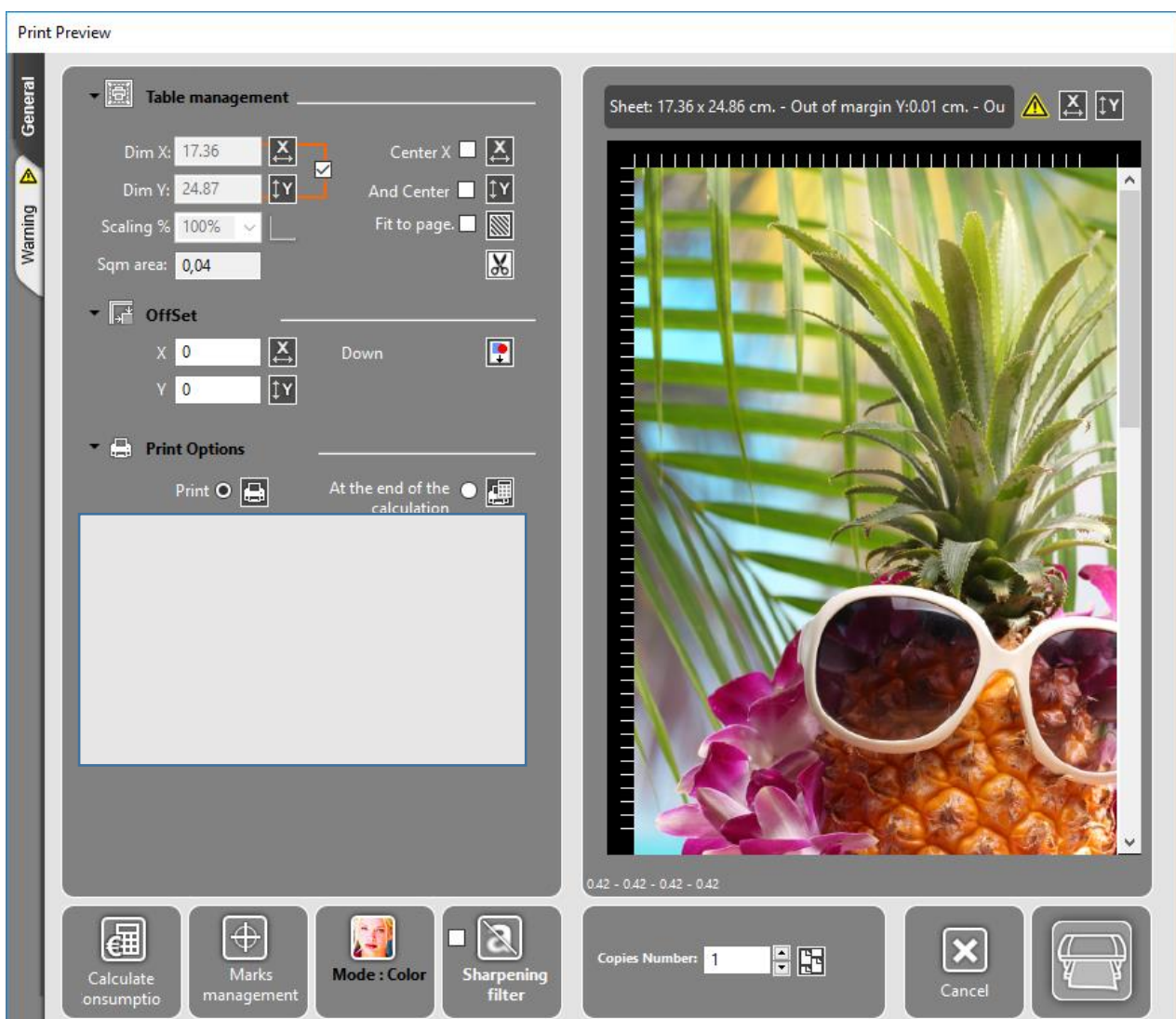


Once the saving choices are finished, press the "printer button" to save the file or press Cancel to cancel all the changes.

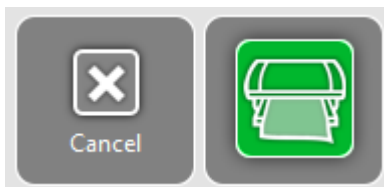


Button 4 "Print": Allows you to access the print preview window, through which you can set the number of copies, the size of the document and activate other corrections before proceeding with printing.

In addition to the save window described in the previous chapter, the print has the panel:



If, on In addition, there is a text box where you can enter the details of the print, useful for managing orders.



Pressing the "button with the printer" the file will be send to the printer, pressing the button with the "X" (Cancel) the process will be canceled.



Button no. 5 "Job Report": Allows access to the "Job Report" window.

Job Report

Configuration Work sheet Report Consumption

ID	jobname	Date	Driver	Media	port	Copies
16	(1) church-window-2217785.png	21/08/2020	Xerox VersaLink C8000W	A4 (210 x 297 mm)		1
15	(1) church-window-2217785.png	21/08/2020	Xerox VersaLink C8000W	A4 (210 x 297 mm)		2
14	(1) church-window-2217785.png	20/08/2020	Xerox VersaLink C8000W	A4 (210 x 297 mm)		1
13	(1) church-window-2217785.png	20/08/2020	Xerox VersaLink C8000W	A4 (210 x 297 mm)		1
12	(1) church-window-2217785.png	20/08/2020	Xerox VersaLink C8000W	A4 (210 x 297 mm)		1
11	(1) Tigre.pdf	20/08/2020	Xerox VersaLink C8000W	A4 (210 x 297 mm)		1
10	(1) Tigre.pdf	20/08/2020	Xerox VersaLink C8000W	A4 (210 x 297 mm)		1
9	(1) cartolina test bianco.pdf	20/08/2020	Xerox VersaLink C8000W	A4 (210 x 297 mm)		1
8	(1) cartolina test bianco.pdf	20/08/2020	Xerox VersaLink C8000W	A4 (210 x 297 mm)		1
7	(1) cartolina test bianco.pdf	20/08/2020	Xerox VersaLink C8000W	A4 (210 x 297 mm)		1
6	(1) Volto.pdf	20/08/2020	Xerox VersaLink C8000W	A4 (210 x 297 mm)		1
5	(1) taxi.jpg	20/08/2020	Xerox VersaLink C8000W	A4 (210 x 297 mm)		1
4	(1) man-852768.png	20/08/2020	Xerox VersaLink C8000W	A4 (210 x 297 mm)		1
3	(1) man-852768.png	20/08/2020	Xerox VersaLink C8000W	A4 (210 x 297 mm)		1
2	(1) CGS Testchart Color .pdf	20/08/2020	Xerox VersaLink C8000W	A4 (210 x 297 mm)		1
1	(1) CGS Testchart Color .pdf	20/08/2020	Xerox VersaLink C8000W	A4 (210 x 297 mm)		1

records: 16 / 16 - 0mb.

Job setting Job log Consumption

Date: 21/08/2020 16:19:48
 Job name: (16): (1) church-window-2217785.png
 Printer: Xerox VersaLink C8000W
 Paper name: Black Paper - Quality Max
 Profile: RGB_000000_Black1.ICC (Perceptual)
 Linearization: lin_23-09-2019_200_White1.dev
 Page size: A4 (210 x 297 mm)
 Image size: 17,07 x 28,70 cm. Copies: 1

Load Images
 Load setting

Load report

In this screen there are many data, including: Configuration, Worksheet, Report, Forecast of consumption and the list of all the work carried out.

Job settings: all information useful for printing is present: Date, name of the job, type of printer used, name of the paper, output profile and rendering intent, linearization of the paper page size and image size.

Job Log: It is an important part for technical assistance, it indicates the status of the printer and the print jobs.

Consumption: This window provides an estimate of the costs incurred for the loaded print taking into account the quality and quantity of toner set at the time of printing.



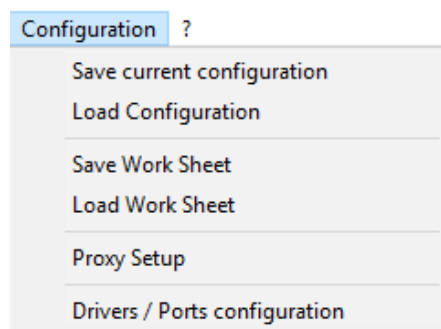
Button no. 6 “Hot Folder”: One of the most convenient functions in the advanced versions of PSPrint is the possibility of using the Hot folder function.

A Hot folder offers the ability to automate print jobs to distribute and streamline the print job. It can be used to perform team work or to distribute it on various printing devices.

The operation, in short, allows direct printing of files that are stored in designated folders and shared by the computer on which DEV PSPrint is installed.

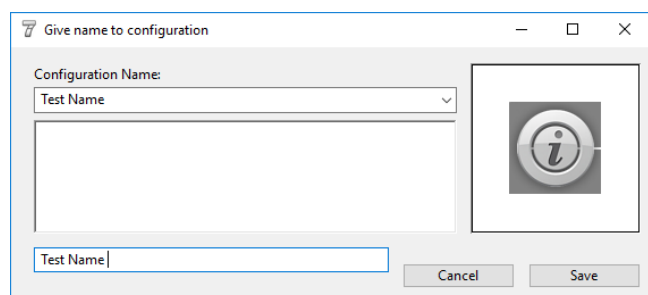
Virtual Printers are the same folders, transformed into shared printers, which can be easily shared with colleagues in the local network in order to print directly from an application.

Creating a Hot folder or Virtual Print coincides on the principle of operation, so we will limit ourselves by talking only about the Hot folders.



The first step in creating a Hot folder is to save a configuration, as explained in the previous chapter.

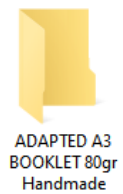
It is good to specify that when a configuration is saved, as in the images above, all the parameters, the printer settings, the print quality, the driver, the profile used, the options set, the settings of the Image and Pagination panel, are saved.



In order to correctly set up a Hot folder, you need to keep in mind what you want to achieve, from simple automatic printing to automatic processing of business cards, etc.

The second step requires creating and selecting the folder that will be shared.

For convenience, we strongly recommend using the same descriptive terms for all steps, in order to maintain order in the identification process.



A practical example is to create a paper called 80gr. Handmade, make an A3 Booklet with adaptation to the page and save it as "ADAPTED A3 BOOKLET 80gr Handmade" and name in the same way the folder that will be used as the Hot folder.

The screenshot shows the 'MF Untitled' configuration window. It has several sections: 'Hot Folder Name' with a text box containing 'Test HotFolder'; 'Path' with a text box containing 'C:\Users\Utente\Documents\Updater\' and a browse button; 'Configuration' with a dropdown menu showing 'Test Name 3' and checkboxes for 'Multi format selection', 'Tiling image', 'Auto execution' (selected), and 'Manual execution'; 'Execution method' with radio buttons for 'Print after' (60 seconds), 'Print when fill area' (100% fill rate), 'Every' (1 image), and 'By sub folder', plus a 'keep picture' checkbox; and 'Virtual Printer' with a checkbox and 'Queue: IPXX1'. A 'Reset Report' button is also present. At the bottom are 'Cancel' and 'Apply' buttons.

Hot Folder Name: It is the name we want to give to our Hot folder.

Path: It is the chosen path of the shared folder where the files to be printed will be placed.

Configuration: Allows the choice from the list of the configuration previously saved based on the work we want to perform and automate.

Multi format selection: Offers the possibility to choose whether to enable multiple print formats based on document sizes.

Auto execution: Process and print files directly without the operator's consent. Everything happens automatically.

Manual execution: Process and print only after having had a manual input from the operator.

Execution method:

Print After: Waits for the selected time before starting the printing process, allowing you to combine all the documents received in that time into a single job. In the example, shown in the image, it will take place after 60 seconds.

Print when fill area: Print only when the useful print area, set during configuration, is full; for example: if you have a 20x30 cm format available as a print area, the process will start only when the entire print area is filled.

Every: Prints when the indicated number of images is reached. In the example shown, the printing starts with every single image in the folder (the value 1 is selected).

Once you have made the desired selections, press the "Apply" button.

Let's now see in detail the icons that distinguish the Hotfolder function:



Button no. 1: Allows you to add a Hot folder setting. Infinite configurations can be added.



Button no. 2: Delete a Hot folder. To delete a configuration, first open the HF folder and then press the "HF-" button.



Button no. 3: Allows you to change the settings set on a Hot folder.



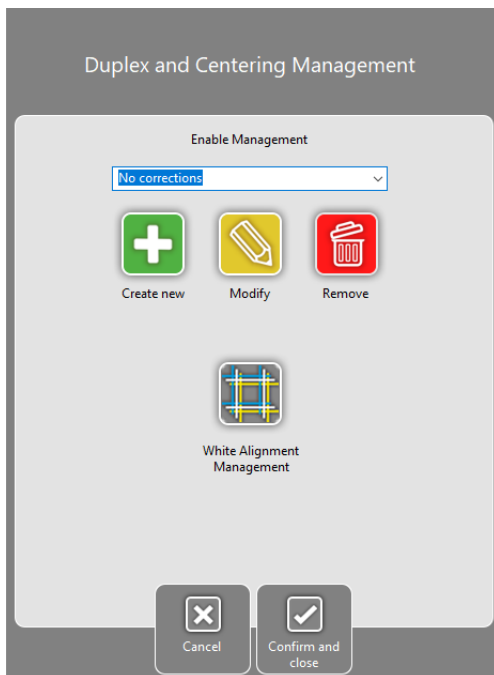
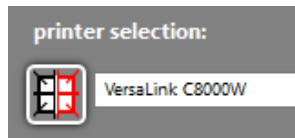
Button no. 4: Print all the documents directly, without waiting for any start rules of our Hot folder



Button no. 5: Allows the opening of a new assembly table on which to save a new configuration for our Hot folders.

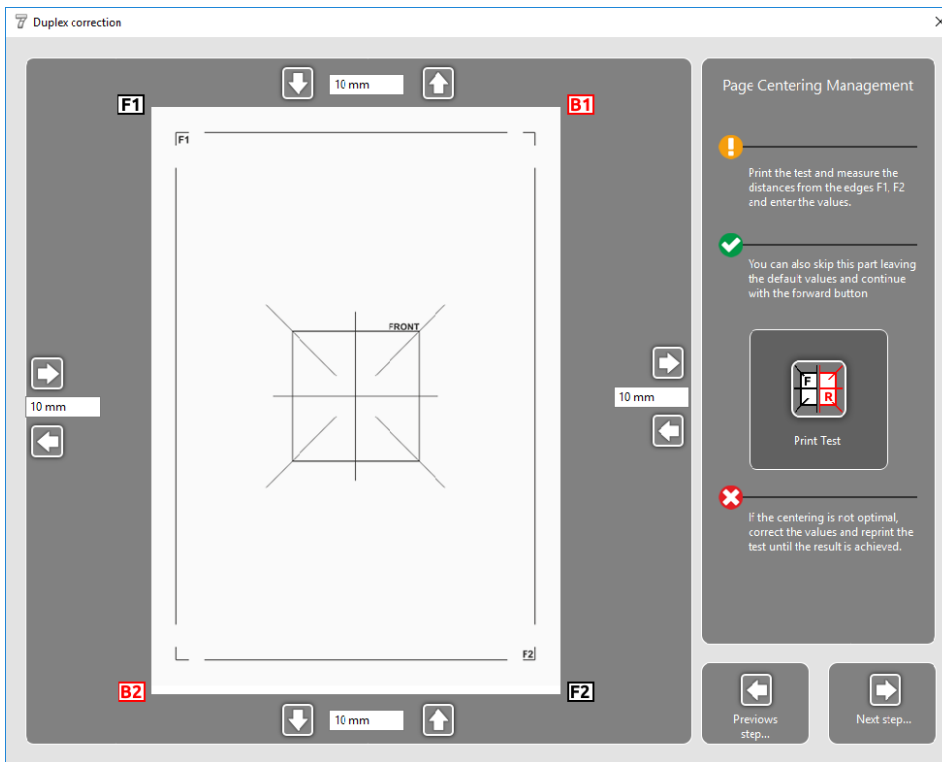
Front and Back Print Calibration:

In some printers with the "Front / Back" printing option, calibration and alignment may be necessary for front and back printing, this operation is carried out using the square button in the figure:



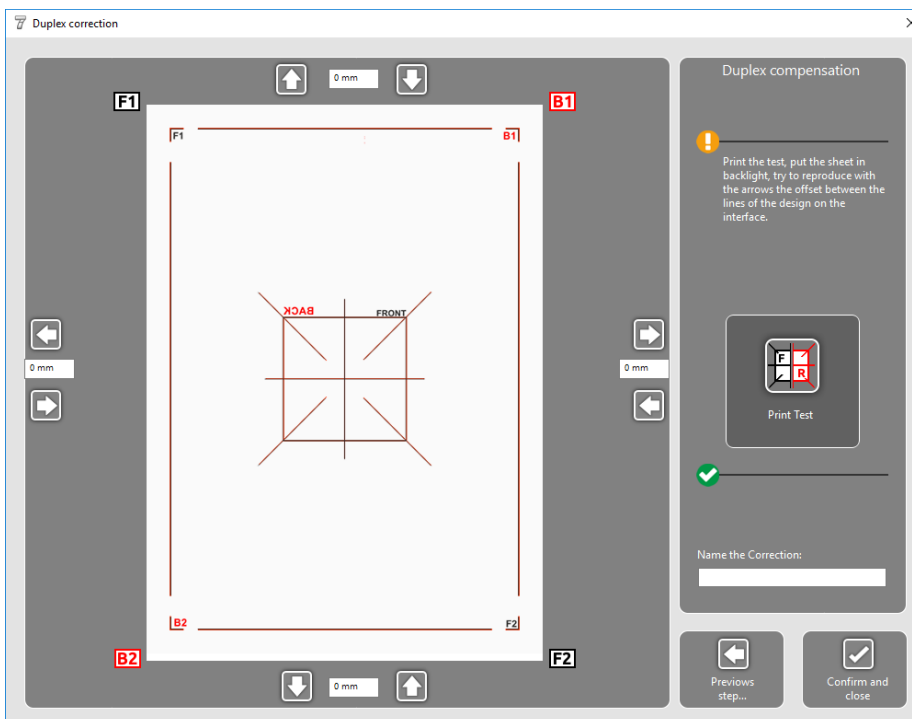
When you open the window, you can create a new correction (**Create new**), modify it (**Modify**), load it (selecting it from the combo box) or delete one already made and saved (**Delete**). It is thus possible to start the wizard that leads the user to the correct calibration of the Duplex printing.

Through the "Front Back" correction window, by printing a test sheet and measuring the distances of the edges, it is possible to enter the values within the configuration window.



The screen opposite offers the possibility to print the check sheet and place it against the light to check for any misalignments (between the front and the back) and possibly enter the values to correct them.

The same defect seen in the print must be reproduced on the screen.



The same defect seen in the print must be reproduced on the screen.

PRINTING METHODS

With The C8000W printer and the BiancoDigitale RIP is it possible to manage different printing scenario depending by the desired application:

- Standard Colour printing on white media -CMYK (where the K is made by process CMY)

Load the document on the working table and choose from the “Paper name” menu “White paper”, now is it possible to print by clicking the print button, the document will be rasterized and sent to the printer.

- Printing with White toner and colours on coloured media.

The file used for this printing method must have the following specs to achive a correct output:

- The document background need to be created with the alpha channel resulting into a transparent background.
- To add white colour as part of the design just use it as a common colour.
- The RIP will parse the document and apply the white automatically under the colours.
- PNG, TIFF and PDF are the best format for this kind of application.
- (Remember to keep the alpha channel when exporting the file)

Load the document on the working table and choose from the “Paper name” menu “Colored paper”, notice that when this particular setting is active a new icon with a white brush will appear on the right top angle of the quick menu as showed below.



Click on the white brush icon and under the setting “Extract white mask” you will notice different extraction criteria:

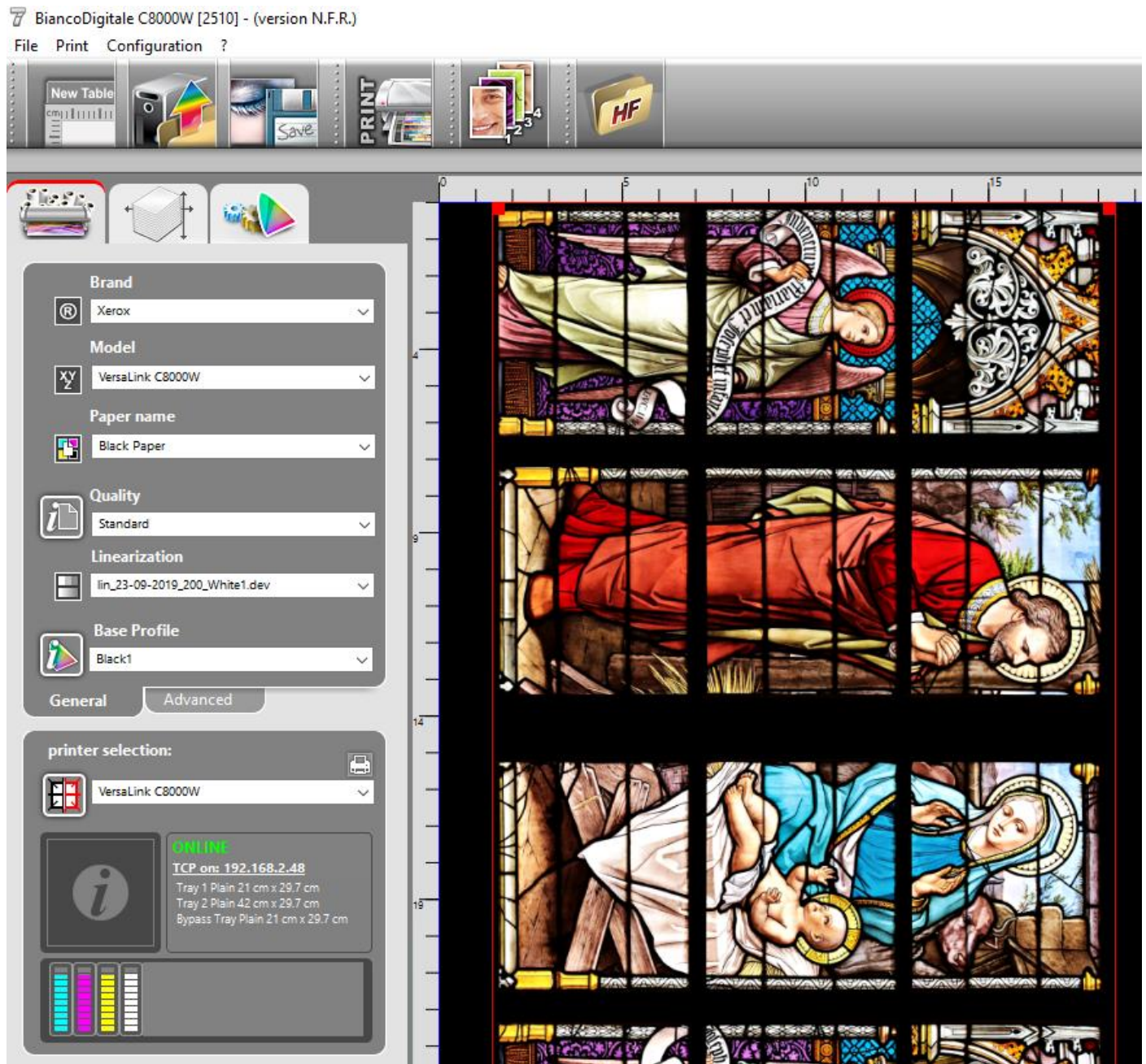
- None (no white toner will be applied)
- Full White (White toner will be applied under the whole image at 100% coverage)
- Transparent with full white (White toner will be applied at 100% coverage only under colours)
- Transparent with levels (White toner will be applied using smart coverage depending by colors density only under colors) Use with Raster file.
- Alpha (White toner will be applied using smart coverage depending by colors density only under colors) Use for vector file.

New BG.A.P.TM features and printing on Black media.

The new BiancoDigitale RIP includes a new exclusive feature.

The possibility of printing using the background color which is called BG.A.P.TM (acronym for BackGround Adaptive Profile) which indicates precisely Adaptive Profile to the background.

To activate it you need to choose from the “Paper name” menu the setting called Black Paper which is the particular case for printing on a black background.



Advantages of technology BG.A.P.™

The peculiarity of this system is the fact that knowing the color of the substrate the print will use it modulated by white as "Black" in the profile menu there will be only one choice linked to the black color.

With BG.AP™ technology declined to black substrates, the grey scale is achieved using only in white, this will be done automatically and it is not necessary to create the ad hoc white mask, the black toner will not be printed and black will be used of the support, and the shade of white to reproduce all the grey levels ..

For best results it is recommended to use RGB images in which black is defined as RGB = 0-0-0 (or Grey in which the maximum black will be = 100), if you use CMYK images it is possible that the black of the image is not recognized as maximum black by the system and therefore it is possible to intervene manually with the black removal function by selecting the color to be eliminated from the image.

To better explain the technology we show an example with the following artwork printed on a black background, as you see the use of white is limited to the lighter colors while those dark or containing the black of the background will be printed directly on the printing background, in this way you will have a more pleasant printing and a considerable saving of toner.



Job list and Image list: These two screens list the jobs being executed and the images that are present in the queue of jobs to be printed.

The Images list lists all the images that will be uploaded to the editing table, if 20 images are uploaded or 20 images are repeated, in this box you will find the list of all the images on the editing table.

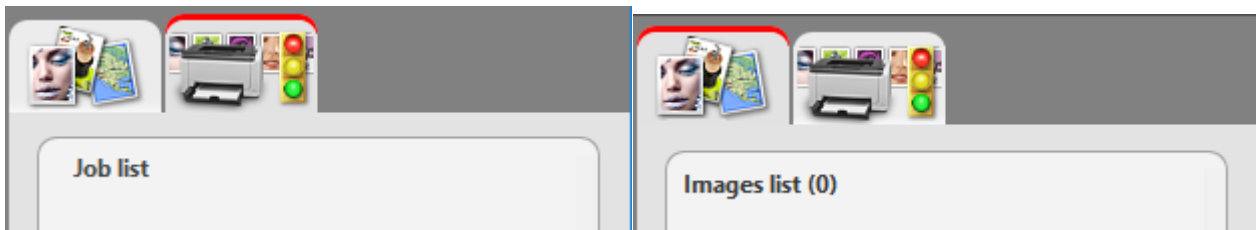
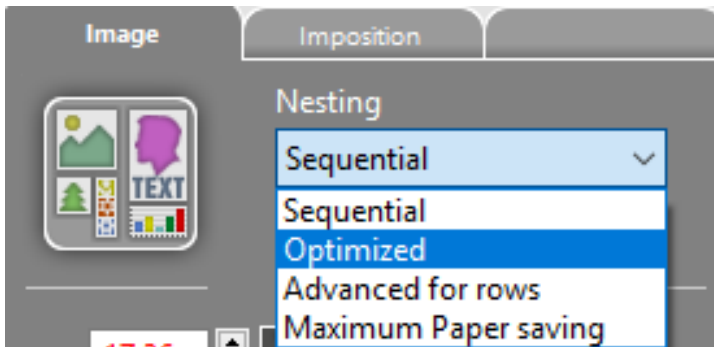


Image tool

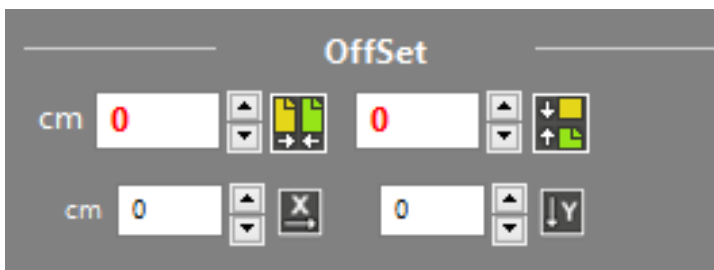
This panel is divided into 4 parts.



1 Type of nesting: Nesting is the software's ability to optimally arrange images. Nesting works according to the values set with the Offset option.

There are 4 types of nesting: Sequential, Optimized, Advanced by rows and Maximum paper savings.

In the Sequential option, the images are analysed sequentially and arranged according to these parameters of the offset.

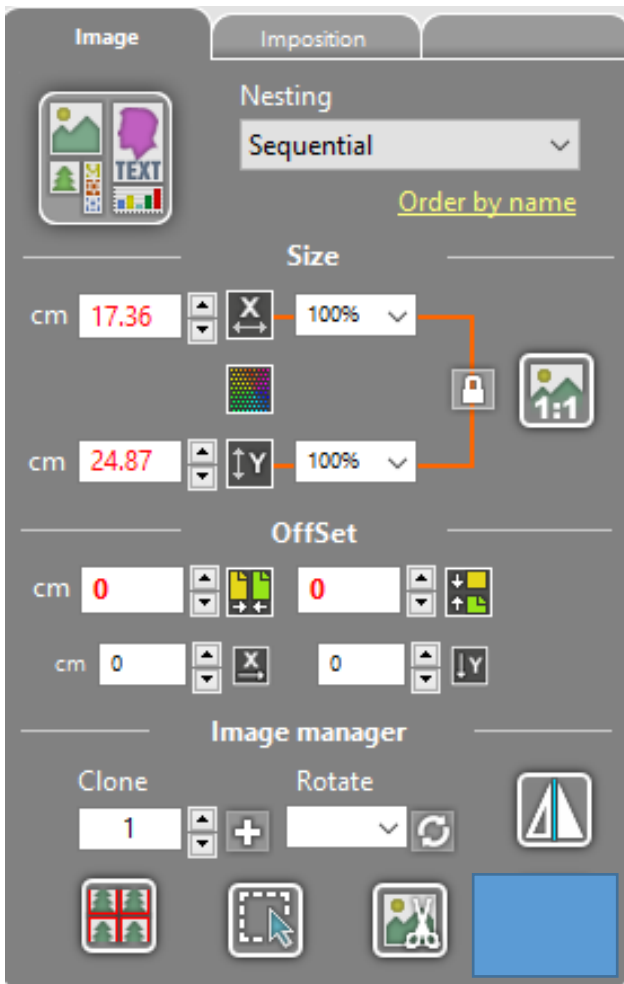


In the Optimized option (as well as in Maximum paper saving) the dimensions of the images are analysed and the space is optimized taking into account also the possible rotations of the images on the assembly table. This option is the most

used when there is no need to maintain the original order or orientation of inserting images on the assembly table.

Advanced by rows analyses and optimizes the images on the editing table one line at a time to facilitate subsequent cropping of the same.

This feature is generally used on large format printers to optimize roll paper.



Size: This window allows you to change the size of the image selected on the assembly table. It is possible to vary the dimensions by entering the measurement directly or by changing the Dpi, choosing whether to keep the proportions or work on the percentage.

The advanced functions are highlighted in the image management window, the Duplicate command allows you to replicate the selected image on the assembly table several times, the Rotate function, allows you to rotate the image in 90 ° steps.



Mirror function: Allows you to reflect the image. It is an option generally used for sublimation printing or for special processing on transparent adhesive films.



1

2

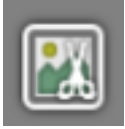
3



The button no. 1 "**Select all**", has the function of selecting all the elements on the assembly table. This function is useful if, for example, you want to move or delete all the elements from the assembly table together.



The button no. 2 "**Select area**", is used to select elements by drawing a rectangle with the mouse.



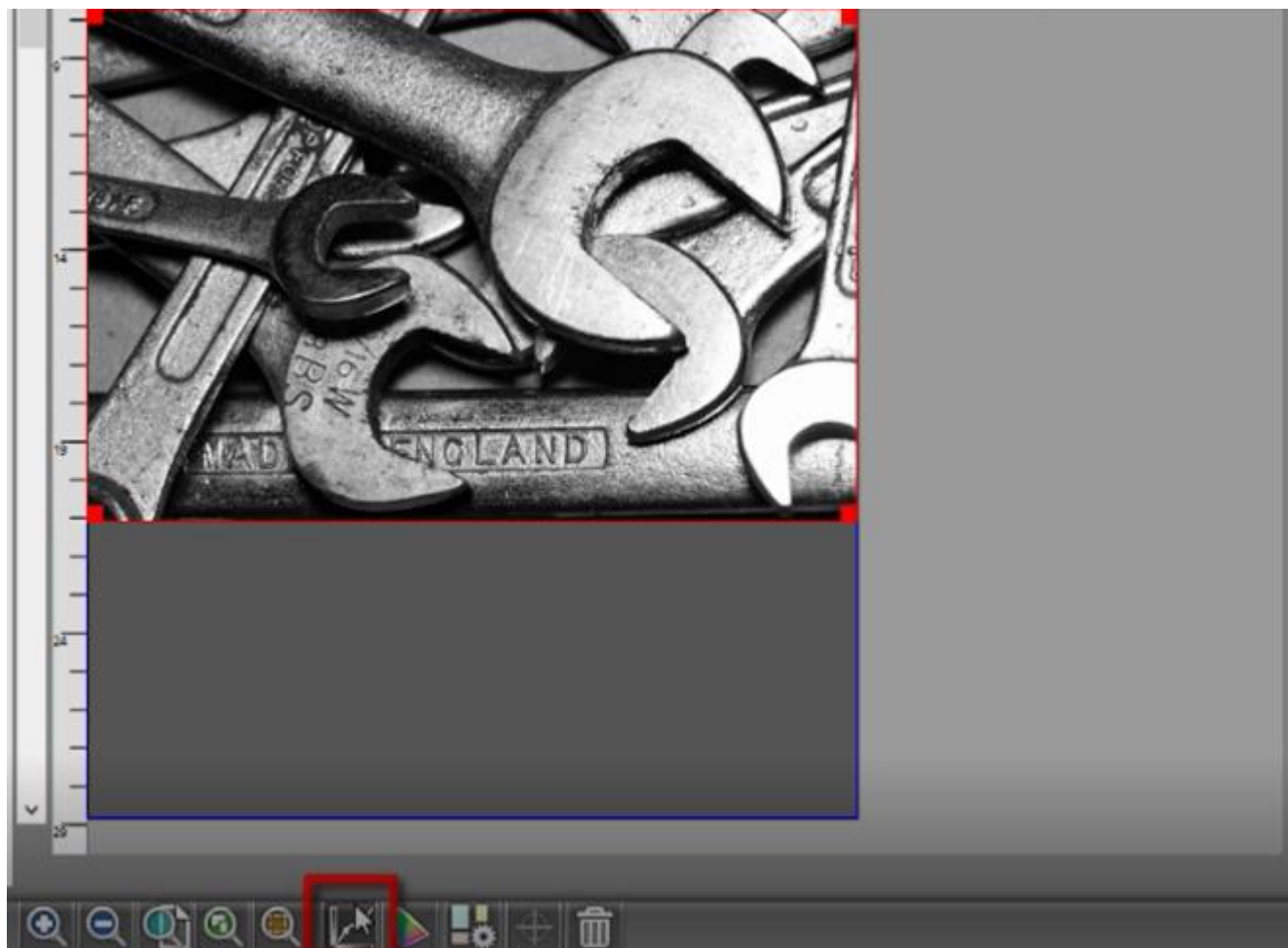
The button no. 3 "**Cutting**", it is necessary to perform various elaborations on the selected image, it opens a panel that offers many functions, including the "crop", cutting images, but it is also possible to develop the mosaic and panelling function. It allows you to divide an image into rows and columns by creating the image panelling.

Colour correction curves

To intervene on the printout it is possible to manually edit the correction curves.



This is the function that allows you to correct brightness and contrast through a curve that can be global on all colors together or individually on each color independently.



It is possible to make corrections in the dedicated window which will then be activated in printing and as all operations on the program will be stored in the report or in the program saves so that they can be recovered for reprinting in the same way.

All trademarks are registered and belong to their respective owners.

The information and data contained in this documentation and software are subject to change without notice.