SYSTEM
SOFTWARE K

KIP ImagePro User Guide

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1 Introduction

KIP ImagePro is a one-stop, easy to use Software Application for Color and B/W Scan, Copy and Print functions. Standard features include Color and B/W Scan using any KIP 720 or KIP 2300 stand-alone scanner connected to your PC. Try out the Copy and Print functions by downloading Image Pro from any KIP System K printer using only a web browser. Upgrade by keycode to fully enable Copying of mixed sets of Color and B/W documents to KIP B/W or KIP Color systems. The keycode enables a full set of Technical Print tools for printing sets of documents and Graphics functions for Paneling, Nesting and Color Management.

Scan in Color and B/W

Optimize Color and B/W document quality using high production tools to manage image quality adjustments on-the-fly. Scan an Area of Interest, deskew and adjust settings to quickly snap text to solid black and clean up background to reduce processing time and minimize file size. Store documents directly on local, cloud or network storage locations using standard file explorer tools. Feed documents at high speed or reduce scanner speed for delicate originals to produce industry standard single or multipage PDF, TIF, and JPEG files at resolutions of 200 to 600 DPI.

Copy in Color and B/W

For use with KIP 720 and KIP 2300 scanners, KIP Image Pro can produce single copies and collated sets of hard copy technical documents to network connected KIP B/W and Color systems. Easily combine B/W and Color documents in a single job and add digital PDF, TIF, HPGL ½, and JPEG file data prior to releasing the job. Concurrent Copy and Print produces a set of check prints as each document is fed; instantly release multiple sets once the final document is scanned to immediately start production.

Technical Document and Graphic Poster Printing

Simple presets for both Graphic and Technical documents provide easy operation with access sophisticated features. KIP Image Pro utilizes an intuitive print submission application to allow production printing of large groups of B/W and Color Technical documents. Use simple cut/paste or drag/drop functions to quickly organize large quantities of individual and multipage files into the correct print order. Adjust scaling, copy count, media, and print quality settings on a per page basis. Experts will appreciate the professional level Color Management tools to change ICC profiles, switch between color spaces and utilize color exchange functions to produce just the right colors. Advanced functions include selecting an area of interest, optimizing media usage with paneling documents across multiple rolls, or nesting multiple copies on specialty media. Install Image Pro at multiple PC's to access these print functions.

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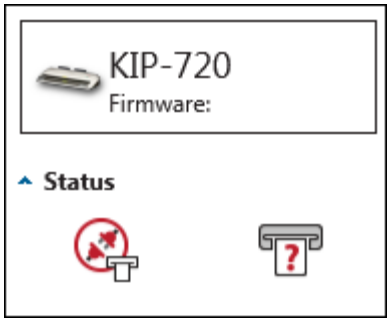
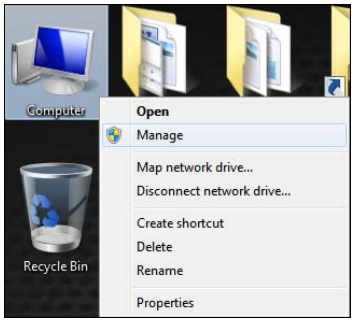
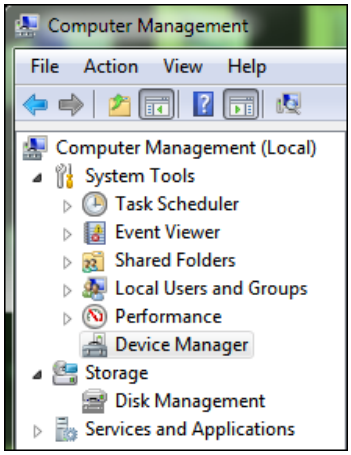
1.1 Installation of Scanner Drivers

It will be necessary to install the necessary scanner drivers on the PC for ImagePro to function properly.

Step	Illustration
If ImagePro does not find a scanner, confirm the following.	
1. ImagePro – Scanner Drivers not loaded. Firmware: Blank Status: No connection Scanner: Unknown	
2. My Computer 1. On the desktop right click on My Computer 2. Select Manage	
3. Select Device Manager	

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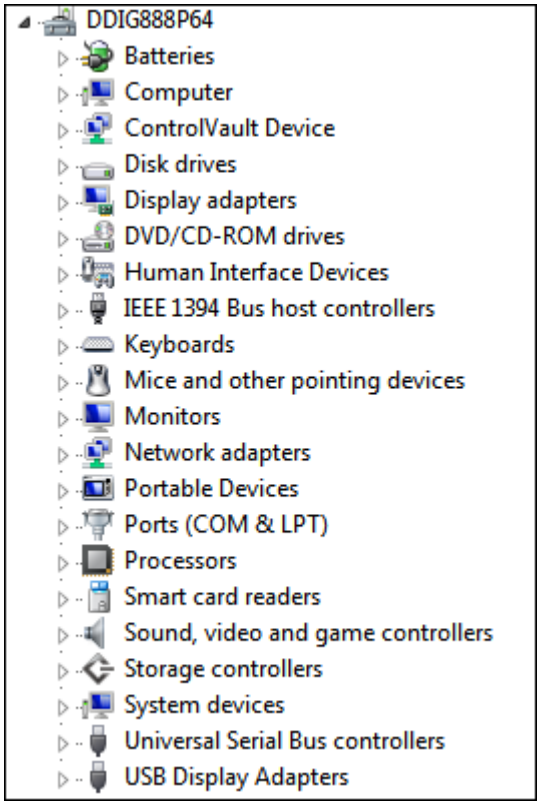
Step	Illustration
4. Devices Middle Panel – There should be a device called “Imaging Devices”. No Imaging Devices exist.	
Follw these steps to install the KIP Scanner Drivers. **Note: this is the same procedure for the 720 (K129) scanner and the 2300 (K121)**	
5. Connect the scanner to the PC through the USB cable.	
6. Turn on the scanner.	

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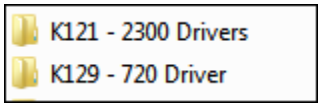
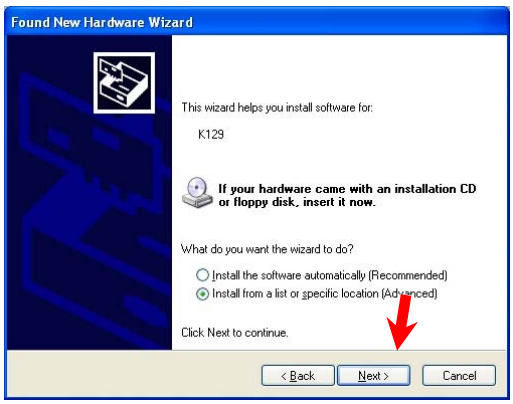
Step	Illustration
7. Found New Hardware Wizard starts. Choose "No, not this time." Next	
8. Insert the Software and Operation Guide DVD to the DVD drive, or put your USB removable storage (with the necessary files in it) to the PC.	
9. Choose "Install the software automatically (Recommended)" and press [Next].	 If the driver software is not detected automatically, select "Install from a list or specific location (Advanced)", and locate either of "stiK129x64.inf" or "stiK129x86.inf". Folder "x64" — stiK129x64.inf — for 64-bit edition OS Folder "x86" — stiK129x86.inf — for 32-bit edition OS

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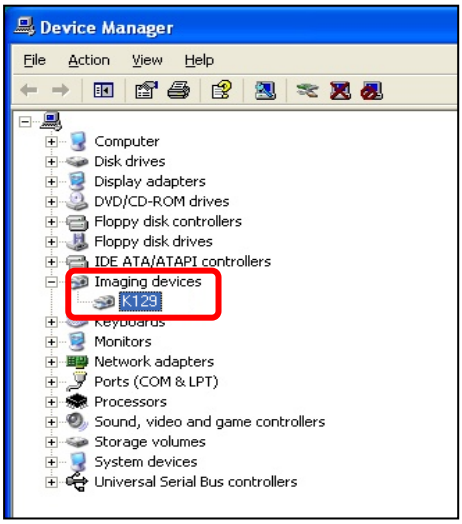
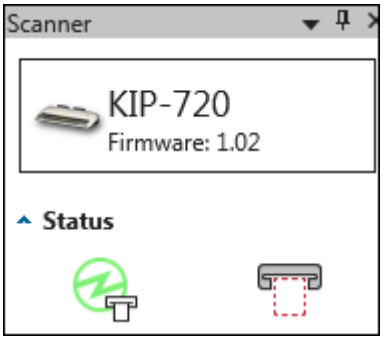
Step	Illustration
10. If the notification for Windows Logo testing appears, press [Continue Anyway].	
11. When the installation is completed, press [Finish].	
12. Open "Device Manager" (Control Panel → System, for example) and confirm that **"K129"** is added under Imaging devices.	
13. ImagePro Connection – Scanner drivers loaded	

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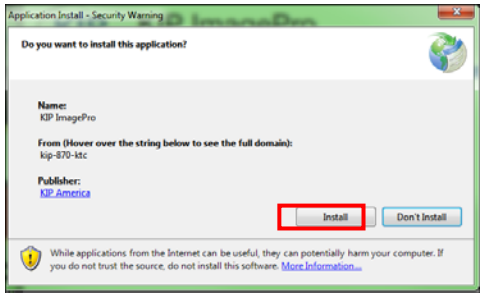
1.2 Installation of ImagePro Software

There are two methods that can be used for installation of the ImagePro Software the first method is the recommended method as it will allow for the automatic update of the software if the KIP printer is updated to a newer version.

The following are general steps of the installation of KIP ImagePro VIA KIP PrintPro.Net (recommended method).

Method 1

Step	Action	Illustration
1.	Open a Browser and Connect to the KIP Printer by Printer Name. Select the Install button.	 **Note:** it is necessary to connect via printer name and not Printer IP Address. DNS Name resolution will be necessary on the customer's network.
2.	The installer will be downloaded and the Setup.exe will be in the bottom bar. Select the Setup.exe	
3.	Select the Install button to begin the software installation	

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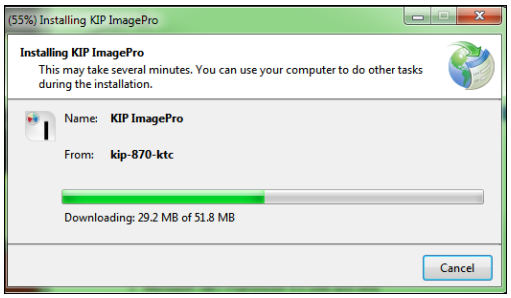
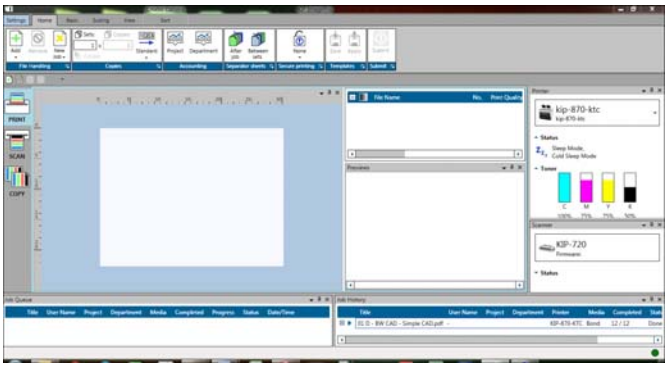
Step	Action	Illustration
4.	The installation will begin and when completed the software will automatically open.	
5.	Splash Screen of ImagePro opening.	
6.	Application open and connected to the KIP.	
7.	**Note:** if the install method used is via Printer Name, if the printer is updated to a newer version of Software the workstations will be update automatically on first launch. How does Auto Update work - What Conditions are needed? 1. DNS Name Resolution on Server - needs to return domain suffix as well. 2. Modify the host file on each workstation - needs to return domain suffix as well. 3. Will only update the SW Automatically if the original printer the software was pulled from is updated. - Tied to the host that SW was pulled from. 4. Under the %appdata% folder delete the PrintPro folder. When this is rebuilt, only the original printer connection will be loaded.	

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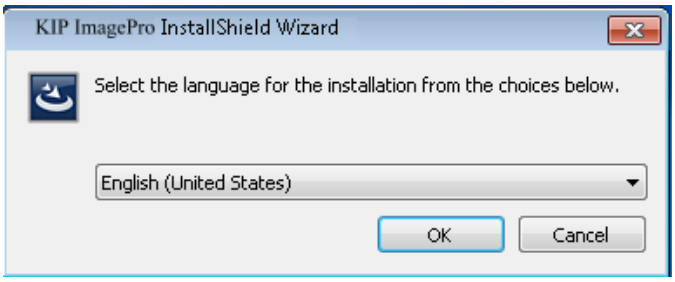
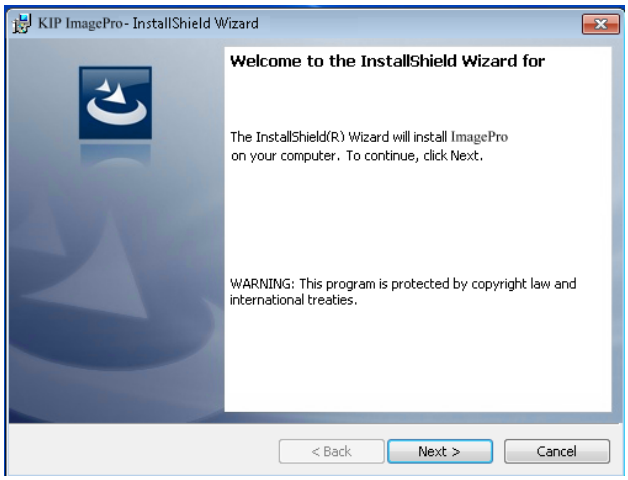
Method 2

The following are general steps of the installation of KIP ImagePro Using the MSI installer. This method of installation does not allow for automatic updates to the ImagePro software. If the KIP printer is updated the workstations will have to be updated to the matching version manually.

Step	Action	Illustration
1.	Double click the installer for the KIP ImagePro and set the desired language	 **Note:** The language of the KIP System must be the same as the PC that the ImagePro is also installed on. As an example, if the KIP System is in the Japanese language then the PC with ImagePro must also be in Japanese.
2.	When the Welcome screen opens select the “Next” button to continue.	

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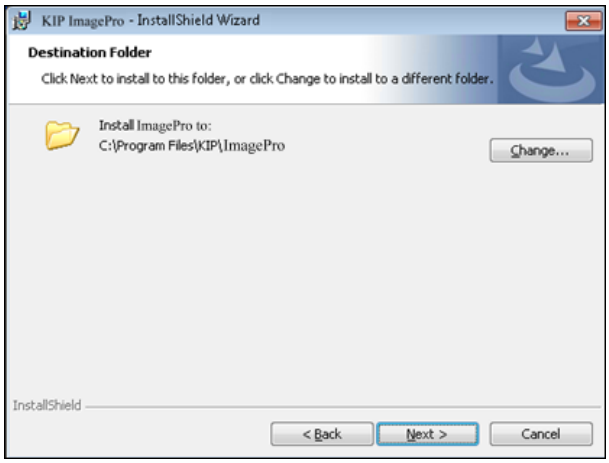
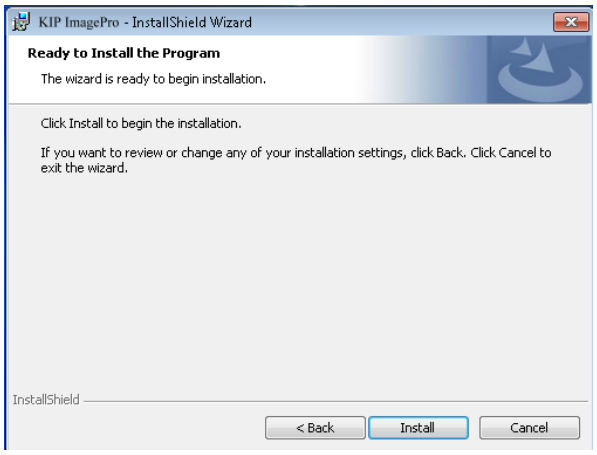
Step	Action	Illustration
3.	The installer will run installing the application. When prompted, accept the terms of the license agreement and select “Next”.	
4.	Select the desired location of the install package or leave this as default (recommended) and select “Next” when prompted.	
5.	Select the “Install” button to begin install.	

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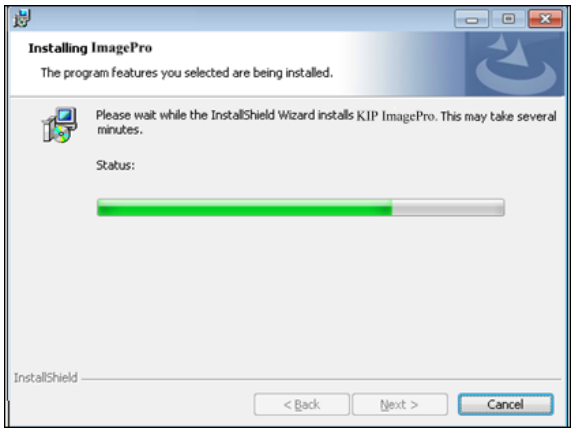
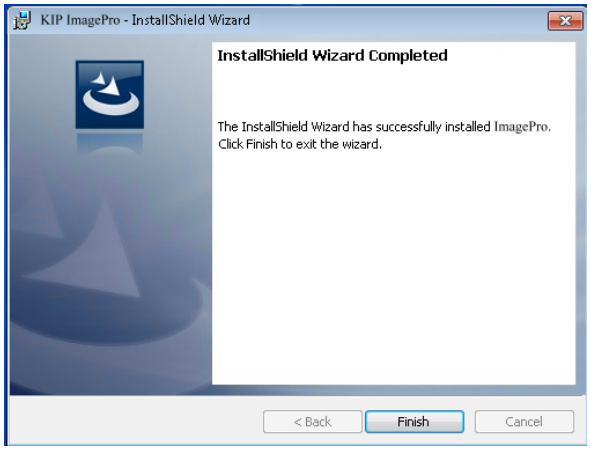
Step	Action	Illustration
6.	The install progress will be displayed.	
7.	When installation is finished select “Finish” to complete the installation.	
8.	The KIP ImagePro shortcut will be placed on the desktop.	

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1.3 Keycode and Activation

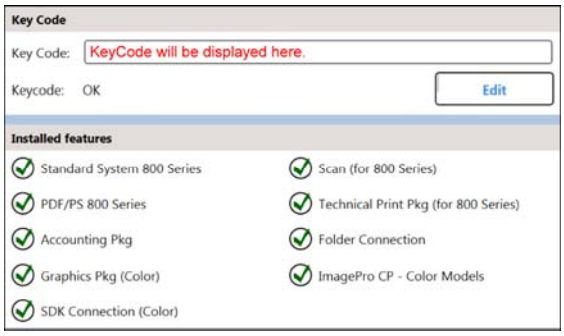
Scanning functions are already enabled on every KIP 720 and 2300 Scanner. Once a System K printer is upgraded to System K 2.0, download KIP Image Pro directly from the web page of your System K Printer. Access the IP address or Printer Name and select the icon to access the Software and Drivers.

For KIP Scanners that are independent of KIP System K printers, the scan functions are still fully available. Obtain the KIP Image Pro software from the KIP website and install the application on the PC attached to KIP 720 or 2300 Scanner. No keycode is required for Scan functionality.

Purchase the Graphics Package keycode through your KIP Dealer to enable the KIP Image Pro Copy and Print functions. When this keycode entered on the network connected System K Printer or MFP, the Copy and Print functions are instantly available.

KIP Print Pro NET (download KIP Image Pro)

System K Printer with Graphics Pkg Keycode



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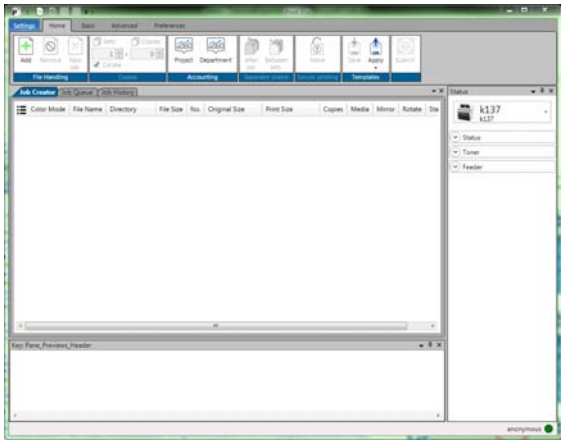
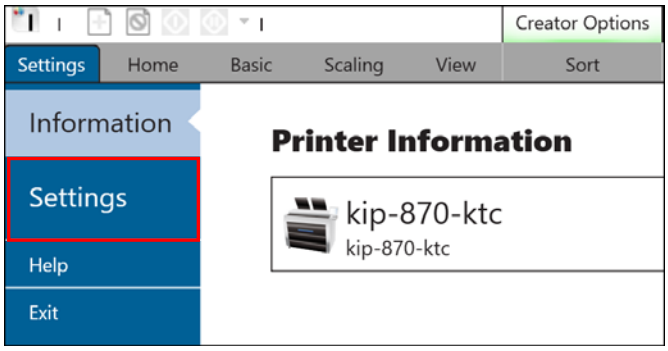
1.4 How to Enable Expanded Mode.

The KIP ImagePro software once installed by default will be in Standard mode for determining output of the files being printed. Standard mode allows for the selection of Auto, B&W, Gray and Color modes. However, the KIP ImagePro software has an expanded mode that can be turned on for full color options. To enable the expanded mode, do the following:

Step	Action	Illustration
1.	Open KIP ImagePro by double clicking the KIP ImagePro Icon.	
2.	Once the application opens this should be the main screen.	
3.	Select the “Settings” tab.	
4.	Once the settings tab is open on the left side of the screen there will be a new Settings tab. Select this new “Settings” tab.	

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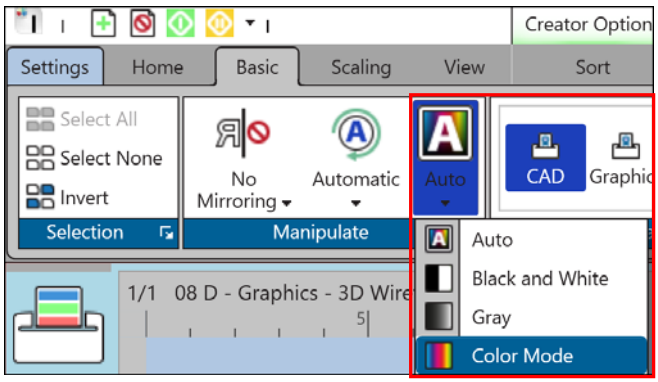
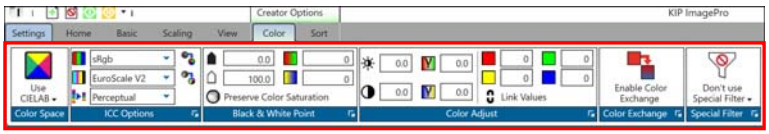
Step	Action	Illustration
5.	Once the settings tab opens, under “Preferences” select the dropdown menu for “User Interface Mode”. Change this from Standard (default) to Expanded.	Default Changed to Expanded
6.	ImagePro – Standard Mode ImagePro – Expanded Mode	Output Options:  Output Options: 

Note: In Print Mode, the following will be enabled in the Advanced mode and disabled in the Standard mode:

- Basic Tab = Tech Label
- Scaling Tab = Offset, Nest, Panel
- Color / B&W Tab = the entire Tab

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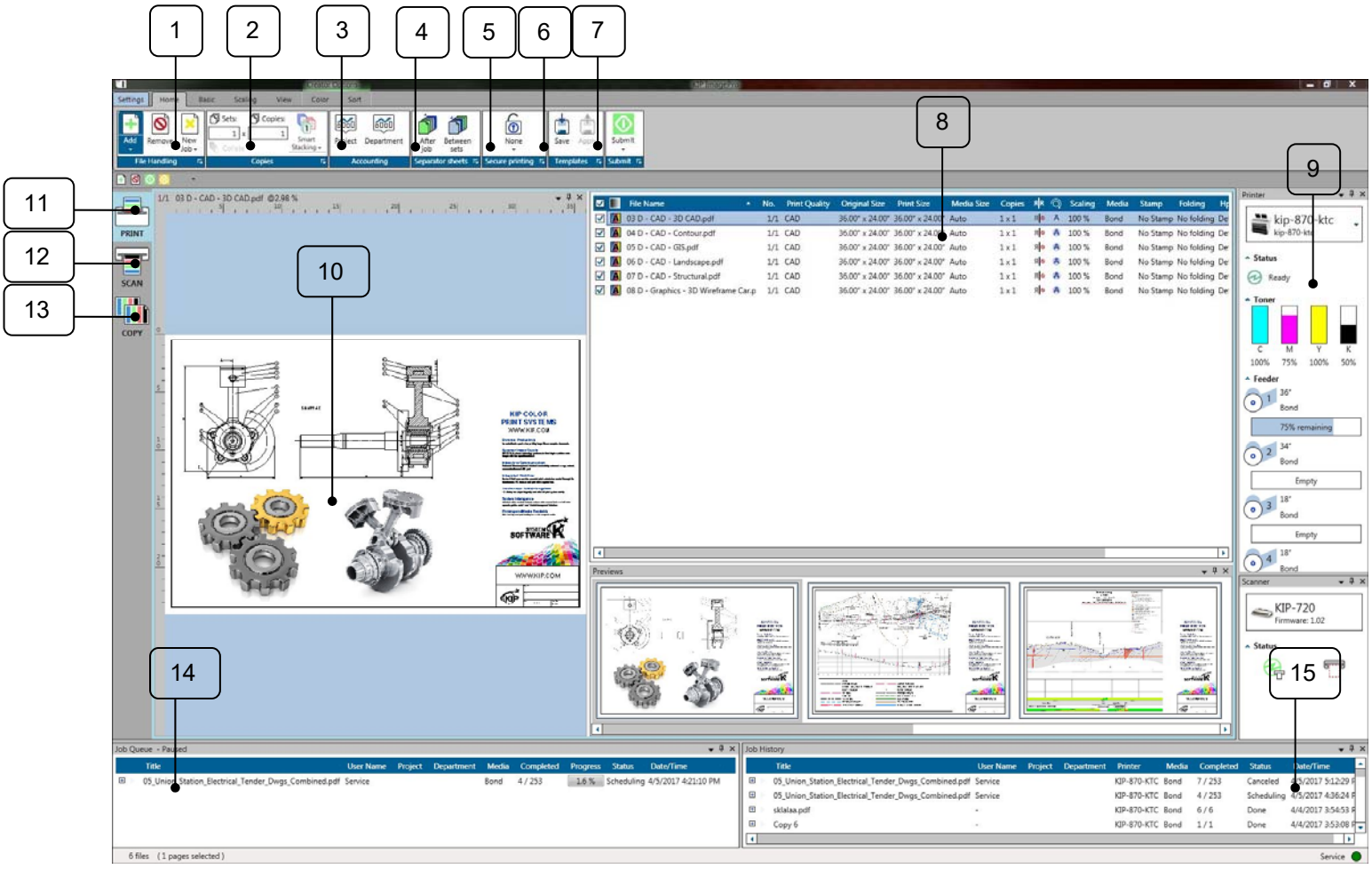
2 Print

The Print tab displays all the available options for Print

(Note: Printer and Scanner Status as well as Job Queue and Job History are hidden by default but shown in screen shots in the docked position for this manual. Please see section 5 for further details). Please also note for the purposes of this manual all information is in the Expanded mode to show all features.

2.1 Home Tab



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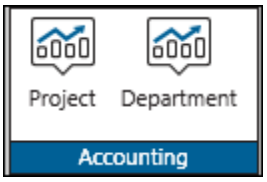
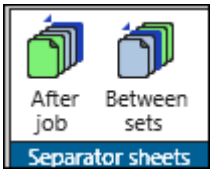
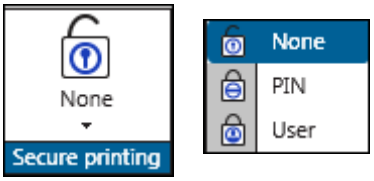
Step	Action	Illustration
1. File Handling • Add • Remove • New Job	Used to add files and create a print job. Note: Dropdown Arrow allows for selection of how to select files to be added. **Add** – Default KIP File picker. **Add Standard** – Windows file picker (does not allow selection of files from the KIP Printer).	
	Used to remove a file from the current print job.	
	Used to create a new Tab (new Job, Up to 4 can be added) So multiple jobs can be worked on at once.	
A. Copies • Sets (Collate) • Copies • Order	Used to set the number of copies as well as the number of sets and if Collate will be on or off. Note: when set to more than one set, collate is on by default. Standard - 1,2,3 Reverse - 3,2,1 Smart Stacking – First page always on top, regardless of paper exit.	
B. Accounting	If Accounting is being used these fields may need to be filled in, to submit job.	
C. Separator Sheets	Used to send a Separator Sheet after the Job or after the Set. Note: Printed on smallest roll available.	
D. Secure Printing	Used to set a requirement that either a user name or a password must be entered at the queue to allow the job to print.	

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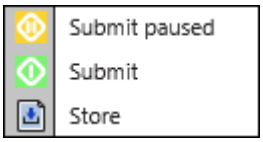
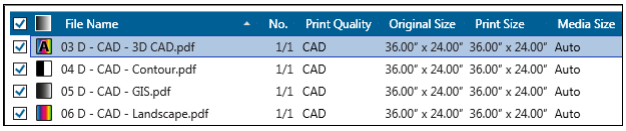
Step	Action	Illustration
E. Templates	Used to save a Template that contains all the selected settings so that it can be applied later.	
F. Submit • Submit • Submit paused • Store	Used to Submit job to the KIP Printer Submits the job in a paused state. Stores the job with all current settings so it can be re-printed	 
G. Job Matrix (Job Build Area)	Displays Selected files and settings associated with each file.	
H. Status	Displays the status of the KIP Printer (Real-time errors, Toner Remaining and currently loaded media) for both B&W and Color KIP Printers. As Well as connected Scanners (if available)	
I. Preview (HD Viewer)	Displays selected file and settings applied to it. **Note:** If a Folder is attached Detect Title Block can be activated. **Note:** If the HD viewer is turned off double clicking a thumbnail will re-launch the HD viewer.	 Detect Title Block on

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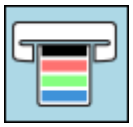
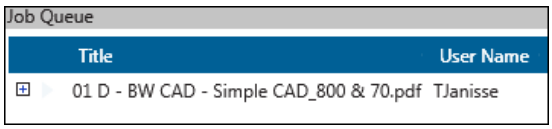
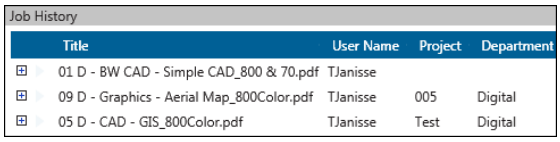
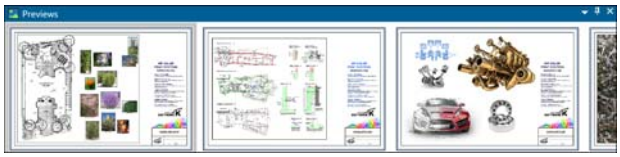
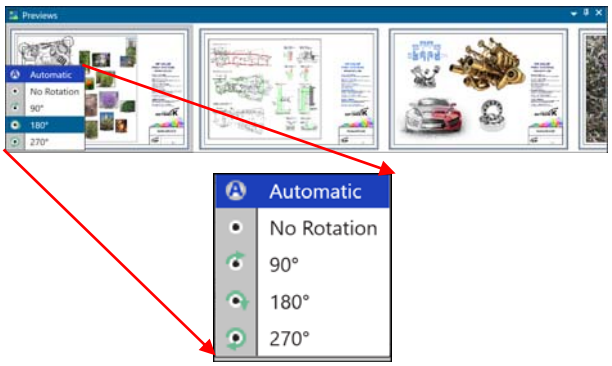
Step	Action	Illustration
J. Print Icon	Select the Print Icon to use the Print functionality of the KIP ImagePro Application.	
K. Scan Icon	Select the Scan Icon to use the Scan functionality of the KIP ImagePro Application.	
L. Copy Icon	Select the Copy Icon to use the Copy functionality of the KIP ImagePro Application.	
M. Job Queue	Displays all current jobs in the Queue on the connected printer.	
N. Hob History	Displays the history of jobs previously printed on the connected KIP Printer. Note: History is turned off by default and must be turned on by an Administrator for this to populate.	
O. Previews	Displays thumbnail images of the files that have been added to the job matrix. Please note: if a Folder is installed behind the KIP Printer it may be easily rotated to control the title block placement by right clicking on the thumbnail and then selecting the desired rotation.	 

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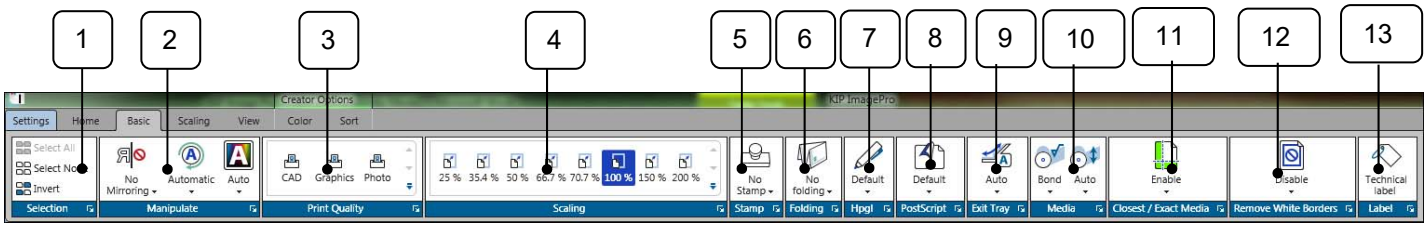
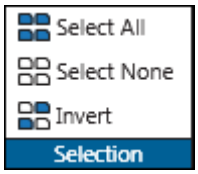
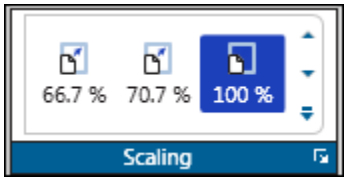
2.2 Basic Tab



Step	Action	Illustration
1. Selection	Allows for the selection of the files to apply changes to including: Select All - Selects all files in the job build area Select None - Unselects currently selected files. Invert – Inverts selected files for ease configuration.	
2. Manipulate	Allows the selected file(s) to be: Mirrored – Prints image as if held in front of a mirror. Rotated – allows for None, 90°, 180° and 270° Color Mode – Allows for Auto, B&W, Gray and Color	
3. Print Quality	Choose from different print qualities to control the final output. Choose from CAD, Graphics and Photo modes.	
4. Scaling	Used to set the Scaling of the output from 25% to 400%	

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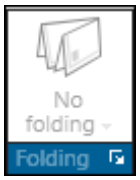
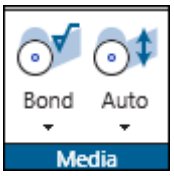
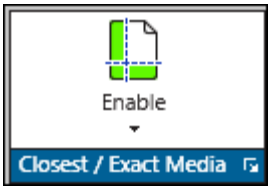
Step	Action	Illustration
5. Stamp	Allows for the selection of a Stamp that can be applied to the file(s) being printed.	
6. Folding	If a Folder is attached to the KIP this will allow for the selection of how the output is to be handled based on preset folding packets.	
7. HPGL	Allows for the manipulation of Pen tables associated with HPGL/2 files.	
8. Postscript	Allows for the manipulation of settings associated with Postscript files.	
9. Exit Tray	If a Stacker/Folder is attached this function allows the media to be ejected to the desired location	
10. Media/Media Size	Used to select the desired output Media type. Also used to select a specific roll width to print on.	
11. Closest/Exact Media	Used to turn on/off the Closest (default)/Exact settings. Closest – Will print to the closest roll available in the printer Exact – Will print on the exact size roll needed (no waste).	

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Step	Action	Illustration
12. Remove White borders	When selected file has excess white borders, the white borders will be removed.	
13. Label	If active selecting this will place a technical label on the output. Containing Date/Time, Scale and Job Number. Used for testing purposes.	

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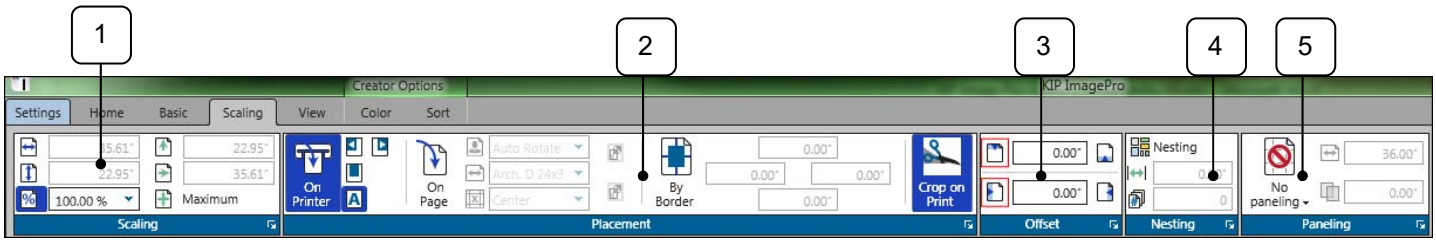
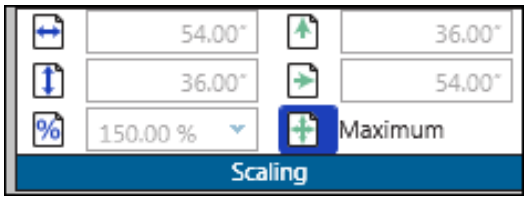
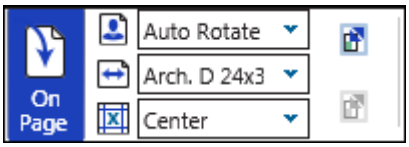
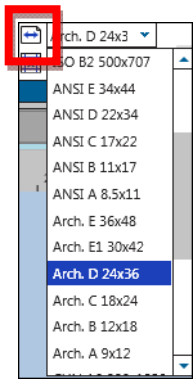
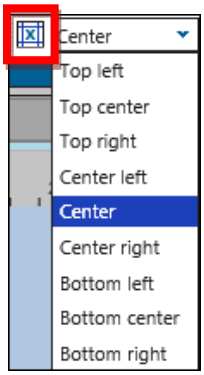
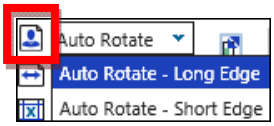
2.3 Scaling Tab



Component	Function
1. Scaling • Scale by Width • Scale by Height • Scale by Percentage • Scale by Short Edge • Scale by Long Edge • Scale by Maximum Size	Set Scaling parameters in English or metric mode. Including: 
2. Placement • On Printer o Automatic Mode – Based on printer default. o Align Left – Aligns image to the Left on the roll. o Align Right - Aligns image to the Right on the roll. o Center – Centers the image on the roll. • On Page o Auto Rotate Long edge – Rotation is based on the long edge of image. o Auto Rotate Short Edge. – Rotation is based on the short edge of image. o Preset Sizes – Choose from Multiple preset page sizes. o Multiple Preset Locations – Choose from multiple placement locations o Fit to Page – Fits image to page selected o Downscale Only	Select from:    

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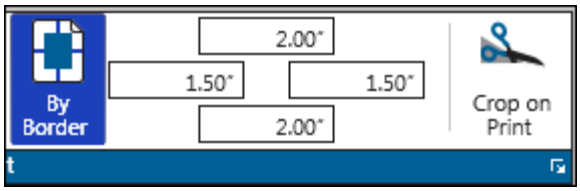
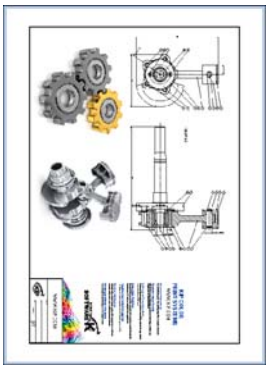
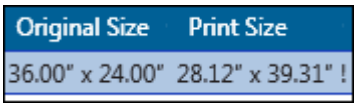
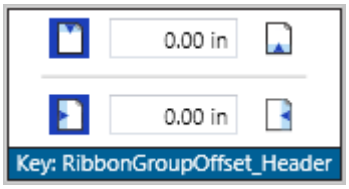
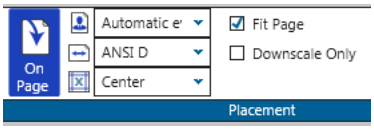
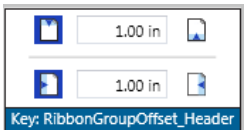
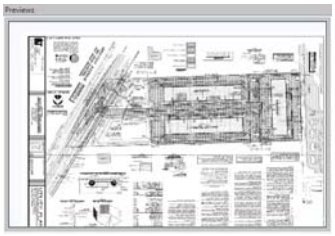
Component	Function
• By Border – will add/subtract borders to: o Top o Bottom o Left o Right • Note: this will change the output size.	  
• Crop on Print - Selecting this will crop the file as printed to the edge of the printable data.	
3. Offset – Used to add a lead, trail, left or right margin. This will shift the image on the specified page.	 Example: File is being placed on an ANSI D, Fit to page with a 1” margin on the top and left.    **Note:** The image is shifted down and left off the page.

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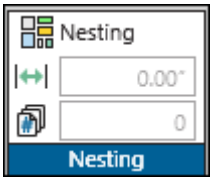
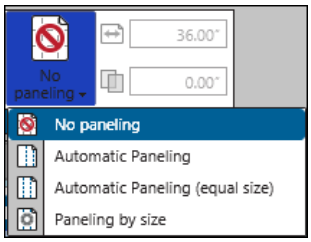
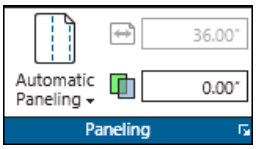
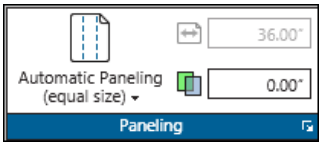
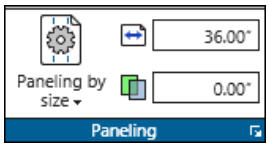
Component	Function
4. Nesting – When On will put the same image sided by side on a single page. A distance can be set between the two images as well as how many to put on one sheet. • Nesting –turns on the nesting function • Nesting Distance – sets distance between each file. • Maximum Count – Sets maximum number of images to place across page. **Note: Number of copies on the Home tab as well as Scaling percentage or Page size must be set.**	 On Off Half Inch gap between each file Three files will be placed across sheet (based on size printing)
5. Paneling- For large format outputs, such as posters or presentations it is necessary to divide the copy into several different panels. As soon as the required output size exceeds the maximum print width or the maximum print length of a printer, certain settings become available. • Automatic Paneling – panels will be created based on size entered in the Scaling location. • Automatic Paneling (Equal Size) – panels will be created based on size entered in the Scaling location all panels will be of equal size. • Paneling by Size - – panels will be created based on width of size entered in the paneling location. • Overlap – all paneling settings can have an overlap set for the printed output.	   

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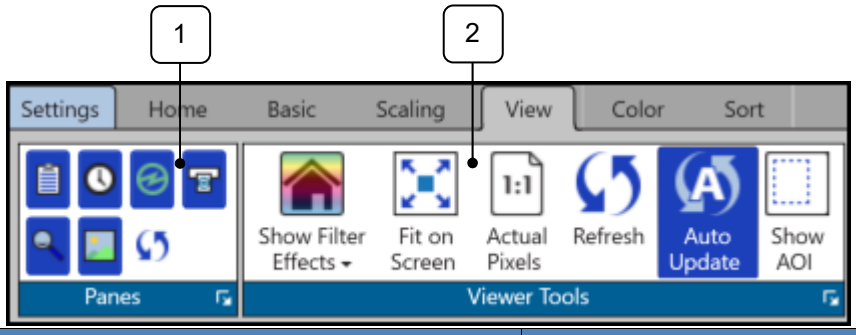
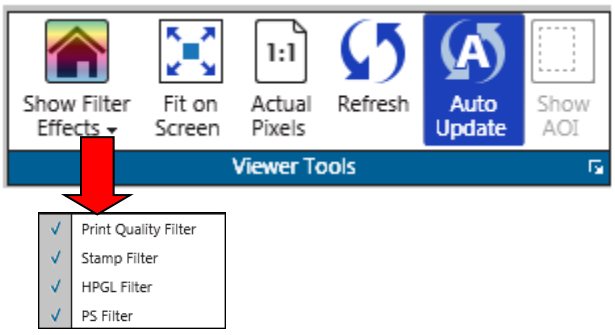
2.4 View Tab



Step	Action	Illustration
1. Panes	Enable or disable specific Panes so that they are visible or not. Job Queue – Turns on/off Job Queue Job History – Turns on/off Job History Printer Status – Turns on/off Printer Status Scanner Status – Turns on/off Scanner Status Preview – Turns on/off HD Preview window Previews – Turns on/off Small Previews Reset – To factory settings	
2. Viewer Tools	Selecting this will allow for viewer tools to be used. • Show Filter Effects – Dropdown with available filters for HD Viewer • Fit On Screen – Fits image to preview window. • Actual Pixels – Previews at actual size • Refresh – Refreshes HD Preview • Auto Update – If on will update changes in the HD viewer • Show AOI – Turns on AOI printing. Note: Right Clicking on the preview will give you a tools menu as well.	

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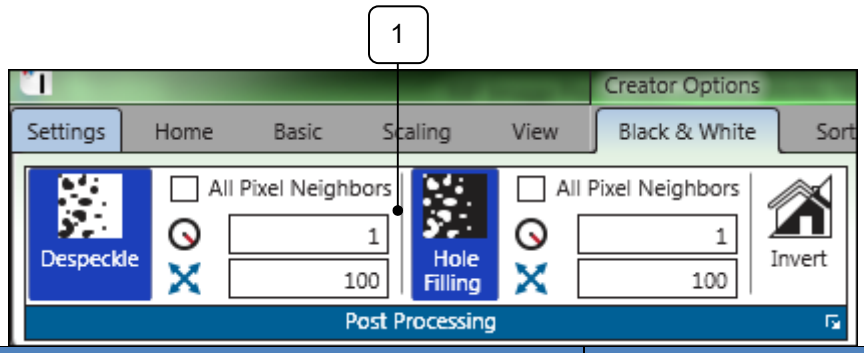
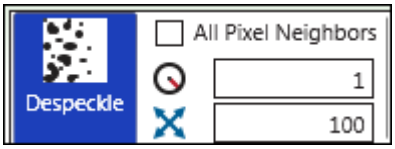
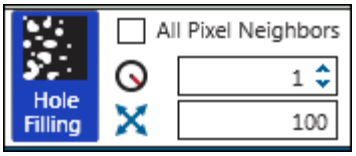
2.5 Black & White Tab (B&W mode selected or Auto Mode, connected to a B&W KIP Printer)



Step	Action	Illustration
1. Post Processing	Despeckle – This option searches for groups of black pixels and converts them into white • All Pixel Neighbors - Pixels are connected neighbors when there is a series of 8 (instead of 4) adjacent pixels • Filter Size - corresponds to the maximum "diameter" of the pixel area which is to be removed. • Rel. Area Size - This limits the proportion of the actual maximum number of pixels to the filter size. 0 represents the smallest possible surface relative to the selected filter size. Hole Filling – makes it possible to remove single pixel-sized white holes from black areas in b&w mode. • All Pixel Neighbors – See Above • Filter Size – See Above • Rel. Area Size – see above Invert – Inverts black to white and white to black.	 

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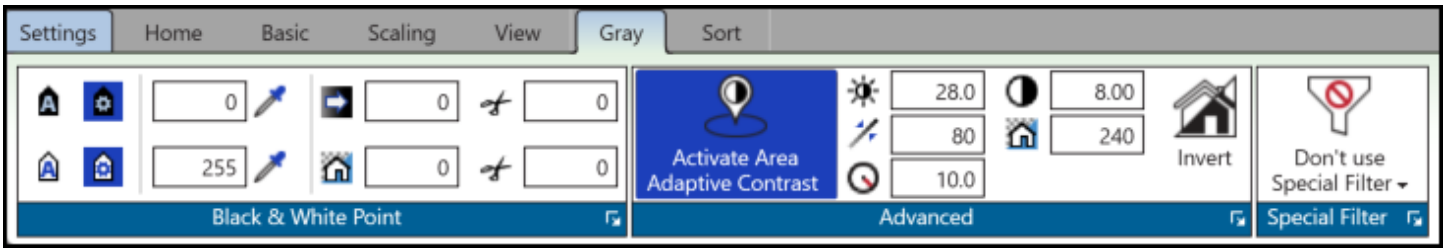
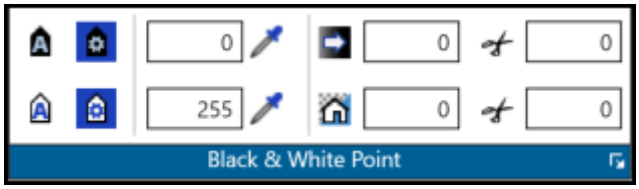
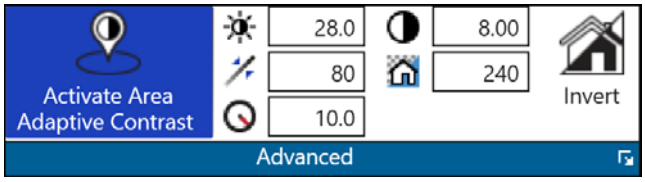
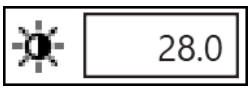
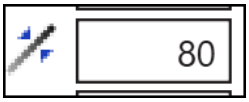
2.1 Gray Tab (Gray mode selected or Auto Mode, connected to a B&W KIP Printer)



Step	Action	Illustration
1. Black and White Point	Part of RGB and CIELAB Color Space. When Manual mode is selected the user has full control over the output of the file using the following adjustments settings: • Black-point – Adaptive/Manual with picker • White-point – Adaptive/Manual with picker • Black Enhancement with Clip • Background Removal with Clip	
2. Advanced	This option offers you adaptive area dependent recalculation of black and white for removal of cloudy backgrounds, especially for blueprints and line art. Allows the user to adjust the following settings: • Brightness - Increase the brightness until narrow lines or text are about to disappear. • Max Line Blackening - Limits the value for the shade of gray considered as black.	  

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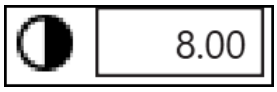
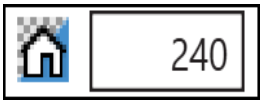
Step	Action	Illustration
	• Radius - Decrease radius as far as possible, but larger than the largest black area of the image. When the radius is too small, black parts will get holes. • Contrast - Try to change the contrast to improve the result. You may need to change the brightness afterwards again. • Max Background Removal - Limits the value for the shade of gray considered as white. • Invert - Changes black to white and white to black.	  
3. Special Filter	Allows the user to adjust the following settings: • Don't use special filter (default) • Sharpening Mode - This filter increases the contrast between light and dark pixels and drastically enhances the edge sharpness of text and lines. • Smoothing Mode - This filter is intended to reduce image noise and distortion, and affects the whole picture contrast. • Adaptive Mode – Combination of both Sharpening and Smoothing Modes.	

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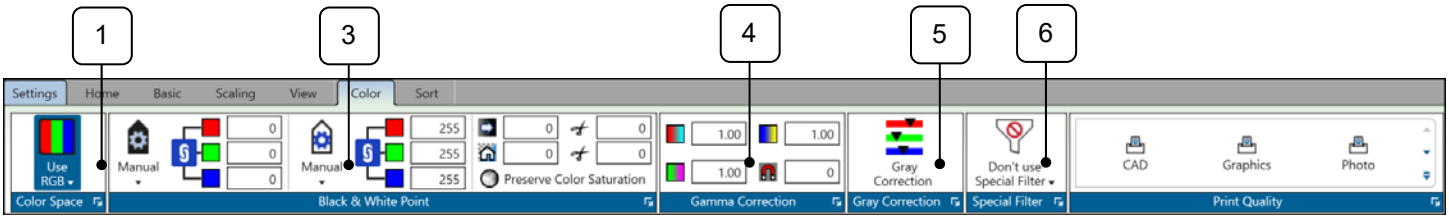
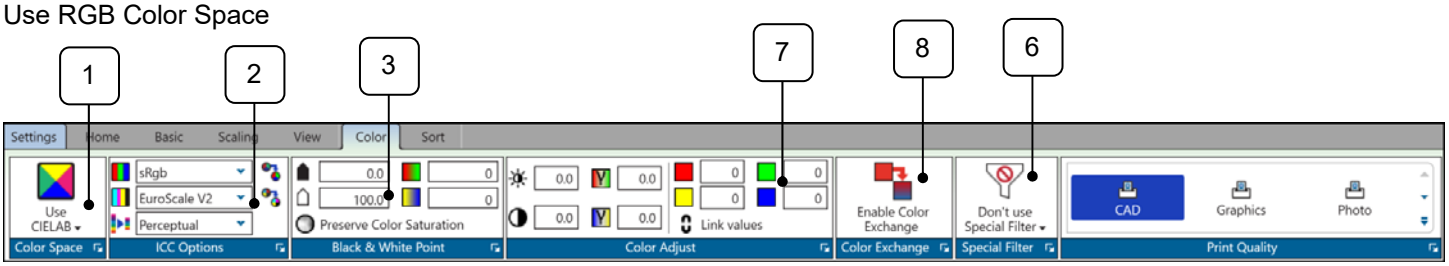
2.2 Color Tab (When connected to a Color KIP Printer)

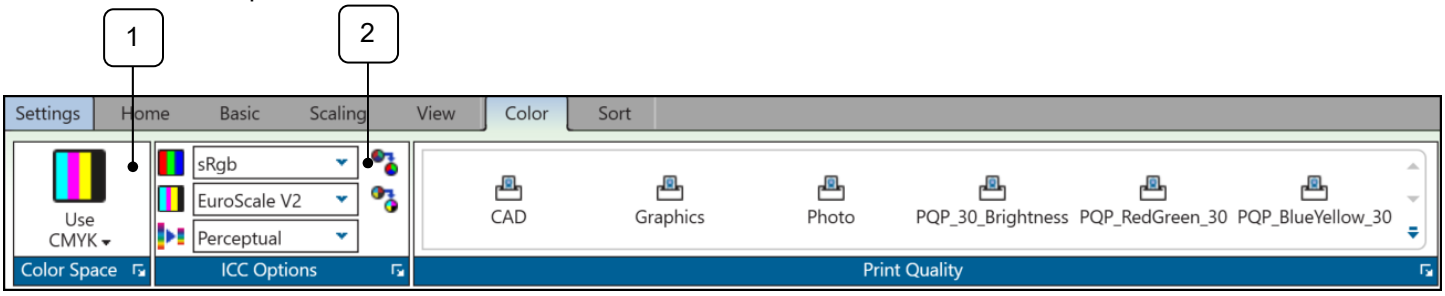
Note: The main Ribbon will look different depending on what Color Space is being used.



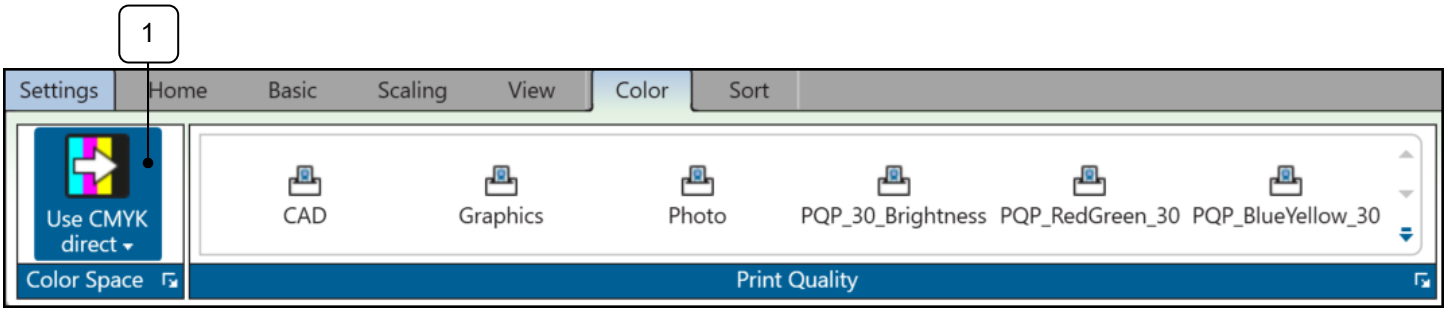
Use RGB Color Space



Use CIELAB Color Space



Use CMYK Color Space



Use CMYK Direct Color Space

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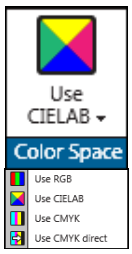
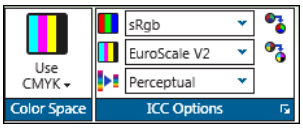
Step	Action	Illustration
1. Color Space	The Color Space section allows the user to select from the following color spaces (each Color Space has different options): • Use RGB - refers to a system for representing the colors to be used Red, green, and blue can be combined in various proportions to obtain any color in the visible spectrum. Levels of R, G, and B can each range from 0 to 100 percent of full intensity. • Use CIELAB - is a color space specified by the International Commission on Illumination It describes all the colors visible to the human eye and was created to serve as a device-independent model to be used as a reference. • Use CMYK - is a color space in which all colors are described as a mixture of these four process colors. • Use CMYK Direct – is a color space that uses the colors associated with the file as is.	Color Space  

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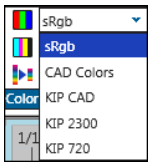
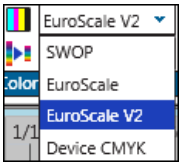
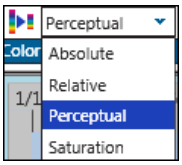
Step	Action	Illustration
2. ICC Options	Part of Use CIELAB and Use CMYK Color Space. Allows the user to adjust the following settings: • Select from available RGB Profiles • Select from available CMYK Profiles • Select from available Rendering Intents (See Appendix 1 for definitions)	RGB Profiles  CMYK Profiles  Rendering Intents 

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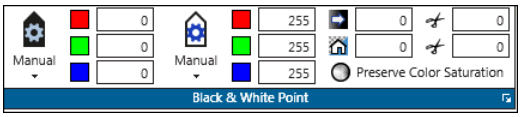
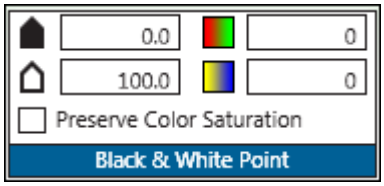
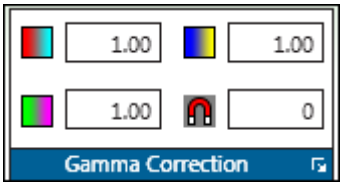
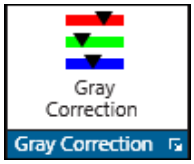
Step	Action	Illustration
3. Black and White Point	Part of RGB and CIELAB Color Space. Allows the user to adjust the following settings: • Black-point • White-point • White-point value Green to Red • White-point Yellow to Blue • Preserve Color Saturation	RGB  CIELAB 
4. Gamma Correction	Part of RGB Color Space. Allows the user to adjust the following settings: • Red to Cyan • Blue to Yellow • Green to Magenta • Snap to Gray	
5. Gray Correction	Part of RGB Color Space. Allows the user to perform a gray correction on the specific file.	

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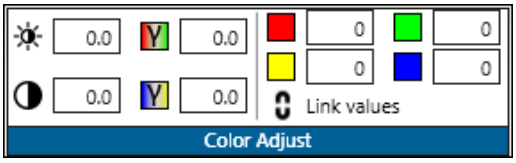
Step	Action	Illustration
6. Special Filter	Part of RGB and CIELAB Color Space. Allows the user to adjust the following settings: • Don't use special filter (default) • Sharpening Mode - This filter increases the contrast between light and dark pixels and drastically enhances the edge sharpness of text and lines. • Smoothing Mode - This filter is intended to reduce image noise and distortion, and affects the whole picture contrast. • Adaptive Mode – Combination of both Sharpening and Smoothing Modes.	
7. Color Adjust	Part of CIELAB Color Space. Allows the user to adjust the following settings: • Brightness • Contrast • Green to Red • Yellow to Blue • Red, Green, Yellow and Blue – These can be adjusted individually • Link Values – Links Red, Green, Yellow and Blue colors so an adjustment to one is the same for all.	
8. Color Exchange	Part of CIELAB Color Space. Allows the user to exchange one color for another.	

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9. Print Quality	Used to set the print Quality to be used on the output. Note: this is also used as a reset to default. If changes have been made to any of the color options selecting one of the Print Quality Presets will set all changed values back to default settings.	

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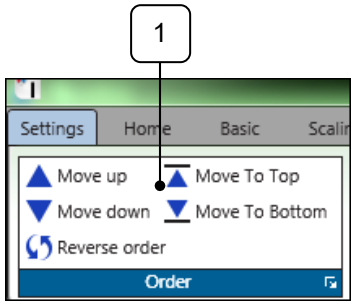
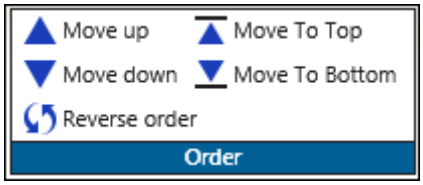
2.3 Job Sort



Step	Action	Illustration
1. Order	Allows the user to arrange the files in the proper order by manipulating each file • Move up – Move selected file(s) up one • Move down - Move selected file(s) down one • Reverse order – used to reverse the order of the files before printing • Move to top - Move selected file(s) to the top • Move to bottom - Move selected file(s) to the bottom	

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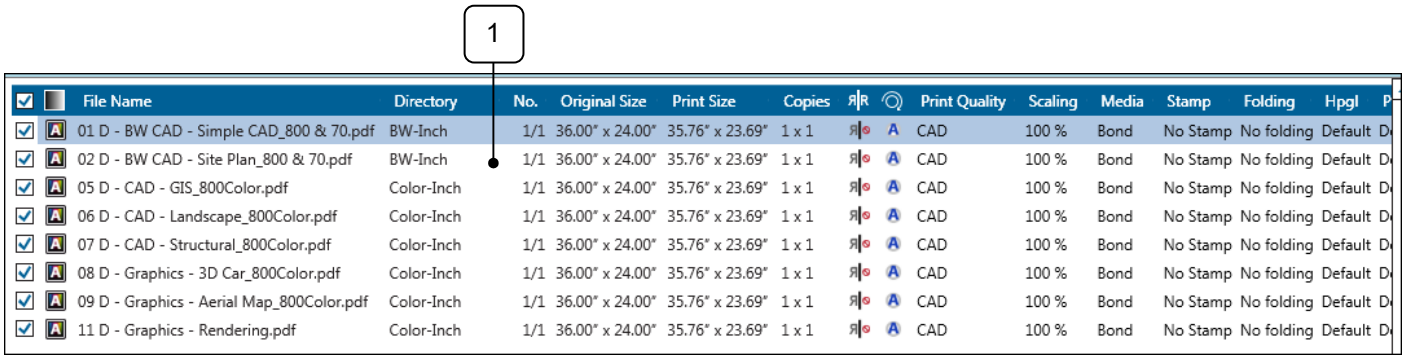
2.4 Job Matrix

The Job Matrix area shows the selected files and all settings associated with each file.



Component	Function	Button
1. Job Matrix Area	This tab shows the files that have been added for printing as well as the settings that have been applied to them as a complete job or settings specific to individual files. By looking in this specific area, we can see the following information about this job: • files (and their location) • Original file size is 36x24 • Print size is 36x24 • Number of Sets and Copies • Print Quality Setting • Scaling is 100% • Media is Bond • Confidential stamp • And other information (scroll to the Right) **Note: By right clicking on the top blue bar in the Job Matrix a Column Selection window will open. Select or un-select the columns to be displayed.**	

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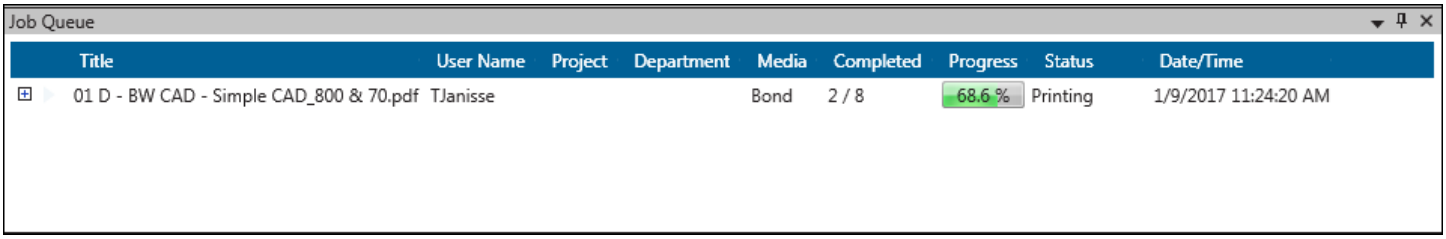
2.5 Job Queue

Job Queue displays what is currently in the Print Queue of the selected printer.



Component	Function
1. Job Queue	When the Job Queue tab is selected the user can see the following: • User Name (if entered) • Project (if entered) • Department (if entered) • Media being printed on • The progress of the job being printed • The status • The current date and time of the file being printed.

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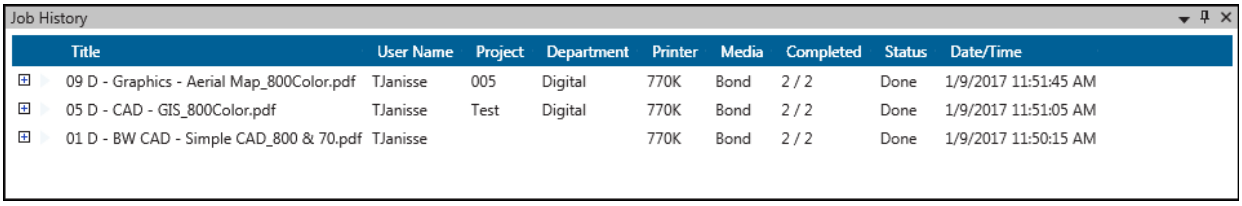
2.6 Job History

Job history (if active) will allow a user to go back and print jobs from a History Queue.



Component	Function
1. Job History	The Job History (if made active) will keep track of printed jobs. The user can then use this history to re-print jobs again when necessary. The following information is displayed: • User Name - If the accounting fields are used the user name will be logged and then will appear in the “User Name” column • Project (if entered) • Department (if entered) • Printer type • Media used • Completion of the sent job • Status of the job • Date and time the job was printed **Note:** The History queue is inactive by default and needs to be activated through KIP PrintPro.net. In secure environments Job History would not be used.
2. Action - Submit	Send the job directly to the printer to be printed. This will show up in the Job Queue Tab and then when completed in the History Queue again.
3. Action - Edit	Loads the Job into the Job Creator tab allowing for editing of the job prior to submitting it again.
4. Action Delete	Removes the job from History

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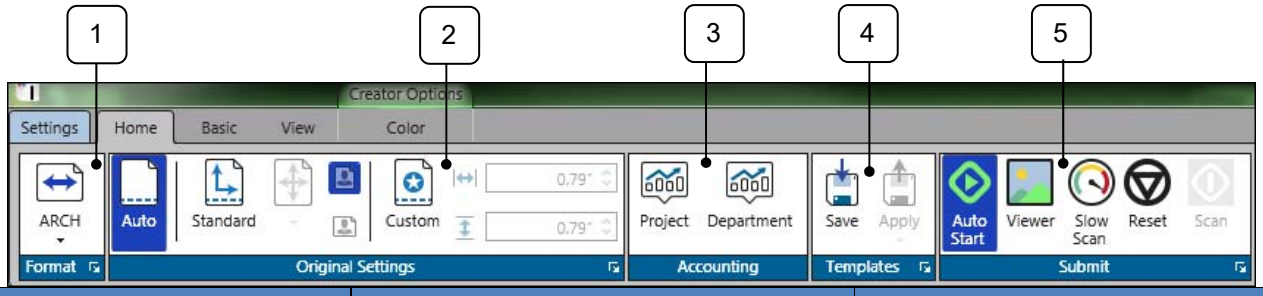
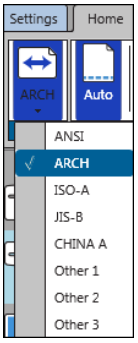
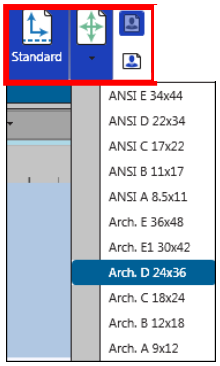
3 Scan

The Scan tab displays all the available options for Scan.

3.1 Home Tab

Please Note: It is necessary to select Scan settings prior to inserting the sheet into the scanner. Some settings cannot be changed once the sheet has been scanned.



Component	Function	Button
1. Format	Select from available formats in the dropdown list.	
2. Original Settings a. Auto	Automatically detects size	
b. Standard	Select from list of predefined page sizes. • Select Standard • Select Size • Select Portrait/Landscape	

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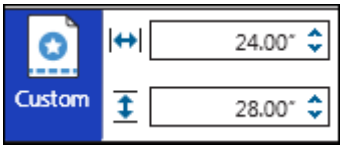
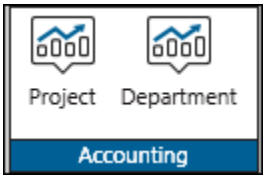
Step	Action	Illustration
c. Custom	Use this function to set the Scan Height and Scan Width manually.	
3. Accounting	If Accounting is being used these fields may need to be filled in, to submit job. **Note: If active, the information MUST be entered before the scan will begin.**	
4. Templates	Used to save a Template that contains all the selected settings so that it can be applied later.	

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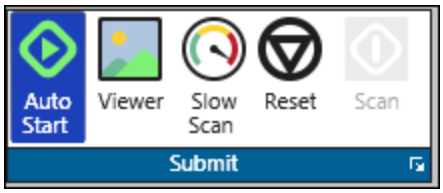
Component	Function	Button
5. Submit	Used to Submit job to the KIP Printer • AutoStart: This can be turned on or off. When on, if media is inserted into the scanner the scanning process will "automatically" begin. When this is turned off the scan button will need to be selected to begin the scan process. • Viewer: Will Display a preview on the main screen prior to the scan process being completed. • Slow Scan – pulls the paper through at 600DPI Speed. • Reset – clears the current scan and starts over. • Scan – With AutoStart on this is not used.	
Scan	If AutoStart is not active the Scan button must be selected to begin scanning process.	

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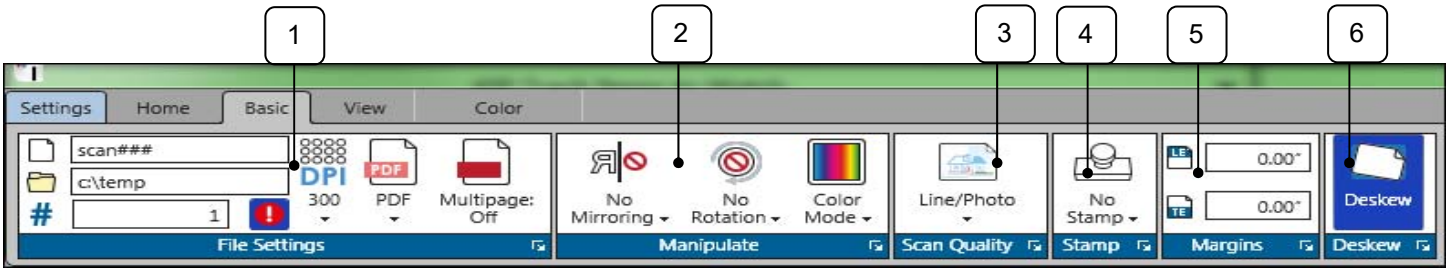
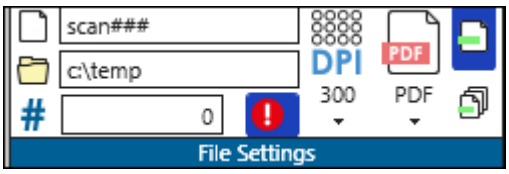
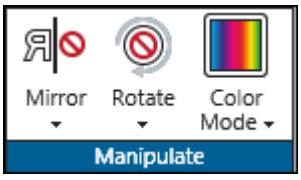
3.2 Basic Tab



Step	Action	Illustration
1. File Settings	Mouse over the icon for tool tips. Functions of the File Settings area: • File Name – Enter File name (each # is a value ### = 000) • Folder –Folder location scanned image will be placed into • Start From – Value to start the numbering from • DPI – set from 200 to 600 DPI • Format – select from JPEG, PDF, PDFA, TIFF, TIFF RLE, DWF • Single or Multi Page – select to create a single page or a multi-page file • Show Overwrite Alert – warns if a file is going to be overwritten.	
2. Manipulate	Users can set the following parameters: • Mirror – Choose from No Mirroring and Horizontal Mirroring. • Rotate – None, 90°, 180° and 270° • Color Mode – set B&W. Gray and Color Modes	

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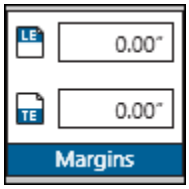
Step	Action	Illustration
3. Scan Quality Presets	Choose from default Scan Quality Presets or custom presets. Line – Used for line drawings Line/Photo – Used for Line drawings with embedded images Graphics – Used for Graphic files **Note:** Custom Presets are created by going to the Settings tab and then selecting Scan Quality Preset**.**	
4. Stamp	Choose from Default Stamps or Custom Stamps. **Note:** Custom Stamps are created by going to the Settings tab and then selecting Stamp Preset	
5. Margins	Set additional margins for the Lead Edge (LE) and Trail Edge (TE) in inches.	
6. Deskew	Deskew is on by default and will automatically fix a slight skew in a scanned document.	

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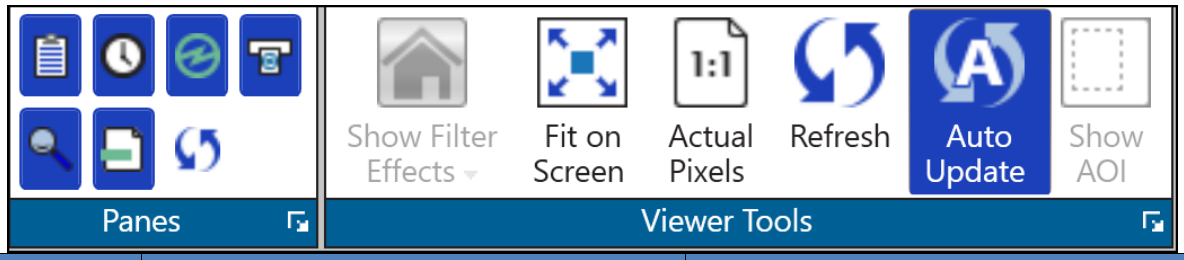
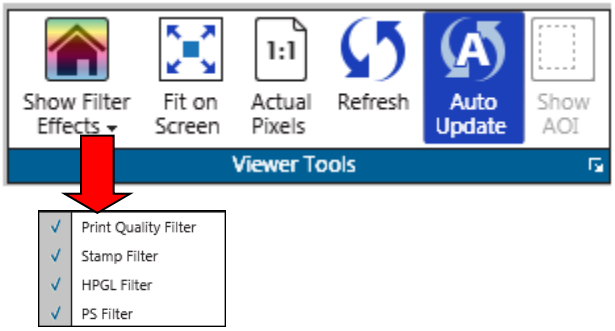
3.3 View Tab



Step	Action	Illustration
1. Panes	Enable or disable specific Panes so that they are visible or not. • Job Queue – Turns on/off Job Queue • Job History – Turns on/off Job History • Printer Status – Turns on/off Printer Status • Scanner Status – Turns on/off Scanner Status • Preview – Turns on/off HD Preview window • File Format – Turns on/off Formats Pane on Main Scan Screen • Reset – To factory settings	
2. Viewer Tools	Selecting this will allow for viewer tools to be used. • Show Filter Effects – Dropdown with available filters for HD Viewer • Fit on Screen – Fits image to preview window. • Actual Pixels – Previews at actual size • Refresh – Refreshes HD Preview • Auto Update – If on will update changes in the HD viewer • Show AOI – Turns on AOI printing. Note: Right Clicking on the preview will give you a tools menu as well.	

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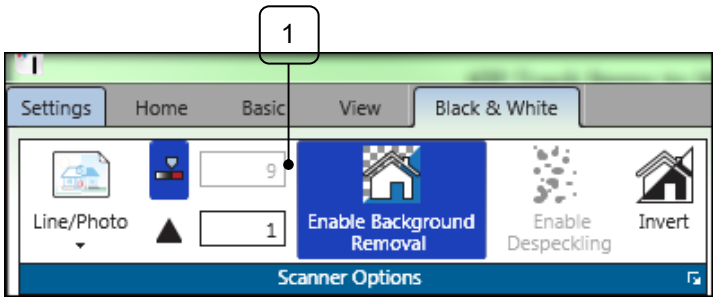
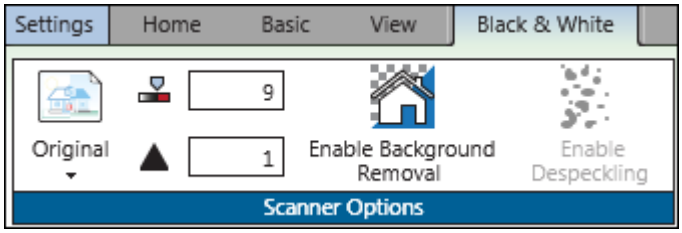
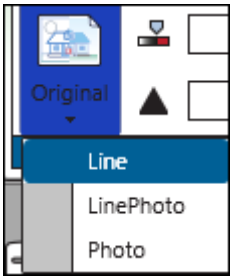
3.4 B&W Tab



Step	Action	Illustration
1. Scanner options	Select from multiple functions:	
a. Original Type	Select from the default presets: • Line - used for line drawings. • LinePhoto – used for drawings with a combination of lines and photos. • Photo – Used for drawings containing mostly photos.	
b. Auto Threshold/ Sharpness	• Auto Threshold – Light to dark adjustment • Sharpness – Adds neighboring dot to all dots. Thus, making the lines sharper.	
c. Enable Background Removal	Background removal is used to reduce or improve the background contrast: set the slider to the right to set a brighter contrast	
d. Enable Despeckling	Removes black pixels in black & white mode.	

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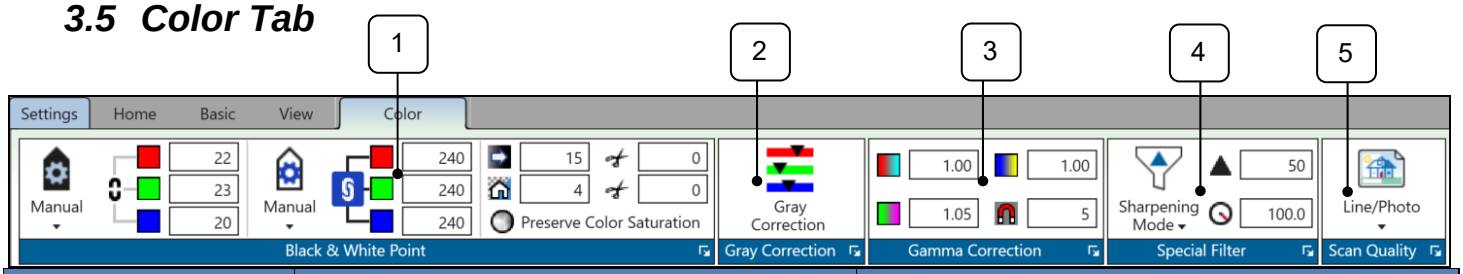
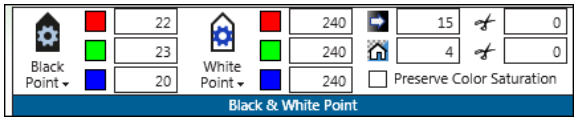
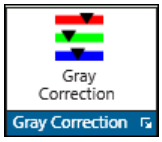
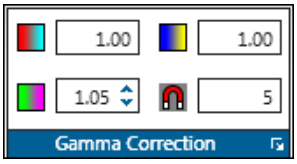
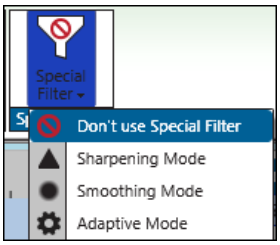
3.5 Color Tab



Step	Action	Illustration
1. Black and White Point	Allows the user to adjust the following settings: • Black-point (RGB Values) • White-point (RGB Values) • Black Enhancement with Clip • Background Removal with Clip • Preserve Color Saturation	
2. Gray Correction	Allows the user to perform a gray correction on the specific file.	
3. Gamma Correction	Allows the user to adjust the following settings: • Red to Cyan • Blue to Yellow • Green to Magenta • Snap to Gray	
4. Special Filter	Allows the user to adjust the following settings: • Don't use special filter (default) • Sharpening Mode - This filter increases the contrast between light and dark pixels and drastically enhances the edge sharpness of text and lines. • Smoothing Mode - This filter is intended to reduce image noise and distortion, and affects the whole picture contrast. • Adaptive Mode – Combination of both Sharpening and Smoothing Modes.	 

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Step	Action	Illustration
5. Scan Quality Preset	Used to set the Scan Quality Preset to be used on the Scanned image data. Also use to reset color values to default. If changes have been made to any of the color settings selecting the Scan Quality preset will restore settings to default.	

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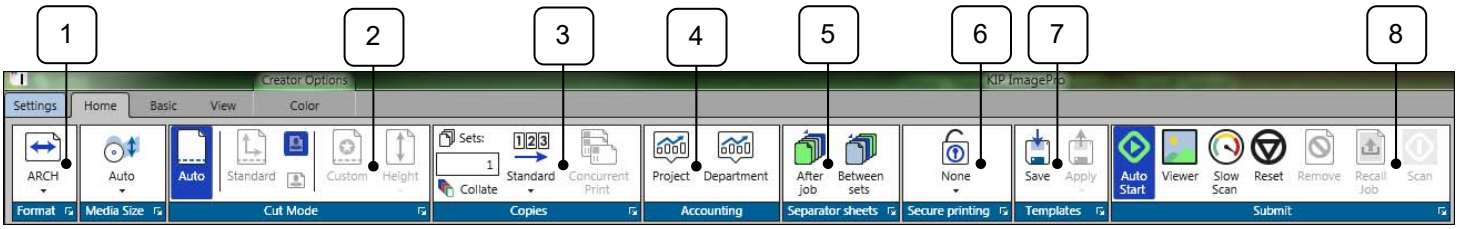
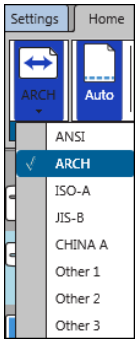
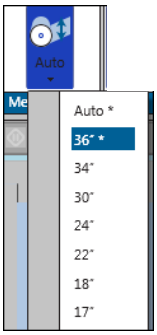
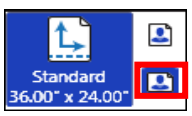
4 Copy

4.1 Home Tab



Step	Action	Illustration
1. Format	Select from available formats in the dropdown list.	
2. Media Size	Used to select the Roll size.	
3. Cut Mode a. Auto	Automatically detects size.	
b. Standard	When a roll is selected (not Auto) the Standard option will become available. This will use standard sizes. For example, the 36” roll is selected under Media (Step 2):	• Portrait will produce 36”x48” • Landscape will produce 36”x24” 

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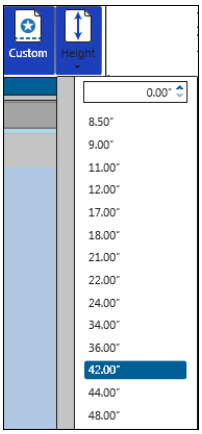
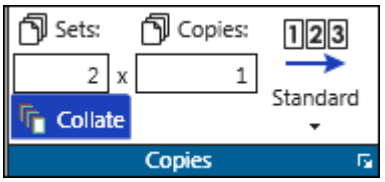
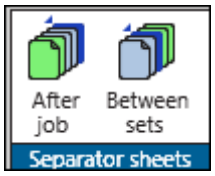
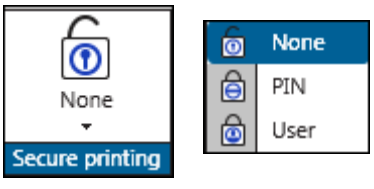
Step	Action	Illustration
c. Custom	When Custom is selected and the 36” roll is selected under Media (Step 2): The Height can be set for a specific size or a height can be entered in the box.	
1. Copies • Sets (Collate) • Copies • Order	Used to set the number of copies as well as the number of sets and if Collate will be on or off. Note: when set to more than one set, collate is on by default. Standard - 1,2,3 Reverse - 3,2,1 Smart Stacking – First page always on top, regardless of paper exit.	
4. Accounting	If Accounting is being used these fields may need to be filled in, to submit job.	
5. Separator Sheets	Used to send a Separator Sheet after the Job or after the Set. Note: Printed on smallest roll available.	
6. Secure Printing	Used to set a requirement that either a user name or a password must be entered at the queue to allow the job to print.	

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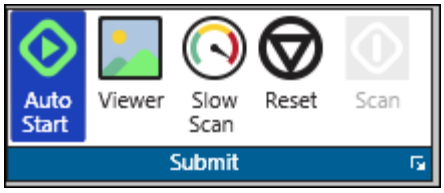
Step	Action	Illustration
7. Templates	Used to save a Template that contains all the selected settings so that it can be applied later.	
8. Submit	Used to Submit job to the KIP Printer • AutoStart: This can be turned on or off. When on, if media is inserted into the scanner the scanning process will "automatically" begin. When this is turned off the scan button will need to be selected to begin the scan process. • Viewer: If "On" Will Display a preview on the main screen prior to the scan process being completed. If "Off" copy will be sent to the printer. • Slow Scan – pulls the paper through at 600DPI Speed. • Reset – clears the current scan and starts over. • Remove – Removes a copied image. • Recall Job – Will recall the last job Submit – With AutoStart on this is not used.	

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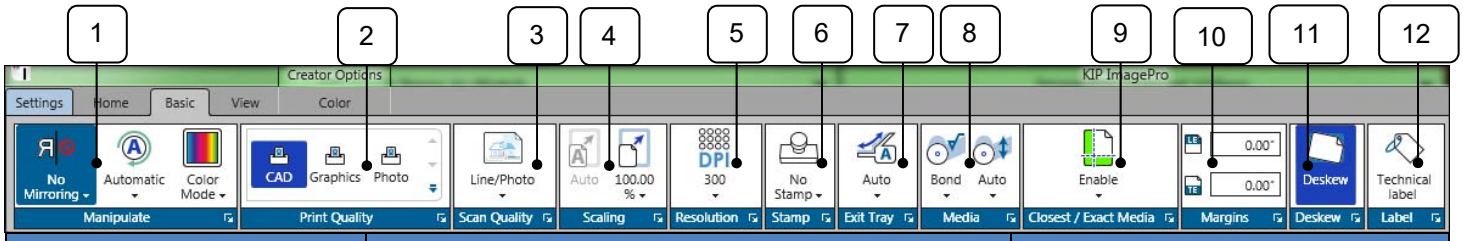
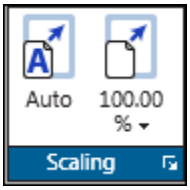
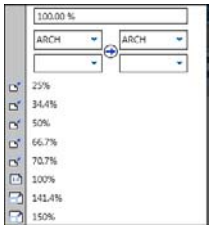
4.2 Basic Tab



Step	Action	Illustration
1. Manipulate	Allows the selected file(s) to be: Mirrored – Prints image as if held in front of a mirror. Rotated – allows for None, 90°, 180° and 270° Color Mode – Allows for Auto, B&W, Gray and Color	
2. Print Quality	Choose from different print qualities to control the final output. Choose from CAD, Graphics and Photo modes.	
3. Scan Quality	Scan Quality is to be set prior to making the copy.	
4. Scaling	Used to set the Scaling of the output. Auto – will automatically determine size Manual - Select from available sizes or set manually	 
5. Resolution	Set Resolution of copied output 200, 300, 400 and 600 DPI.	
6. Stamp	Allows for the selection of a Stamp that can be applied to the file(s) being printed.	

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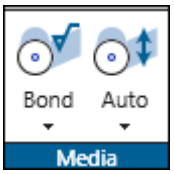
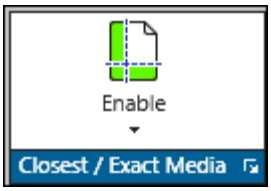
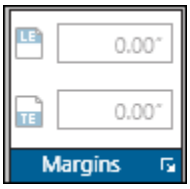
Step	Action	Illustration
7. Exit Tray	If a Stacker/Folder is attached this function allows the media to be ejected to the desired location	
8. Media/Media Size	Used to select the desired output Media type. Also used to select a specific roll width to print on.	
9. Closest/Exact Media	Used to turn on/off the Closest (default)/Exact settings. Closest – Will print to the closest roll available in the printer Exact – Will print on the exact size roll needed (no waste).	
10. Margins	Used to add margins to the copied output. Set prior to scanning document.	
11. Deskew	On by default will fix image is inserted skewed.	
12. Label	If active selecting this will place a technical label on the output. Containing Date/Time, Scale and Job Number. Used for testing purposes.	

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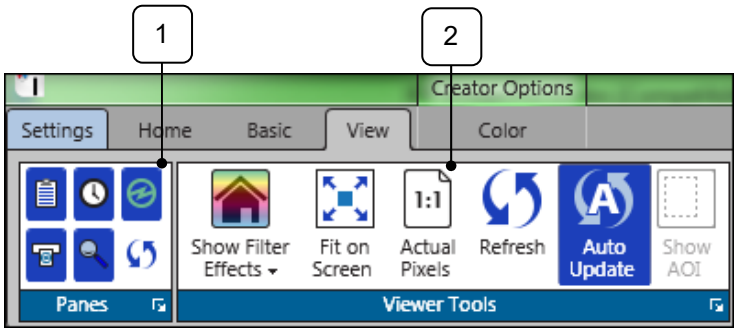
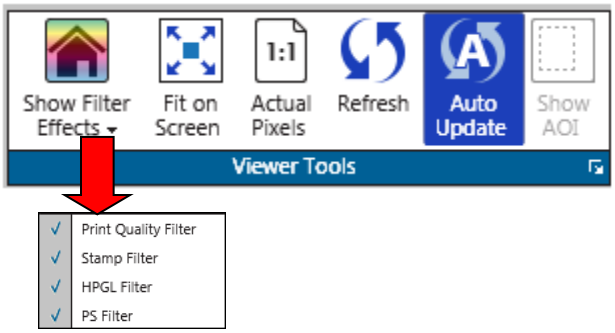
4.3 View Tab



Step	Action	Illustration
1. Panes	Enable or disable specific Panes so that they are visible or not. • Job Queue – Turns on/off Job Queue • Job History – Turns on/off Job History • Printer Status – Turns on/off Printer Status • Scanner Status – Turns on/off Scanner Status • Preview – Turns on/off HD Preview window • Previews – Turns on/off Small Previews • Reset – To factory settings	
2. Viewer Tools	Selecting this will allow for viewer tools to be used. • Show Filter Effects – Dropdown with available filters for HD Viewer • Fit on Screen – Fits image to preview window. • Actual Pixels – Previews at actual size • Refresh – Refreshes HD Preview • Auto Update – If on will update changes in the HD viewer • Show AOI – Turns on AOI printing. Note: Right Clicking on the preview will give you a tools menu as well.	

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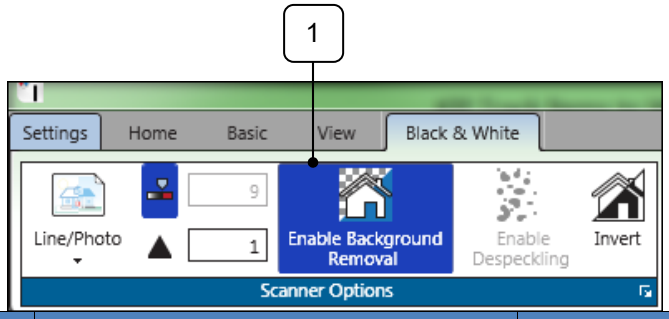
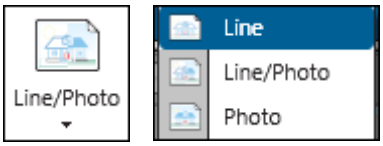
4.4 B&W Tab



Step	Action	Illustration
1. Original	Used to select the desired preset for the best output. • Line – Used for line drawings • Line/Photo – Used for Line drawings with embedded images • Photo – Used for Graphic files	
2. Auto Threshold/ Sharpness	• Auto Threshold - Values from 1 to 17 (higher values make output darker). • Sharpness - softens the image sections with constant colors to make raster virtually invisible. Object edges and text remain sharp and can even be sharpened.	
3. Enable Background Removal	• Used to tune background contrast (e.g. to further fine-tune text visibility). You may additionally reduce or improve the white to grey-values. The higher the clipping value, the brighter and whiter the image's most white elements will become.	

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Step	Action	Illustration
4. Enable Despeckling	Removes black pixels in black & white mode.	
5. Invert	This function shows a negative version of the picture.	

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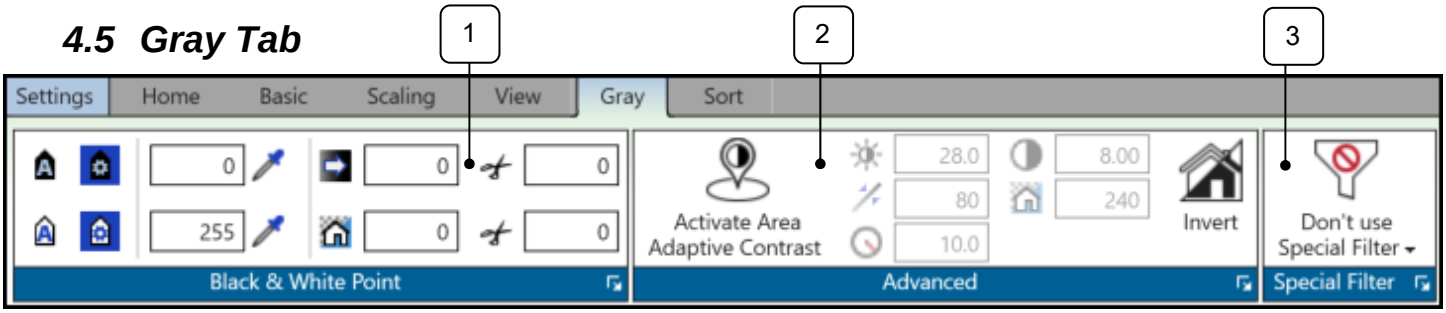
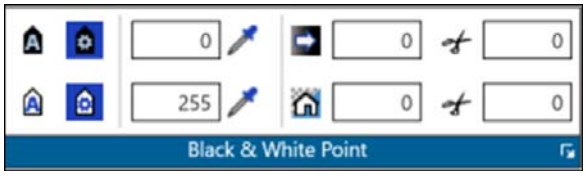
4.5 Gray Tab



Step	Action	Illustration
1. Black and White Point	Allows the user to adjust the following settings: • Black-point (Adaptive mode or Manual Mode) • White-point (Adaptive mode or Manual Mode) • Black Enhancement with Clip • Background Removal with Clip	
2. Advanced	• Activate Area Adaptive Contrast – Enable • Brightness Adjust the overall brightness. • Max Line Blackening - • Radius - • Contrast - • Max Background Removal - • Invert – Inverts black to white and white to black.	

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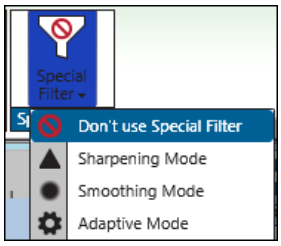
Step	Action	Illustration
3. Special Filter	Allows the user to adjust the following settings: • Don't use special filter (default) - • Sharpening Mode - This filter increases the contrast between light and dark pixels and drastically enhances the edge sharpness of text and lines. • Smoothing Mode - This filter is intended to reduce image noise and distortion, and affects the whole picture contrast. • Adaptive Mode - is made of two unique filters, both possessing the features of *SHARP* and *SMOOTH*,	

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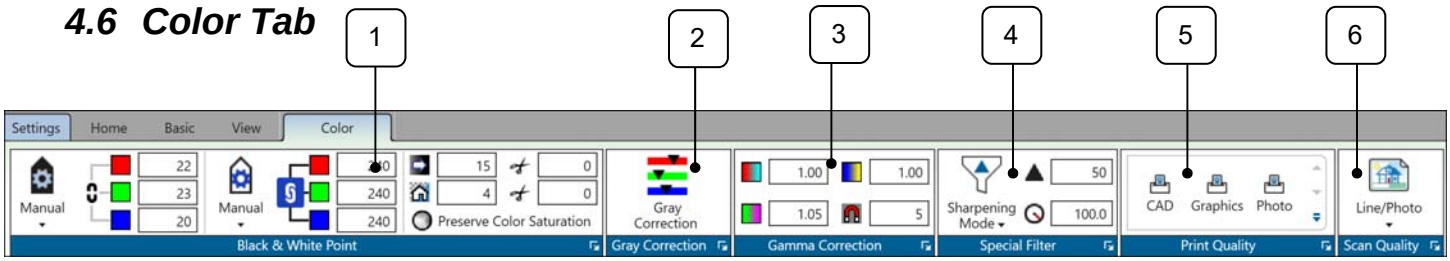
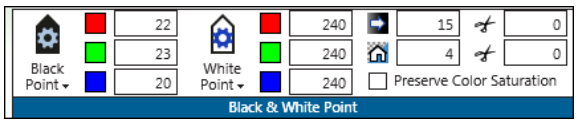
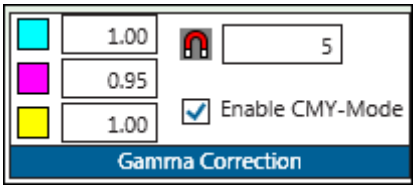
4.6 Color Tab



Step	Action	Illustration
1. Black and White Point	Allows the user to adjust the following settings: • Black-point (RGB Values) • White-point (RGB Values) • Black Enhancement with Clip • Background Removal with Clip • Preserve Color Saturation	
2. Gray Correction	Used to make simple gray adjustments to the gray output. • Adjust the Red/Green/Blue by typing values into the table.	
3. Gamma Correction	Allows the user to adjust the following settings: • Adjust colors CMYK or RGB (dependent on scanned image) • Snap to Gray - With SNAP TO GRAY you can define how far the values can differ • Enable CMY Mode	

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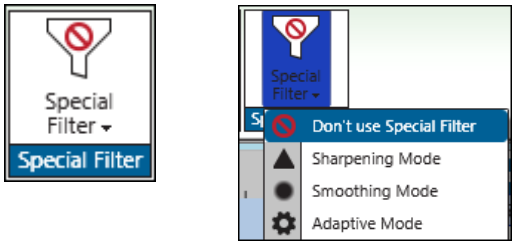
Step	Action	Illustration
4. Special Filter	Allows the user to adjust the following settings: • Don't use special filter (default) • Sharpening Mode • Smoothing Mode • Adaptive Mode	
5. Print Quality	Determines the Output quality of the Document being copied. Defaults: • CAD • Graphics • Photo	
6. Scan Quality	Determines the input quality (document through the scanner) of the Document being copied. Defaults: • Line • Line/Photo • Graphics	

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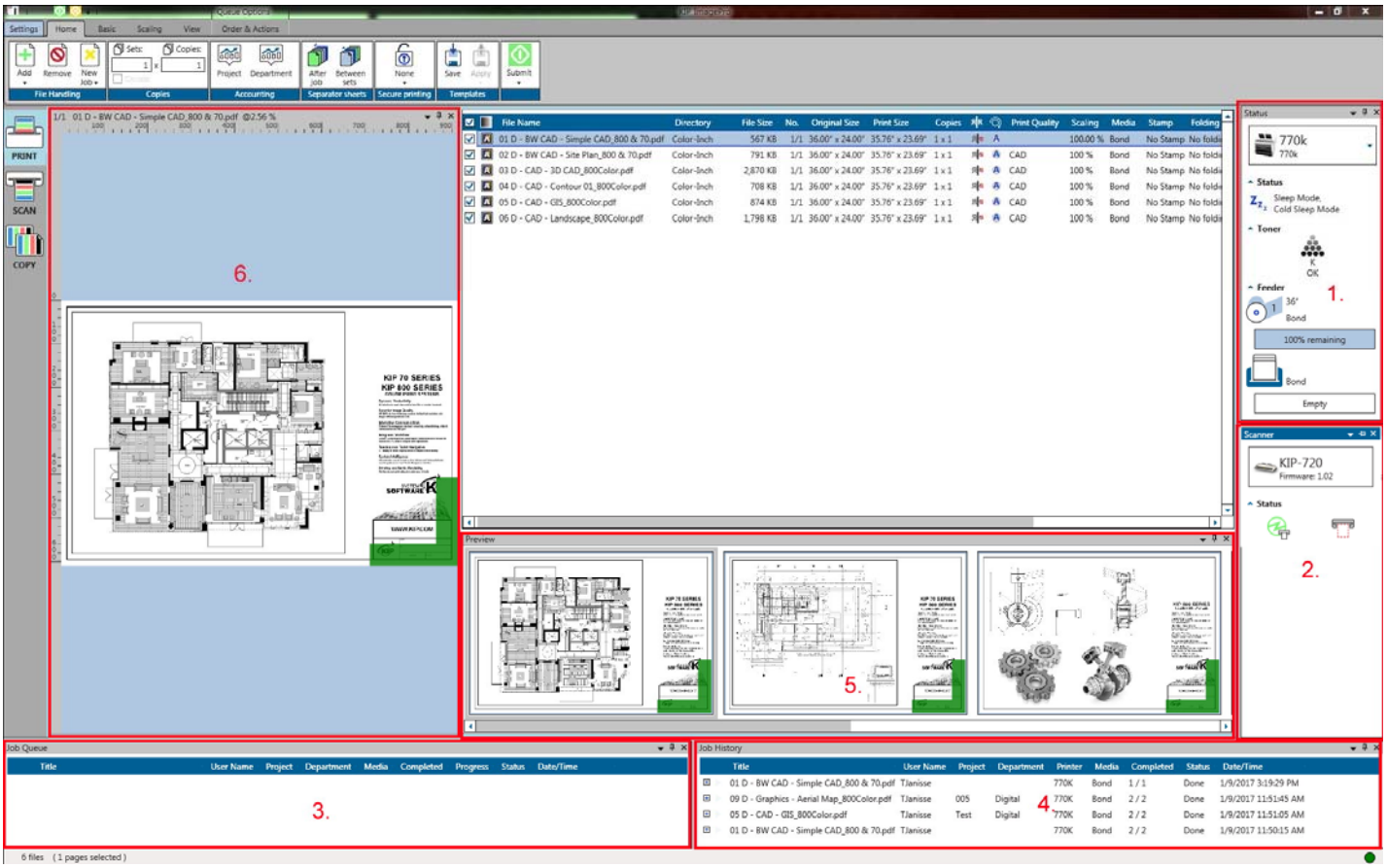
5 Configuring the KIP ImagePro Screen

There are many ways the user can configure the KIP ImagePro screen to suit their needs. The main screen consists of Panes that can be rearranged or removed. The Panes are the individual visible sections of the user interface (in **RED**) and the tabs are the individual minimized sections of the user interface (in **BLUE**). However, with customization the Panes can become Tabs and the Tabs can become Panes.

(Note: Printer and Scanner Status are hidden by default but shown in screen shots in the docked position for this manual. Please see section 5 for further details).

Depending on how often a Tab or Pane is used, it can be hidden or displayed. The next section will explain how these Panes and Tabs can be used.



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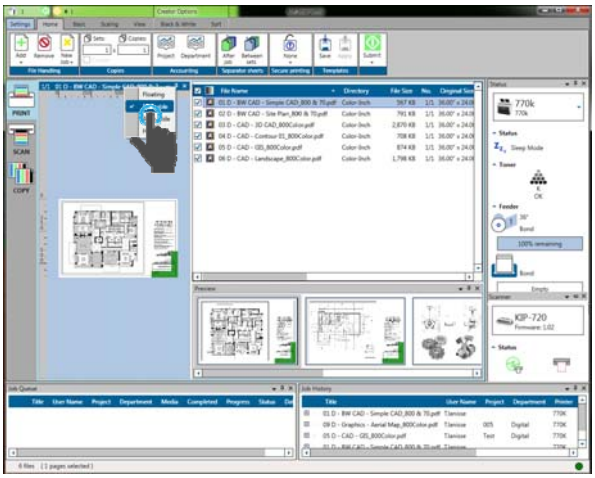
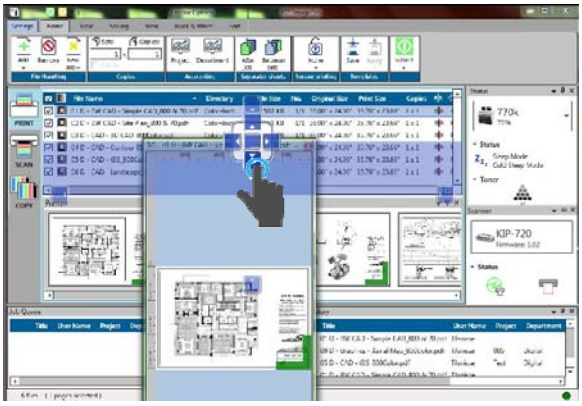
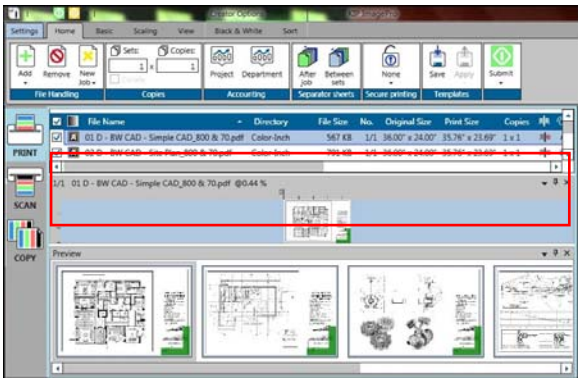
5.1 Dockable

Step	Action	Illustration
1.	Placement of Panes **Dockable** – Move pane within screen Using the mouse, click and hold on the top bar of the pane to be moved. Then drag this pane outside the KIP ImagePro Screen. **Note:** It is also possible to right click on the main bar and choose from the list of functions.	
2.	Move the pane to the desired position on the pad. **Note:** The location where the pane will be place will highlight in blue.	
3.	Release the mouse button to place the pane in the new position.	

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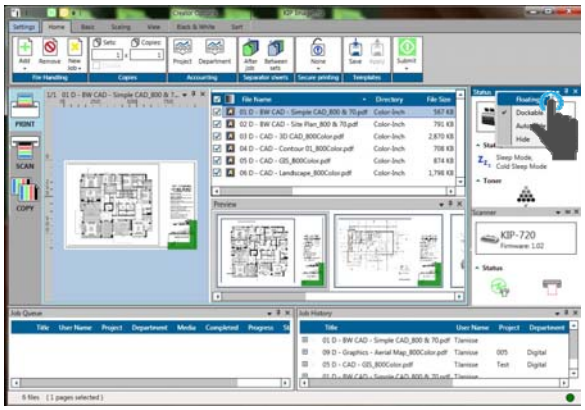
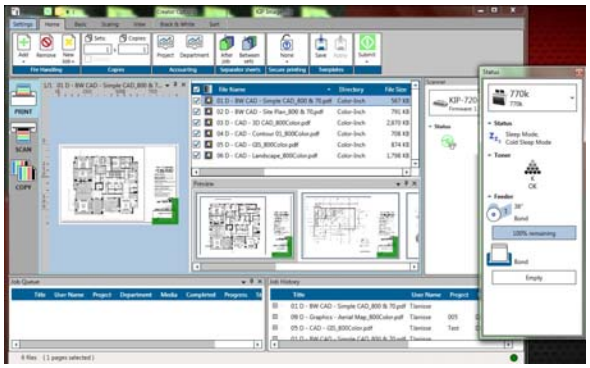
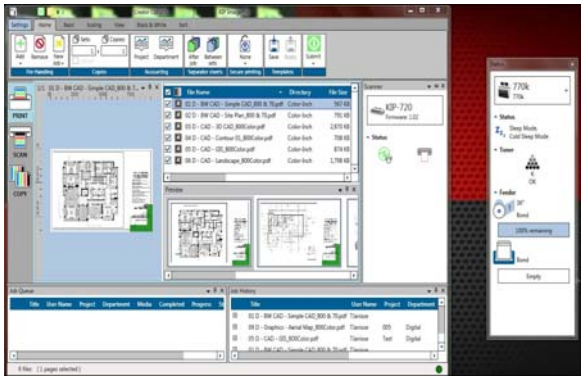
5.2 Floating

Step	Action	Illustration
1.	**Floating** – Moves pane outside of screen Using the mouse, click and hold on the top bar of the pane to be moved. **Note:** It is also possible to right click on the main bar and choose from the list of functions.	
2.	Move the pane to the desired position outside of the main KIP ImagePro screen.	
3.	Place the pane anywhere outside the main screen on your available desktop. **Note:** If multiple monitors are used the pane can be placed on a separate monitor as well.	

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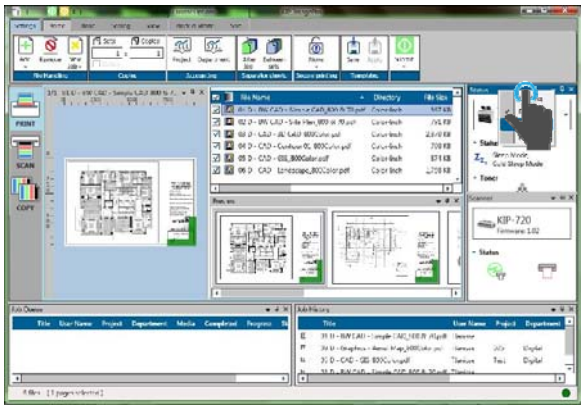
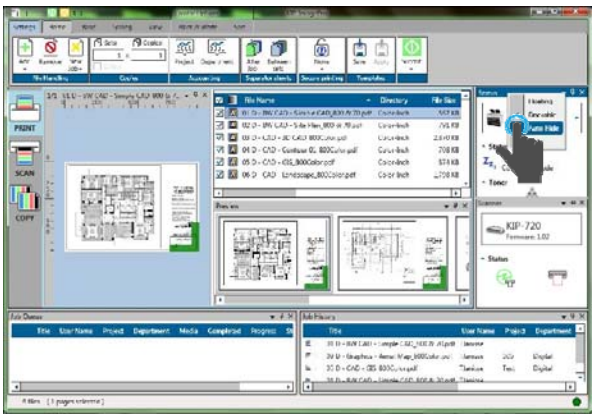
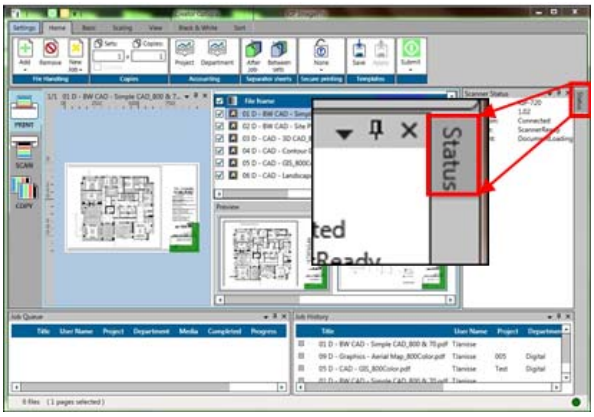
5.3 Auto Hide

Step	Action	Illustration
1.	**Auto Hide** – Hides panes that are not in use. If a pane is used but not that often it is possible to Auto Hide this pane. Right click on the top bar of the pane.	
2.	When the drop down opens select the Auto Hide function.	
3.	The Status Pane will now show up on the right side of the screen as a small tab.	

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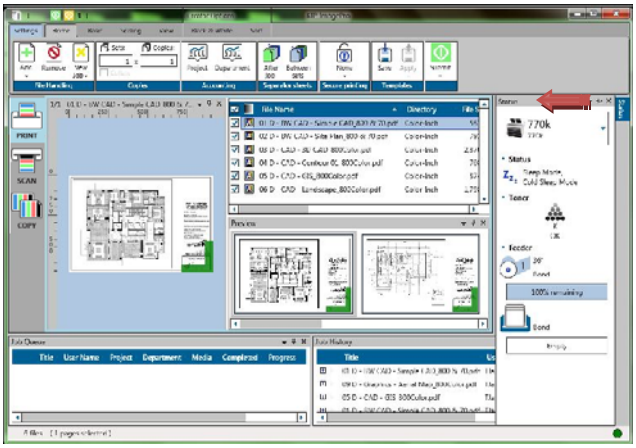
Step	Action	Illustration
4.	Mouse over the tab and the Pane will pop out again and then Auto Hide when not in use.	

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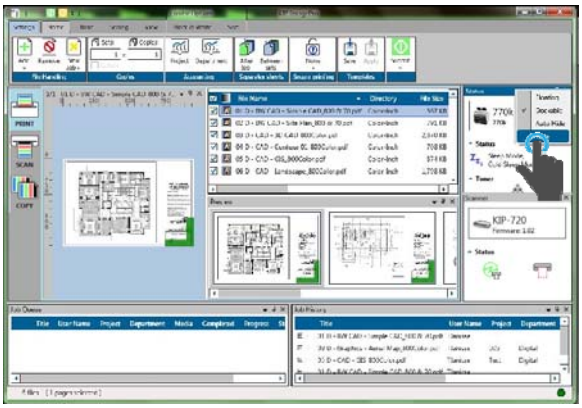
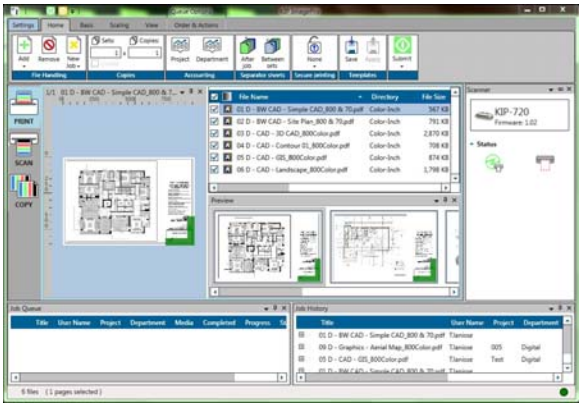
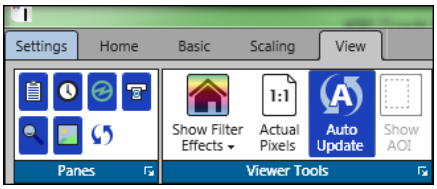
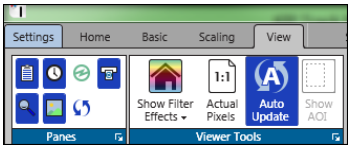
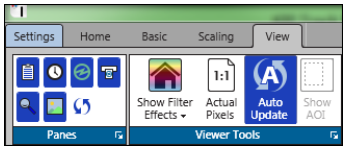
5.4 Hide

Step	Action	Illustration
1.	**Hide** – Remove Pane. If a pane is not going to be used it is also possible to just Hide that pane from sight. Right Click on the top bar of the pane to be hidden and then select the Hide function.	
2.	Once Hide is selected the pane will no longer be available. **Note:** The right side no longer has a Status pane.	
3.	To return a pane that has been Hidden (not Auto Hide) Go to the View tab.	
4.	The Status Icon will be un selected. Select it again and this will add the Status Pane back to the Main screen	Status Off  Status On 

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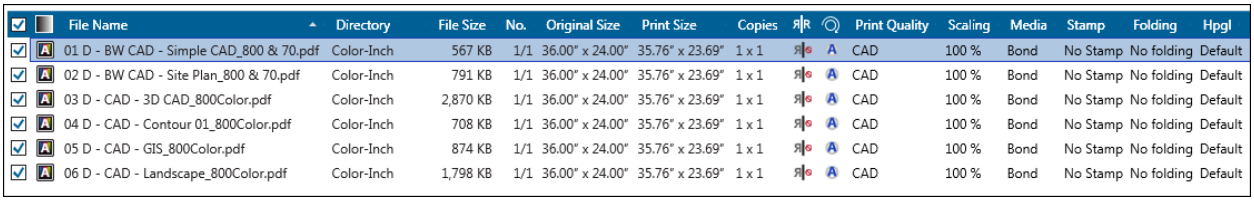
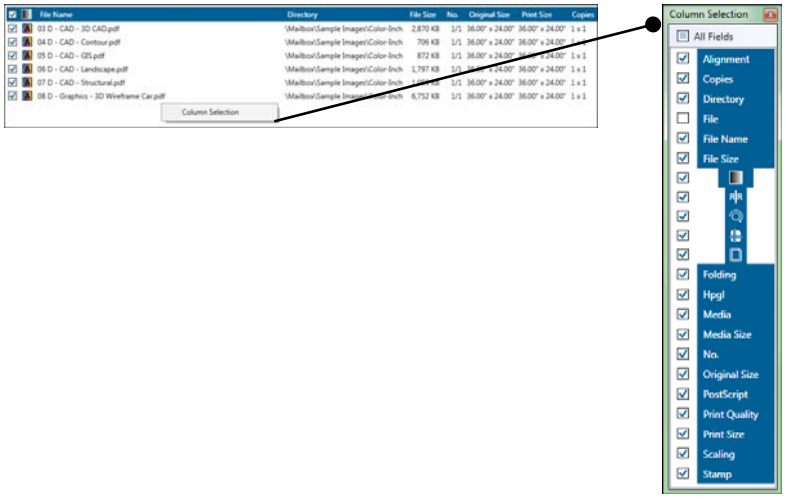
5.5 Job Matrix Configuration

The Job Matrix section can be manipulated for the best work flow for the user as well as used to configure the files in the current job.



File Name	Directory	File Size	No.	Original Size	Print Size	Copies	Print Quality	Scaling	Media	Stamp	Folding	Hpgl
01 D - BW CAD - Simple CAD_800 & 70.pdf	Color-Inch	567 KB	1/1	36.00" x 24.00"	35.76" x 23.69"	1 x 1	CAD	100 %	Bond	No Stamp	No folding	Default
02 D - BW CAD - Site Plan_800 & 70.pdf	Color-Inch	791 KB	1/1	36.00" x 24.00"	35.76" x 23.69"	1 x 1	CAD	100 %	Bond	No Stamp	No folding	Default
03 D - CAD - 3D CAD_800Color.pdf	Color-Inch	2,870 KB	1/1	36.00" x 24.00"	35.76" x 23.69"	1 x 1	CAD	100 %	Bond	No Stamp	No folding	Default
04 D - CAD - Contour 01_800Color.pdf	Color-Inch	708 KB	1/1	36.00" x 24.00"	35.76" x 23.69"	1 x 1	CAD	100 %	Bond	No Stamp	No folding	Default
05 D - CAD - GIS_800Color.pdf	Color-Inch	874 KB	1/1	36.00" x 24.00"	35.76" x 23.69"	1 x 1	CAD	100 %	Bond	No Stamp	No folding	Default
06 D - CAD - Landscape_800Color.pdf	Color-Inch	1,798 KB	1/1	36.00" x 24.00"	35.76" x 23.69"	1 x 1	CAD	100 %	Bond	No Stamp	No folding	Default

Step	Action	Illustration
1.	**Column Chooser** – Right Click in the Job Matrix area to open the Column Chooser to turn on/off individual fields that may or may not be used.	
2.	**Color Mode** – Select the dropdown to select from available color modes. • B&W • Greyscale • Color (if attached to a color printer)	
3.	**File Name** – Displays the name of the selected file.	

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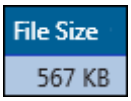
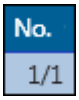
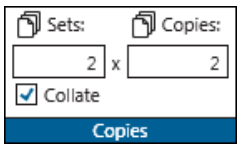
Step	Action	Illustration
4.	**Directory** – Displays the location of the selected file.	
5.	**File** – Displays both the file name and the file location.	
6.	**File Size** – Displays the actual File size.	
7.	**Number (NO.)** – Displays the number of the file. If a multipage is selected this would be noted here.	
8.	**Original size** – Displays the original size of the file.	
9.	**Print Size** – Displays the output size of the selected file (s)	
10.	**Sets/Copies** – Displays the number of sets and copies to be printed. **Note:** Double clicking in this field will allow sets to be adjusted for entire job as well as copies to be adjusted for that specific file	

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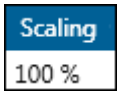
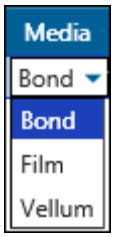
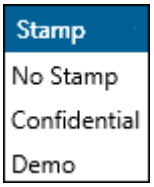
Step	Action	Illustration
11.	**Mirror –** Mirrors selected file (black to white and White to Black)	
12.	**Rotate** – Allows for the rotation of the selected file(s).	
13.	**Print Quality –** Displays the selected Print Quality setting assigned to the specific file(s).	
14.	**Scaling** – Displays the scaling percentage for the selected file(s).	
15.	**Media** – Select from Available configured medias including: • Bond • Vellum • Film Custom medias will show here as well	
16.	**Stamp** – Select available stamps to be applied to the final output.	
17.	**Folding** – if a folder is attached the user can select from pre-configured folding packets or let the Printer determine the fold based on size.	`

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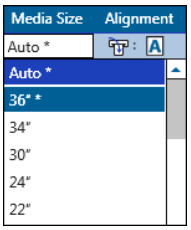
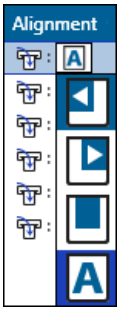
Step	Action	Illustration
18.	**HPGL –** Used to apply pre-configured HPGL templates.	
19.	**Postscript -** Used to apply pre-configured Postscript templates.	
20.	**Media Size –** Used to specify the Media size (roll) to print on.	
21.	**Alignment – Select from the following:** • **Left Justify** • **Right Justify** • **Centered** • **Auto**	
22.	**Closest/Exact Media -** Enable/Disable Maximum allowable waste to print small size images on larger sheet sizes. Prevents small images from printing on the largest size roll based on the wastage percentage. This is used so that the least amount of waste is produced when printing.	

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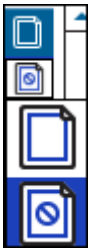
Step	Action	Illustration
23.	**Remove White Borders –** Removes excess white borders for files being printed.	

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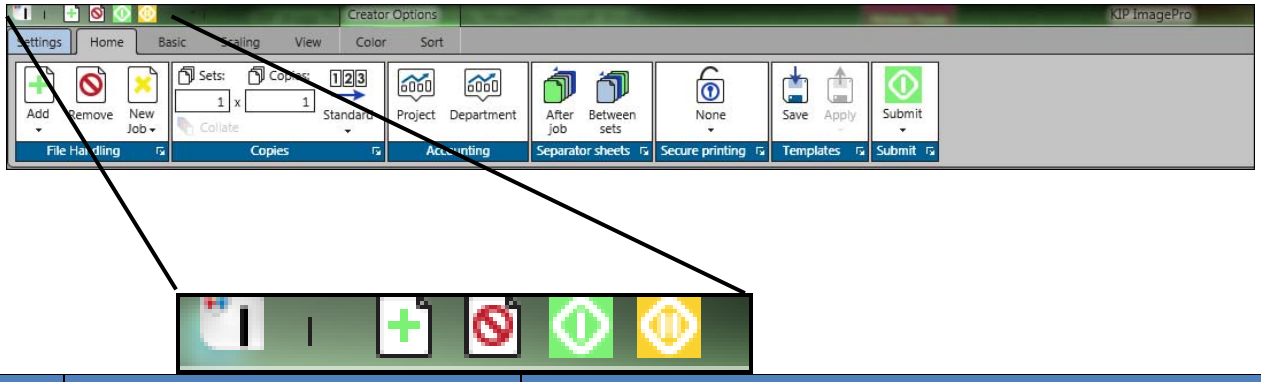
5.6 Quick Access Toolbar

The Quick Access Toolbar allow for the customization of a toolbar for frequently used buttons making them available on all pages. This reduces the need to go back to a specific tab to do a function such as Submit the job from the Home tab.



Step	Action	Illustration
1.	Quick access toolbar	This toolbar by default will be located at the top left of the screen. Ican be moved to below the ribbon
2.	Right Click on the Quick Access Toolbar and select “Show Quick Access Toolbar Below the Ribbon	

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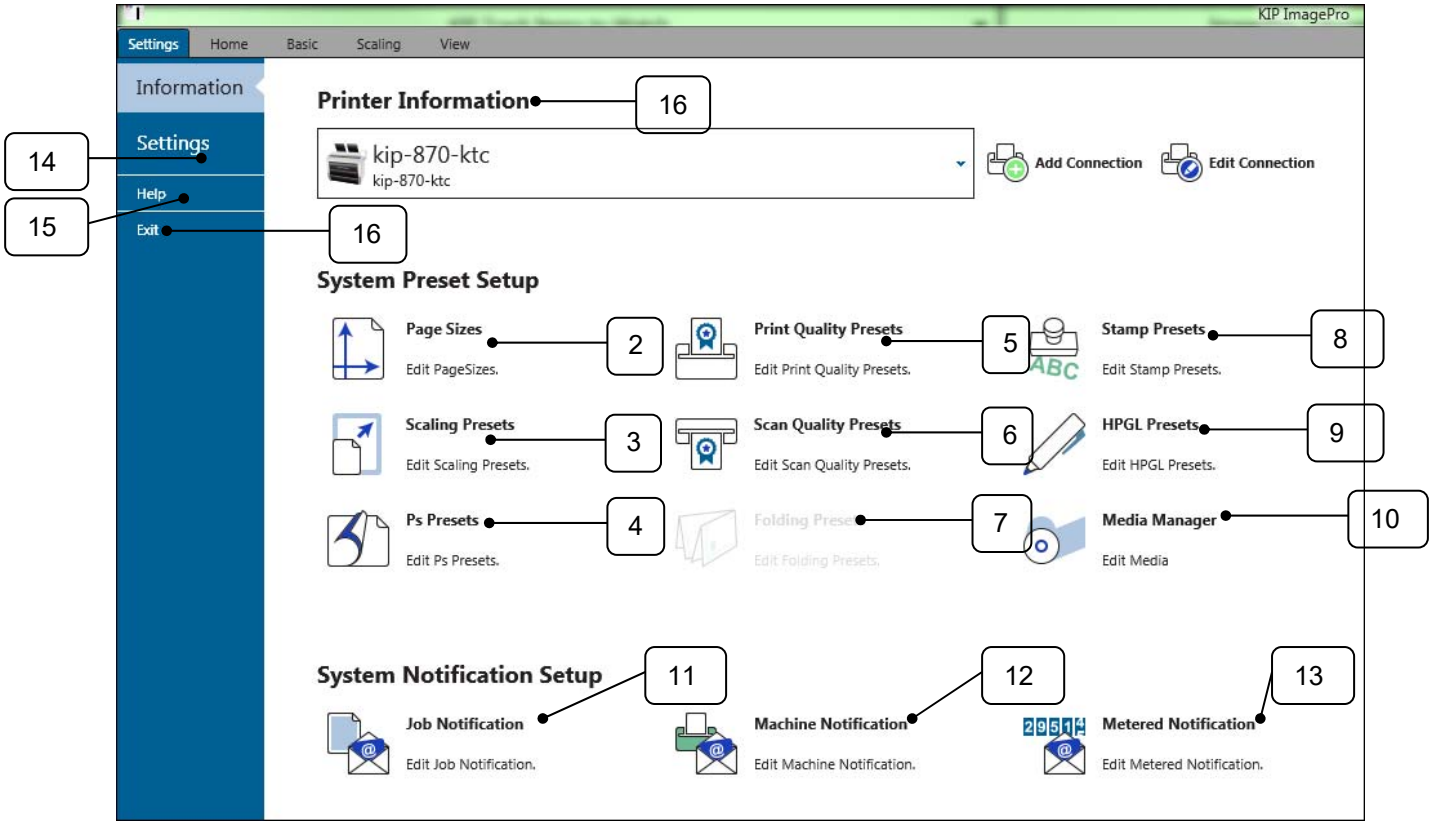
6 System Presets/Notifications Setup

System Presets are presets that are configured through KIP ImagePro that control the functions of specific items associated with the KIP Printer. This section will describe how to configure the available presets from within KIP ImagePro.

- Scan Quality Presets
- Stamp Presets
- Page Size
- Job Notifications
- PS Presets
- Scaling Presets
- Folding Presets
- HPGL Presets
- Media Manager
- Machine Notification
- Metered Notification

Please note: These same presets can also be configured through KIP PrintPro.Net.



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Component	Function
1. Printer Information	Allows users to add new KIP Printers or edit existing KIP Printers
2. Page Sizes	Allows users to Edit Page Sizes
3. Scaling Presets	Allows users to Edit Scaling Presets
4. Postscript Presets	Allows for the adjustments of Postscript settings.
5. Print Quality Presets	Allows users to Edit Print Quality Presets
6. Stamp Presets	Allows users to Edit Stamp Presets
7. Folding Presets	Allows users to Edit Folding Presets
8. Scan Quality Presets	Allows users to Edit Scan Quality Presets
9. HPGL Presets	Allows users to Edit HPGL Presets
10. Media Manager	Allows user to Create New Medias
11. Job Notification	Allows users to Edit Job Notifications
12. Machine Notification	Allows users to Edit Machine Notifications
13. Metered Notification	Allows users to Edit Metered Notifications
14. Settings	Allows the use to select preferences for their workstation
15. Help	Provides application version
16. Exit	Closes KIP ImagePro

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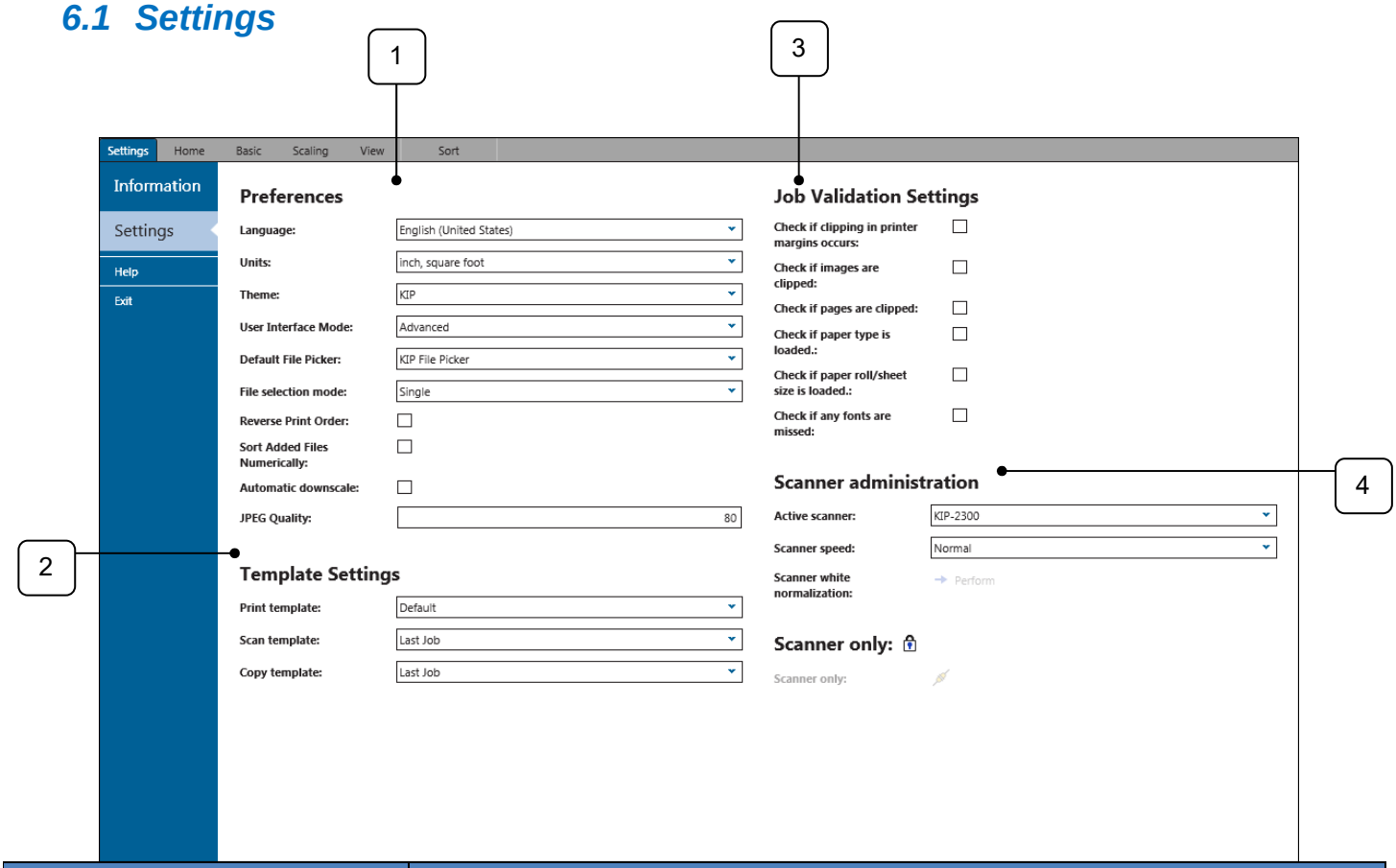
6.1 Settings



Component	Function
1. Preferences	Used to set the user preferences for ImagePro at this workstation including: • Language – Used to set language on this instance of ImagePro • Units – Used to set the units for printing • Theme – used to set the color scheme • Default File Picker – used to set the default file selection tool to be used. • User Interface Mode – Used to set the software into Standard Mode (less features) or Advanced Mode (all features). • File Selection mode – Used to be able to select more than one copy of a file.

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Component	Function
2. Template Settings	Allows users to set a specific template to be used as the default for the ImagePro Application at their workstation. A **Note: The Template that is selected here from the dropdown list will be the default template used on this instance of KIP ImagePro.**
3. Job Validation Settings	Set to confirm job settings will be valid for printing. • **Check Clipping in Printer margins occurs** - Warns the user if image content (inked area) is within the non-printable margins of the printer • **Check if images are clipped** - Warns if image is clipped (e.g. scaled bigger than roll) • **Check if pages are clipped** - Warns if image is clipped (e.g. placed on smaller sheet) • **Check if paper type is not loaded** - Warns if selected media type is not loaded, so that job will most likely not print • **Check if roll/sheet size is not loaded** - Warns if selected roll width is not loaded, so that job will most likely not print **Check if any fonts are missed** - Warns if fonts which are used in the file are missing (not embedded in file and not installed to controller) so that a font replacement will take place.

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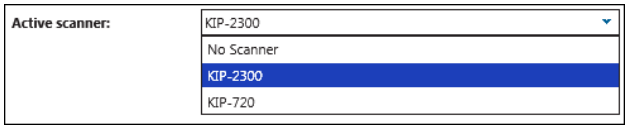
Component	Function
4. Scanner Administration	• Active Scanner – Used to set the scanner type connected  • Scanner Speed – Used to set the scanner speed to Normal (matches the dpi selected in the application) or Slow (sets the speed to 600 DPI) through-put. • Scanner normalization – Used to perform White Balance of attached scanner. Note: White balance sheet needed). • Scanner Only – Used when no printer is attached (stand-alone setup). Print and Copy buttons will not be displayed.

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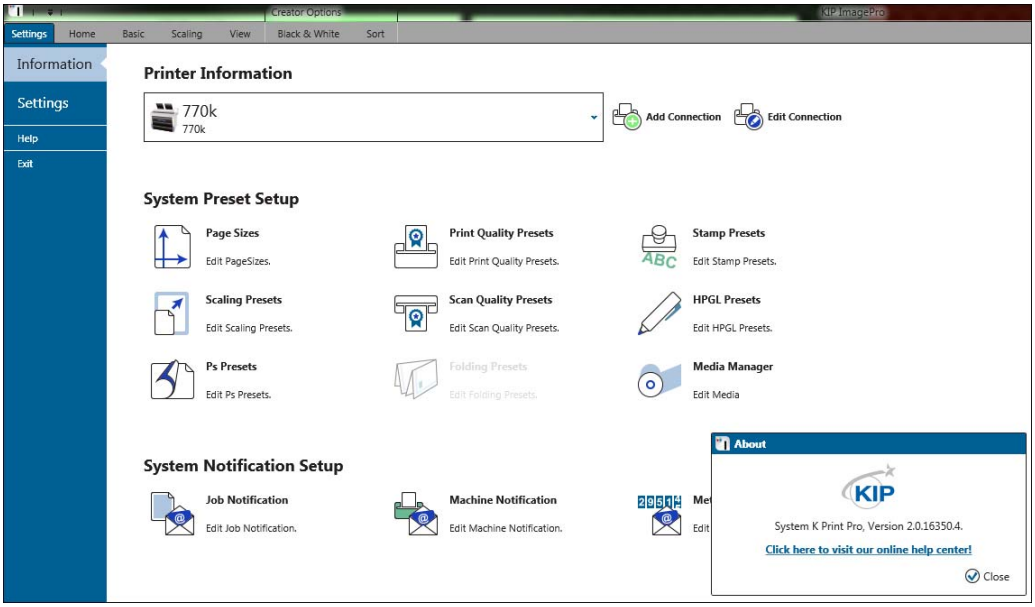
6.2 Help



Component	Function
1. Help	Selecting Help displays the Application version number.

6.3 Exit

Component	Function
2. Exit	Closes ImagePro Application

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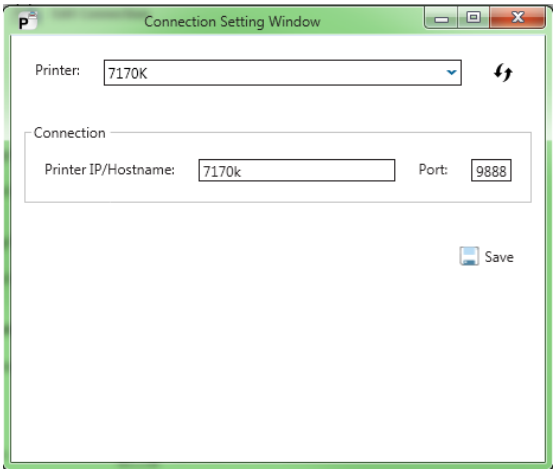
6.4 Printer Installation and Setup

The first step is to add the KIP Printer. This must be done to make the connection from the workstation to the KIP Printer so that jobs can be sent to be printed.
KIP ImagePro can be installed using two different methods:

1. Standard Installation package (executable)
2. Installed by pulling the application from the KIP Printer via KIP PrintPro.Net

If the KIP ImagePro application is pulled from the KIP Printer, once installed it will already be connected to the KIP. If, however KIP ImagePro is installed via an install package, the following will be necessary.

Step	Action	Illustration
1.	Select the Add Connection button.	
2.	The Connection Setting Window will open. This is where the following information will be entered: **Printer Name** – The name given to the KIP Printer during installation. **Connection (IP/Hostname)** – The IP address or the Hostname set at the Printer during Installation. **Port** – Port Number that will be used (default is 9888)	
3.	Printer is going to be set to the Printer name given to the KIP Printer during install.	
4.	**Save –** Select Save to set the new connection. When connection is made the Printer Information screen becomes active.	

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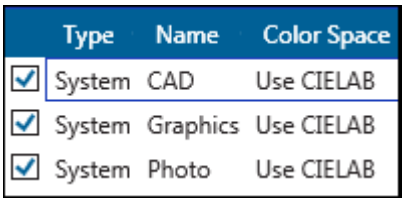
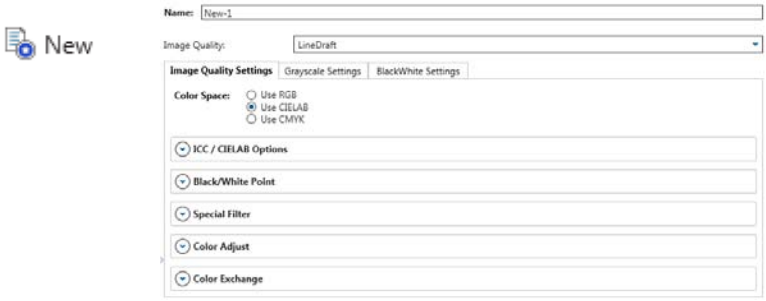
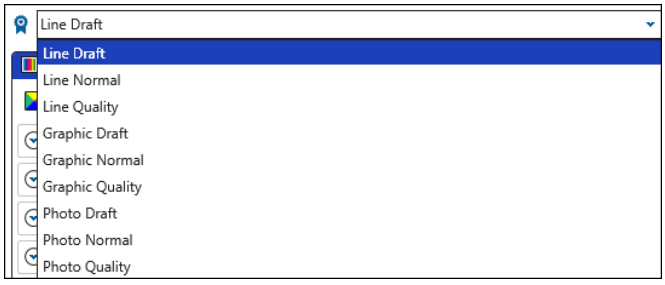
6.5 Print Quality Presets

Step	Action	Illustration
1.	Select the Print Quality Icon	
2.	Once open this screen will show all the pre-configured Print Quality modes as well as allow for the creation of new presets.	
3.	Selecting the “New” icon will allow for the creation of a new Print Quality preset. Fill in the appropriate sections and select “Save” to save the Preset or Save (active) to save the Preset and make it active as well.	
4.	**Name**– This is the name that will be displayed in the Preset list of names and will be displayed on the main screen.	
5.	**Image Quality** – Choose from the Dropdown of available settings.	

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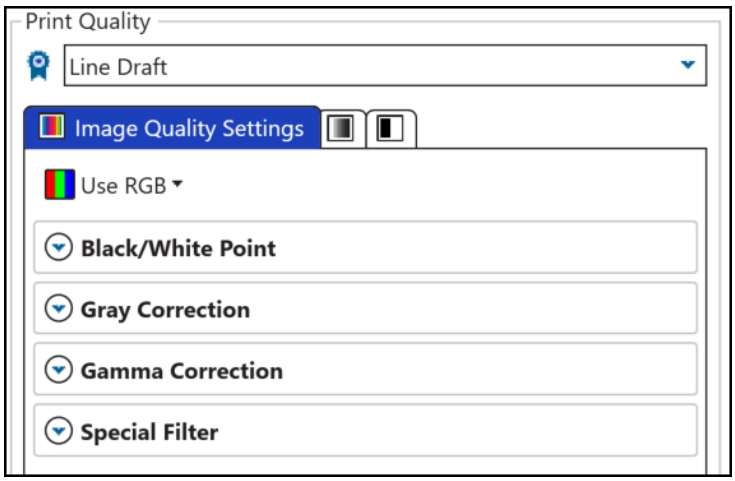
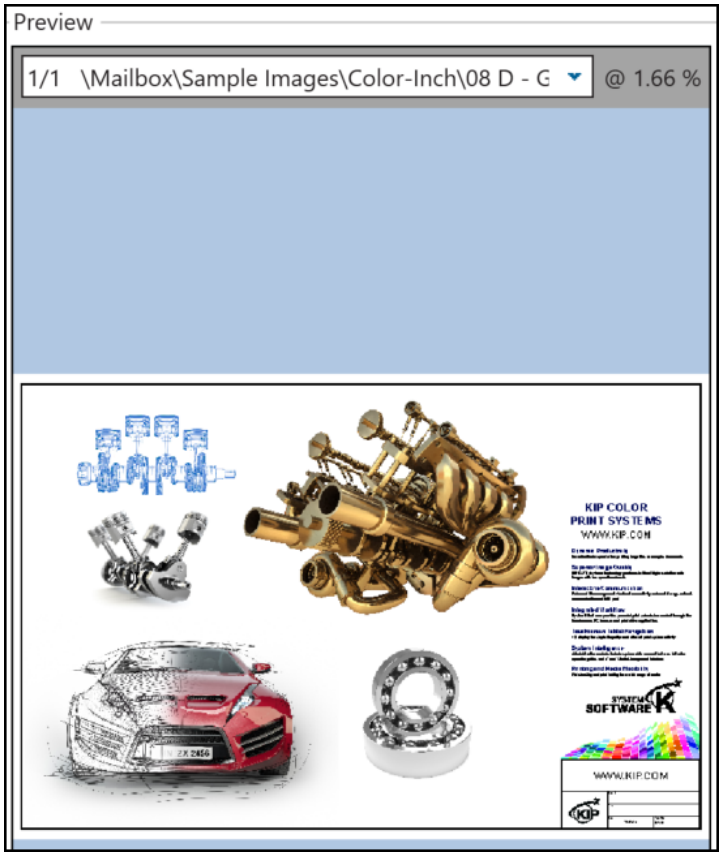
6.5.1 RGB Settings

Step	Action	Illustration
	Color Settings –CMYK Options: **Use RGB:** • **Black/White Point –** o **Adaptive mode – Auto quality** o **Manual – Allows the user to manually adjust with sliders.** • **Gray Correction** – • **Gamma Correction** – • **Special Filter -**	 HD Preview – Shows changes being made. 

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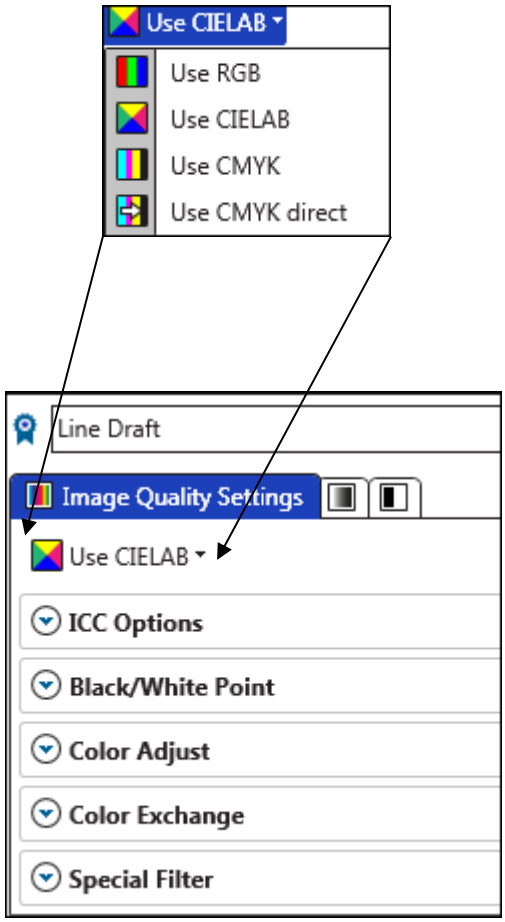
6.5.2 CIELAB Settings:

Step	Action	Illustration
6.	**Color Setting** – There are multiple color settings that can be applied to the selected Color Space: • **Use RGB** o Use RGB - allows for the setting of Black/White Point, Gray Correction, Gamma Correction and Special Filters. • **Use CIELAB** o Use CIELAB - allows for the setting of ICC/CIELAB Options, Black/White Point, Special Filter, Color Adjust and Color Exchange. • **Use CMYK** o Use CMYK – allows for the setting of ICC profiles (RGB, CMYK, Rendering Intents) and CMYK spscific options. • **Use CMYK direct** o Use CMYK - has no additional settings as this uses the CMYK setting in the file created..	

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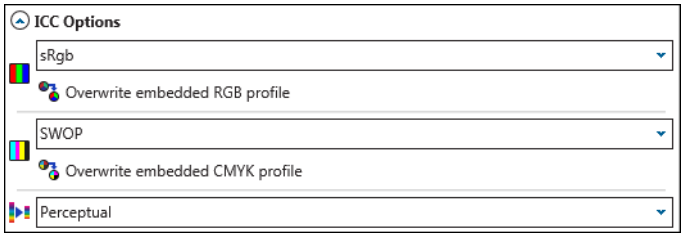
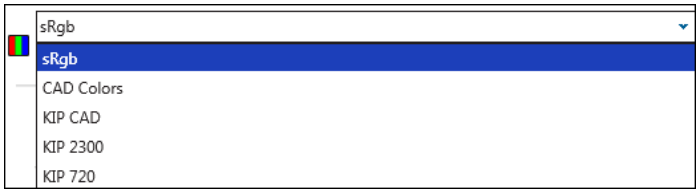
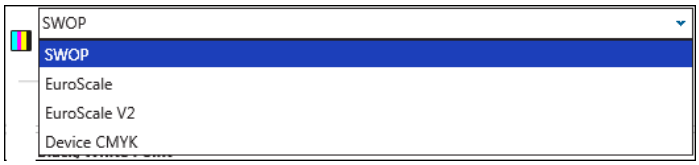
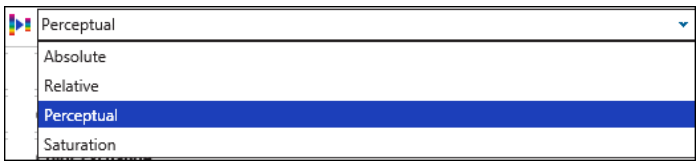
Step	Action	Illustration
	Color Settings –CIELAB Options: • **RGB Profiles** – Choose from sRGB with Overwrite embedded RGB profile on or off. • **CMYK Profiles** – Choose from SWOP and Euroscale with Overwrite embedded CMYK profile on or off. • **Rendering Intent** – Choose from o Perceptual o Absolute o Relative o Saturation	 RGB  CMYK  Rendering Intent 

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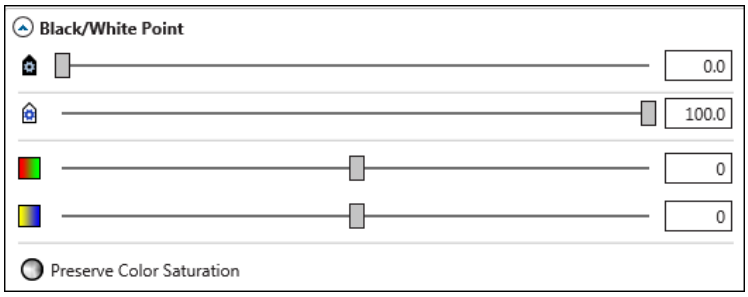
Step	Action	Illustration
	Color Settings – CIELAB Options Continued: **Black/White Point** • **Black Point** – Control the Lightness 0 to 100. 0. The lower the value the darker the output. • **White Point** – Control the Lightness 100 to 0. The higher the value the lighter the output. • **Red to Green** - Control the red to green value 0 to 127. The higher the value the more green in the output/the lower the value the more red in the output. • **Yellow to Blue** - Control the yellow to blue value 0 to 127. The lower the value the more yellow in the output/the higher the value the more blue in the output. • **Preserve Color Saturation** - Select Preserve Color Saturation to keep Color Saturation unaffected by any changes to Black and White Point.	

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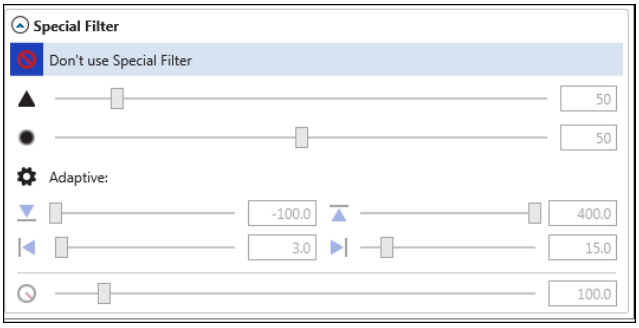
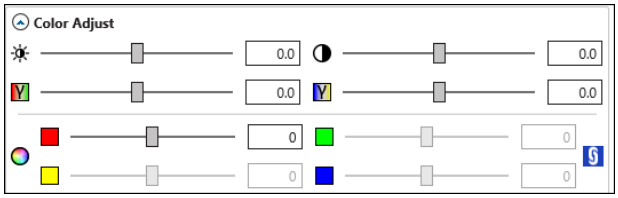
Step	Action	Illustration
	Color Settings – CIELAB Options Continued: **Special Filter**	
	▪ **Don't Use Special Filter** – Special filter is not used when this is selected ▪ **Sharpening Mode** – Used to make fuzzy picture clear. As outlines are enhanced, pictures become clearer. This setting increases the contrast between light and dark pixels and enhances the edge sharpness of text and lines drastically. 0 no sharpening 100 max sharpening. Default is 50. ▪ **Smoothing Mode** - To reduce image noise and distortions, and affects the whole picture contrast. ▪ **Adaptive Mode** - Is made of two unique filters, both possessing the features of SHARP and SMOOTH, whose intensity can be adjusted in the entry fields under LEVEL. The upper entry field controls foreground objects that should be enhanced, such as text, whereas the lower field is for image backgrounds needing smoothing. With both filters, you will reach a maximum smoothing effect at **0** and a maximum sharpening effect at **100**. ▪ **Filter Radius** – The Filter Radius value will change the number of pixels that are affected by the current filter.	
	Color Adjust – Allows a fine tuning of the colors in the LAB color space.	
	The saturation channels are two half axis of the a- and b-channels. Brightness – Move the slider to control the brightness of the image lighter to darker. Contrast – Move the slider to control the Contrast of the image lighter to darker Red/Green Adjustment – Allows for adjusting the Red/Green in the image with the sliders. Blue/Yellow adjustment – Allows for adjusting the Blue/Yellow in the image with the sliders. Saturation – Control the overall saturation of the file (if chain is linked) or individual adjustments (if chain is unlinked)	

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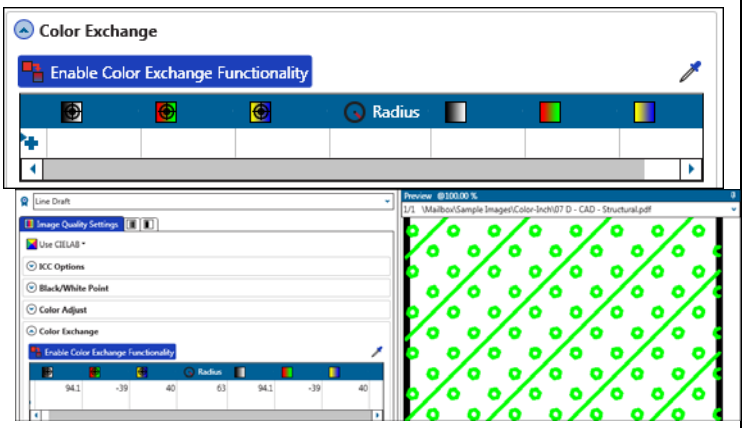
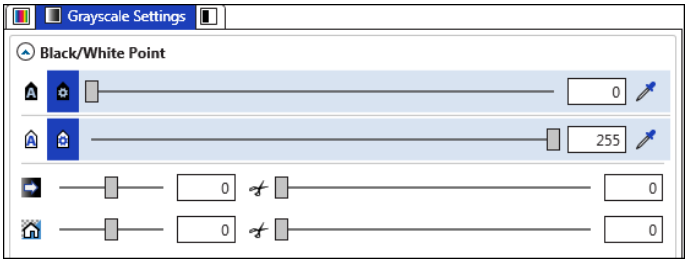
Step	Action	Illustration
7.	**Color Settings – CIELAB Options Continued:** **Color Exchange** – To use select the Color Picker (eye dropper) and select the color to be changed. Or enter the Source color LAB values manually in the first three spaces (if available) **Note: this is done by selecting the file to perform the color exchange on from the dropdown list in the preview section.** To change the Target color (last three values (see spot color guide) enter the Target color LAB values in the last three spaces.	
8.	**Greyscale Settings** - There are multiple settings that can be applied to this selection: • Black/White Point • Advanced • Special Filter	

- **Black Point**
  - Adaptive (BP) - The adaptive values cannot be edited; they are calculated for every file. This auto detects and sets the Blackpoint
  - Custom Gray Value (BP) can be adjusted from 0 to 255. Setting this to a higher value will produce darker text.
- **White Point**
  - Adaptive (WP) - The adaptive values cannot be edited; they are calculated for every file. This auto detects and sets the White Point.
  - Custom Gray Value (WP) can be adjusted from 0 to 255. Setting this to a lower value will produce lighter text.
- **Black Enhancement**
  - The Black Enhancement enables you to edit black values. The lower the number the lighter the black. Clip will determine the new base black value depending on the black value set in Black Enhancement.
- **Background Removal**
  - Used to tune background contrast (e.g. to further fine-tune text visibility). You may additionally reduce or improve the white to grey-values. The higher the clipping value, the brighter and whiter the image's most white elements will become.

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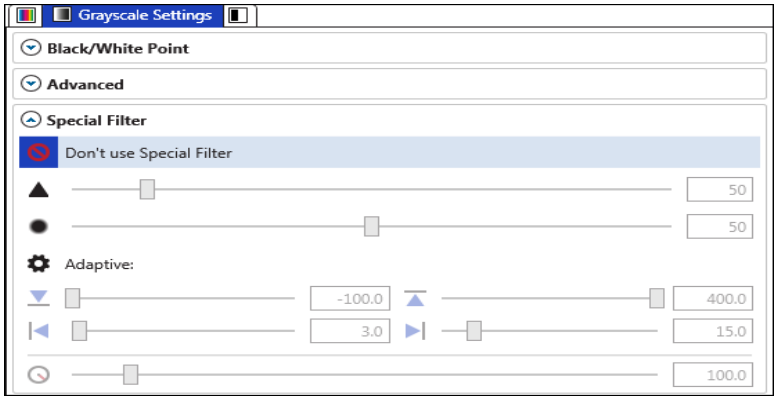
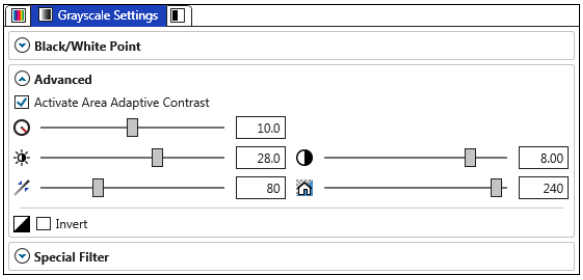
Step	Action	Illustration
	Greyscale Settings – CIELAB Options Continued: • Special Filter	
	▪ **Don't Use Special Filter** – Special Filter is not used when this is selected. ▪ **Sharpening**– Used to make fuzzy picture clear. As outlines are enhanced, pictures become clearer. This setting increases the contrast between light and dark pixels and enhances the edge sharpness of text and lines drastically. 0 no sharpening 100 max sharpening. Default is 50. ▪ **Smoothing Mode** - To reduce image noise and distortions, and affects the whole picture contrast. ▪ **Adaptive Mode** - Is made of two unique filters, both possessing the features of SHARP and SMOOTH, whose intensity can be adjusted in the entry fields under LEVEL. The upper entry field controls foreground objects that should be enhanced, such as text, whereas the lower field is for image backgrounds needing smoothing. With both filters, you will reach a maximum smoothing effect at **0** and a maximum sharpening effect at **100**.	
	Greyscale Settings • Advanced	
	• Radius – The Number of Pixels affected by current filter settings (values 0 to 20) • Brightness – Adjust the overall brightness of the image (values -100 to 100) • Contrast - Adjust the overall brightness of the image (values 0.01 to 10) • Max Line Blackening – Limits the value for the shade of gray considered as black by adjusting the density of black (values 0 to 255) • Max Background Removal – Limits the value for the shade of gray considered as white by adjusting the density of black to be removed (values 0 to 255) • Invert – Inverts the image black to white and white to black	

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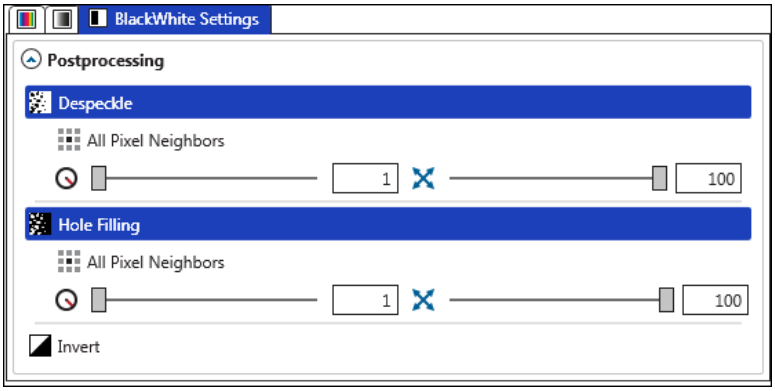
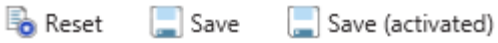
Step	Action	Illustration
9.	**Black/White Settings** - There are multiple settings that can be applied to this selection:	
	Despeckle - This option removes black pixels in black & white mode, for example from scans of murky originals. The filter searches for groups of black pixels and converts them into white. Small-sized pixel groups, such as those forming punctuation dots, are kept. **All Pixel Neighbors** - Pixels are connected neighbors when there is a series of 8 (instead of 4) adjacent pixels, i.e. additionally to pixels of the same row or column, the diagonally-adjacent pixels are considered to be connected. **Filter Size** – It corresponds to the maximum "diameter" of the pixel area which is to be removed. **Hole Filling** - This function makes it possible to remove single pixel-sized white holes from black areas in *b&w* mode. **Invert** – Changes black to white and white to black	
10.	**Reset/Save/Save (activated)** – **Reset** – Resets to default settings **Save** – Saves the new preset but does not make it active for use. **Save (activated)** – Saves the new preset activated and ready for use.	

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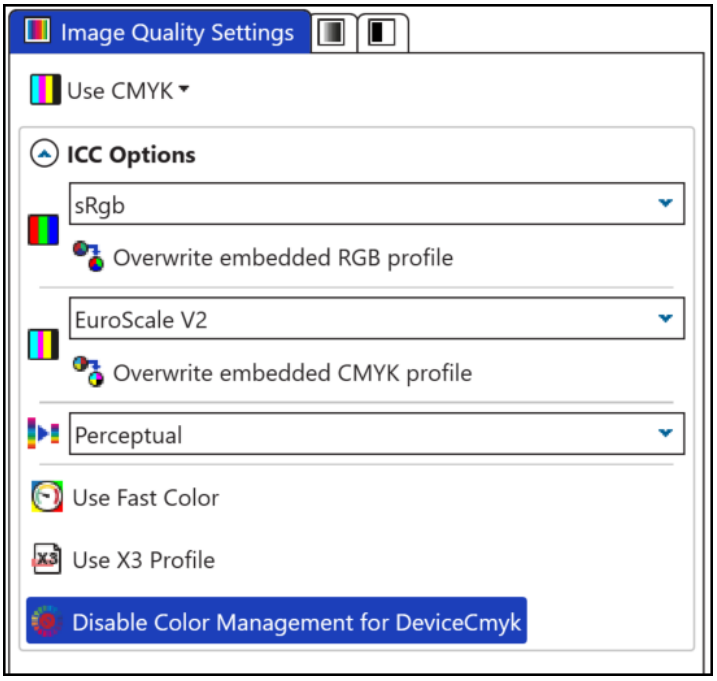
6.5.3 CMYK Settings

Step	Action	Illustration
	Color Settings –CMYK Options: **Use CMYK:** • **ICC Options:** • **RGB Profiles** – Used to select and apply available RGB profiles from a dropdown list. o **sRgb** o **CAD Colors** o **KIP CAD** o **KIP 2300** o **KIP 720** • **CMYK Profiles** – Used to select and apply available CMYK profiles from a dropdown list. o **SWOP** o **EuroScale** o **EurpScale V2** o **Device CMYK** • **Rendering Intent -** – Used to select and apply different rendering intents from a dropdown list. o **Absolute** o **Relative** o **Perceptual** o **Saturation** • **Use Fast Color** • **Use X3 Profile** • **Disable Color Management for DeviceCmyk**	

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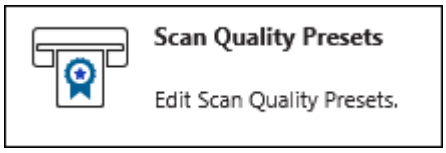
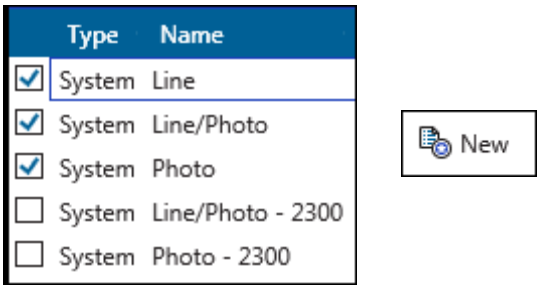
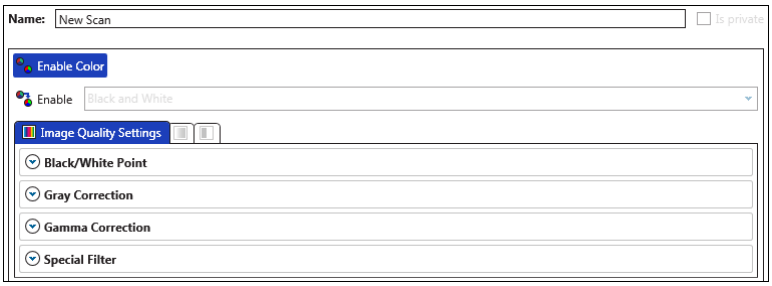
6.6 Scan Quality Presets

Step	Action	Illustration
1.	Select the Scan Quality Presets Icon	
2.	Once open this screen will show all the pre-configured Scan Quality Preset modes as well as allow for the creation of new presets. Note: If a 2300 scanner is being used please select the two presets for the 2300 scanner and unselect the Line/Photo and Photo without 2300 designation.	
3.	Selecting the “New” icon will allow for the creation of a new Scan Quality Preset. Fill in the appropriate sections and select “Save” to save the Preset or Save (active) to save the Preset and make it active as well.	
4.	**Name**– This is the name that will be displayed in the Preset list of names and will be displayed on the main screen.	

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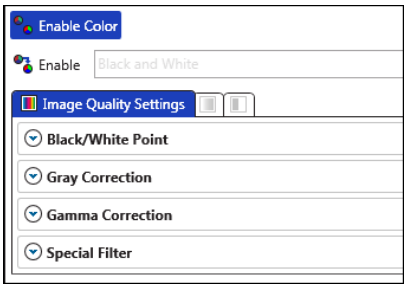
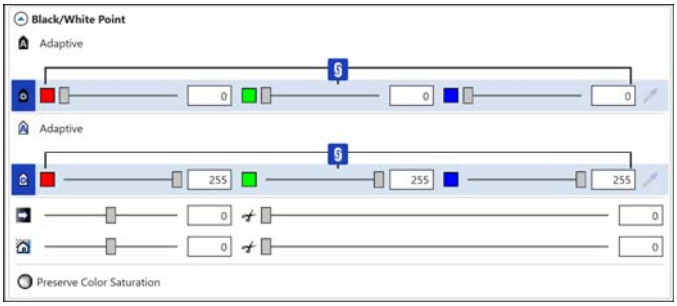
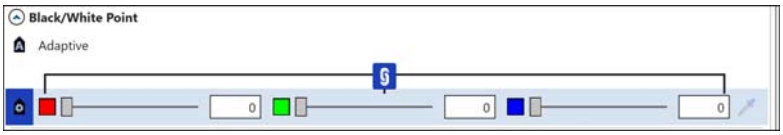
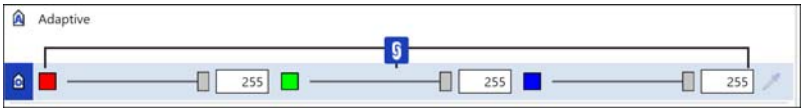
Step	Action	Illustration
5.	**Color Space** – Choose from: Enable Color – Enables the color settings Enable – Enables the Grayscale and B&W settings, select mode with dropdown. **Note**: Both boxes checked will enable Color, Grayscale and B&W	
6.	**Color Settings** **Blackpoint** • **Adaptive (BP) -** The adaptive values cannot be edited; they are calculated for every file. This auto detects and sets the Blackpoint. • **Consider Chroma -** The adaptive values cannot be edited; they are calculated for every file. If the black values contain colors, please check the box Consider Chroma to remove them. • **Custom Values –** Control the values for the Red/Green/Blue settings. **White Point** • **Adaptive (WP)** - The adaptive values cannot be edited; they are calculated for every file. This auto detects and sets the White point. • **Consider Chroma -** The adaptive values cannot be edited; they are calculated for every file. If the white values contain colors, please check the box Consider Chroma to remove them. • **Custom Values -** Control the values for the Red/Green/Blue settings.	  

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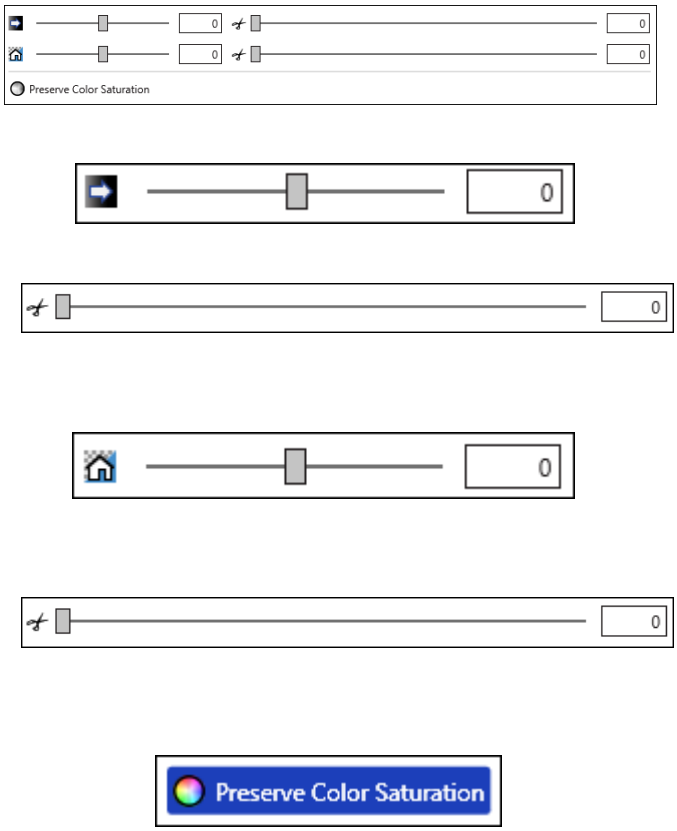
Step	Action	Illustration
	Blackpoint – Continued **Black Enhancement/Clip -** The Black Enhancement enables you to edit black values. Setting the value lower will cause a lighter black value, whereas a higher value will result in darker black. **Clip -** Will determine the new base black value depending on the black value set in Black Enhancement. **Background Removal/Clip -** You may additionally reduce or improve the background contrast: set the value higher to set a brighter contrast, set lower to determine a low-key contrast. **Clip -** The higher the clipping value, the more the images grey-to-white-values will become brighter and whiter. **Preserve Color Saturation –** Check the box Preserve Color Saturation to keep Color Saturation unaffected by any changes to Black point and White point.	
	Gray Correction – Used to make simple gray adjustments to the gray output. Adjust the Red/Green/Blue by typing values into the table.	

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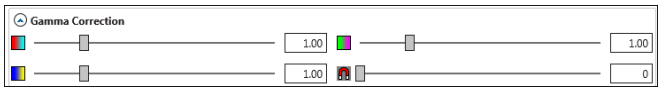
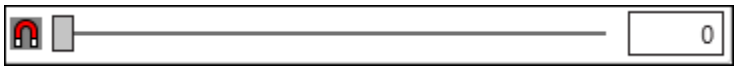
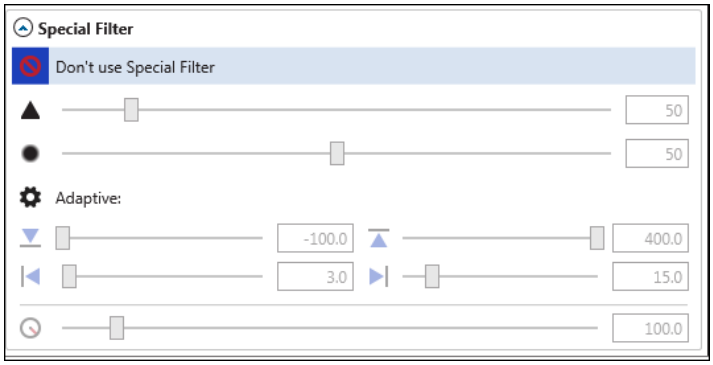
Step	Action	Illustration
	Gamma Correction – • Gamma Correction - Allows the adjustment of color shifts in the middle tone range and to correct the brightness. • Snap to Gray - With Snap to Gray you can define how far the RGB values can differ. You may combine the two options.	 
	Special Filter	
	▪ **Don't Use Special Filter** – Special filter is not used when this is selected ▪ **Sharpening Mode** – Used to make fuzzy picture clear. As outlines are enhanced, pictures become clearer. This setting increases the contrast between light and dark pixels and enhances the edge sharpness of text and lines drastically. 0 no sharpening 100 max sharpening. Default is 50. ▪ **Smoothing Mode** - To reduce image noise and distortions, and affects the whole picture contrast. ▪ **Adaptive Mode** - Is made of two unique filters, both possessing the features of SHARP and SMOOTH, whose intensity can be adjusted in the entry fields under LEVEL. The upper entry field controls foreground objects that should be enhanced, such as text, whereas the lower field is for image backgrounds needing smoothing. With both filters, you will reach a maximum smoothing effect at **0** and a maximum sharpening effect at **100**.	

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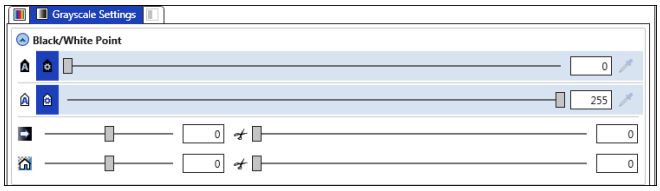
Step	Action	Illustration
7.	**Grayscale Settings –** Grayscale Settings consist of: • Black/White Point • Special Filter • Advanced settings	
	▪ **Black Point** • Adaptive (BP) - The adaptive values cannot be edited; they are calculated for every file. This auto detects and sets the Blackpoint. • Custom Gray Value (BP) can be adjusted from 0 to 255. Setting this to a higher value will produce darker text. ▪ **White Point** • Adaptive (WP) - The adaptive values cannot be edited; they are calculated for every file. This auto detects and sets the White Point. • Custom Gray Value (WP) can be adjusted from 0 to 255. Setting this to a lower value will produce lighter text. ▪ **Black Enhancement** • The Black Enhancement enables you to edit black values. The lower the number the lighter the black. Clip will determine the new base black value depending on the black value set in Black Enhancement. ▪ **Background Removal** Used to tune background contrast (e.g. to further fine-tune text visibility) you may additionally reduce or improve the white to grey-values. The higher the clipping value, the brighter and whiter the image's most white elements will become.	

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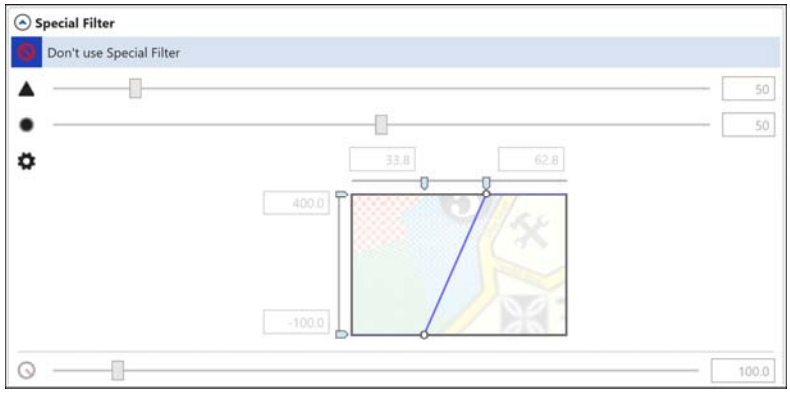
Step	Action	Illustration
	Special Filter	

- **Don't Use Special Filter** – Special Filter is not used when this is selected
- **Sharpening Mode** – Used to make fuzzy picture clear. As outlines are enhanced, pictures become clearer. This setting increases the contrast between light and dark pixels and enhances the edge sharpness of text and lines drastically. 0 no sharpening 100 max sharpening. Default is 50.
- **Smoothing Mode** - To reduce image noise and distortions, and affects the whole picture contrast.
- **Adaptive Mode** - Is made of two unique filters, both possessing the features of SHARP and SMOOTH, whose intensity can be adjusted in the entry fields under LEVEL. The upper entry field controls foreground objects that should be enhanced, such as text, whereas the lower field is for image backgrounds needing smoothing. With both filters, you will reach a maximum smoothing effect at **0** and a maximum sharpening effect at **100**.

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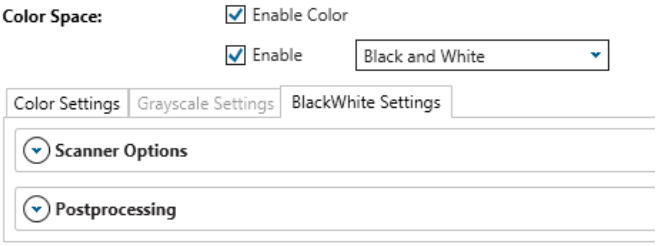
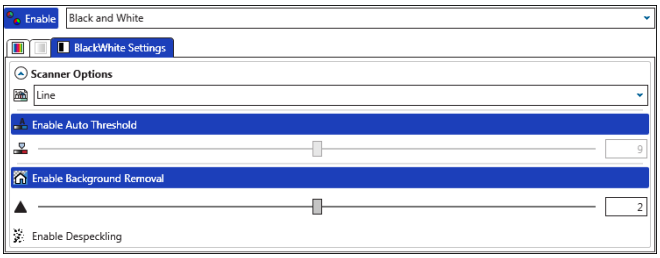
Step	Action	Illustration
8.	**Black/White Settings –** Black/White settings consist of: • Scanner Options	
	Scanner Options **Note:** The Scanner options in black and white mode are scanner dependent. All settings in this filter are transmitted to the scanner, where they are processed. The software is just the front end. Therefore, some settings may be not described; some settings may not be available.	
	▪ **Original** – Choose from Line, Line/Photo or Name ▪ **Auto Threshold** - When this option is activated, the scanner reads gray tones as follows: gray tones under the threshold turn to 0 (black), while all other gray tones turn to 1 (white). This mode suits lineart best. It should not be applied to photographs. We recommend an ink limit of 100% in this mode ▪ **Background Removal** - Used to tune background contrast (e.g. to further fine-tune text visibility) you may additionally reduce or improve the white to grey-values. The higher the clipping value, the brighter and whiter the image's most white elements will become. ▪ **Sharpness** – Used to sharpen the edge and enhance outlines. Use values from 0 to 4 with 4 being the sharpest.	

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Step	Action	Illustration
	Despeckling	
	▪ **Despeckle** - This option removes black pixels in black & white mode, for example from scans of murky originals. The filter searches for groups of black pixels and converts them into white. Small-sized pixel groups, such as those forming punctuation dots, are kept. o All Pixel Neighbors - Pixels are connected neighbors when there is a series of 8 (instead of 4) adjacent pixels, i.e. additionally to pixels of the same row or column, the diagonally-adjacent pixels are considered to be connected. o Filter Size – It corresponds to the maximum "diameter" of the pixel area which is to be removed. o Rel. Area Size – This limits the proportion of the actual maximum number of pixels to the filter size. **0** represents the smallest possible surface relatively to the selected filter size.	

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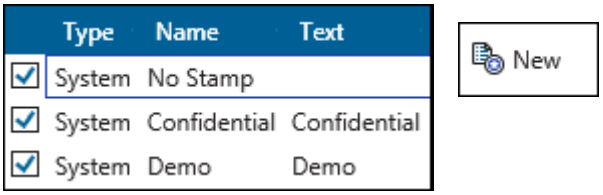
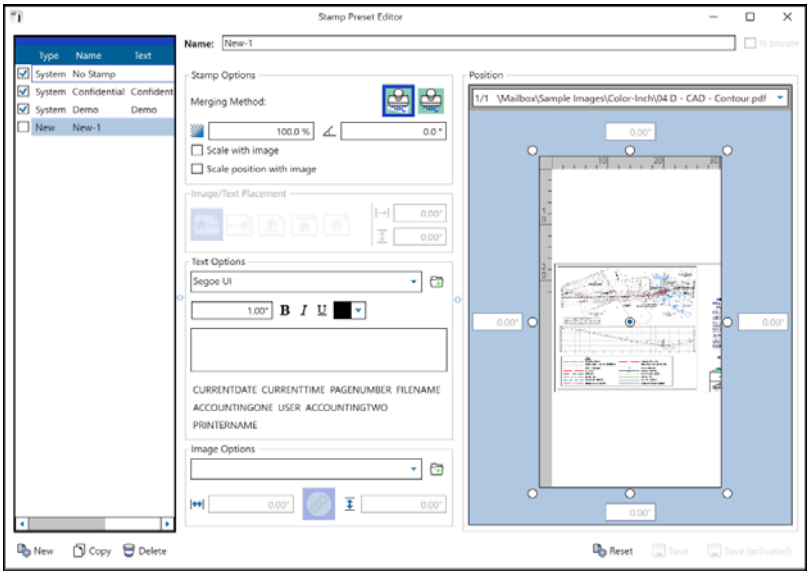
6.7 Stamp Presets

The Stamp Presets settings are used to create a new stamp that can be used on printed output. Once created the stamps will be chosen from the main KIP ImagePro job setup screens to be applied to the desired output.

Step	Action	Illustration
1.	Select the Stamp Presets Icon	
2.	Once open this screen will show all the pre-configured Stamps as well as allow for the creation of new presets.	
3.	Selecting the “New” icon will allow for the creation of a new Stamp Preset. Fill in the appropriate sections and select “Save” to save the Stamp Preset or Save (active) to save the Stamp Preset and make it active as well.	
4.	**Name** – This is the name that will be displayed in the Preset list of names and will be displayed on the main screen.	

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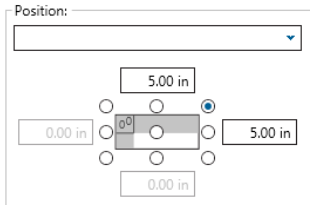
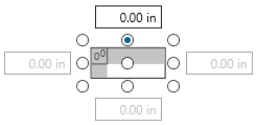
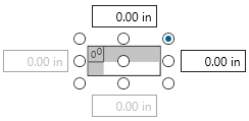
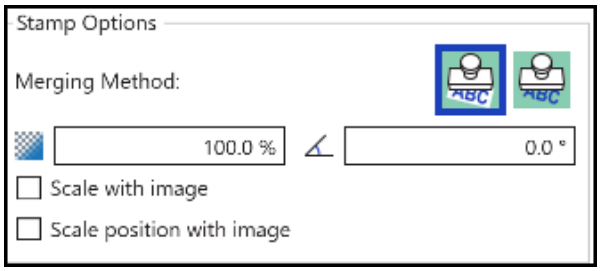
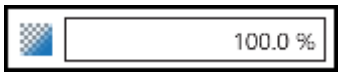
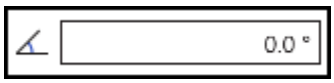
Step	Action	Illustration
5.	**Position –** Choose from 9 radio buttons to place the stamp in the desired location. If a corner radio button is selected two values will become active to allow for better positioning.	 One value  Two values 
6.	**Stamp Options – Merging Method** **Opaque** (selected in illustration) – Displays the stamp on top of the image. The background of the stamp is white and will obscure some image. **Transparent** - Overlays the stamp on top of the image. The background of the stamp is transparent. **Opacity –** Used to control the darkness of the stamp. 100% being Black. **Angle** – Used to control the rotation of the stamp. **Scale with image** – If file is scaled the stamp will scale accordingly to maintain scale **Scale Position with Image** - If file is scaled the stamp position will scale accordingly to maintain the correct placement.	 Opacity  Angle 

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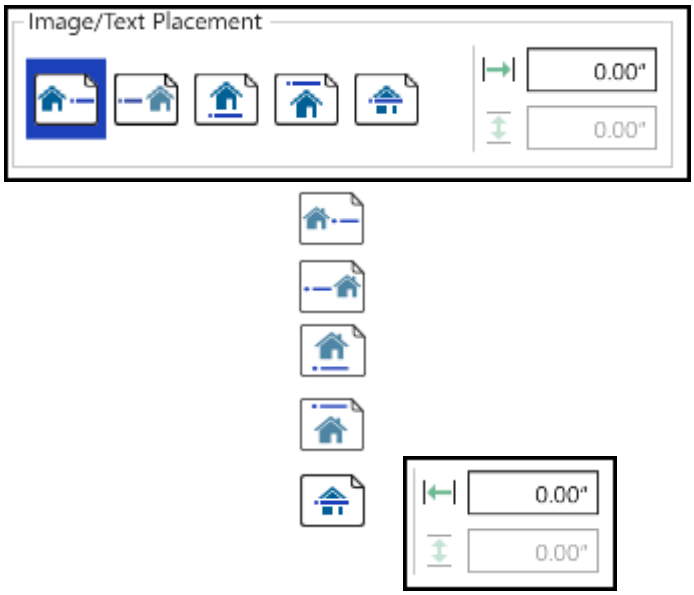
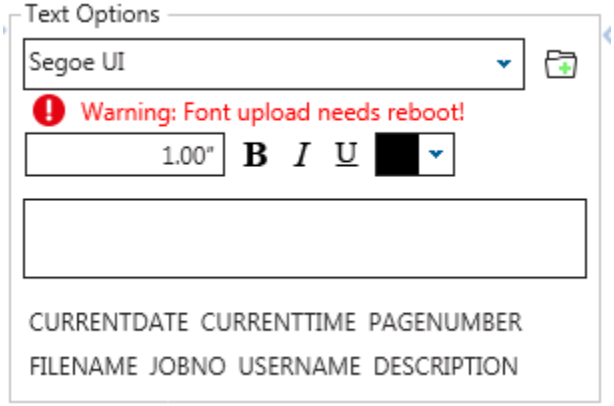
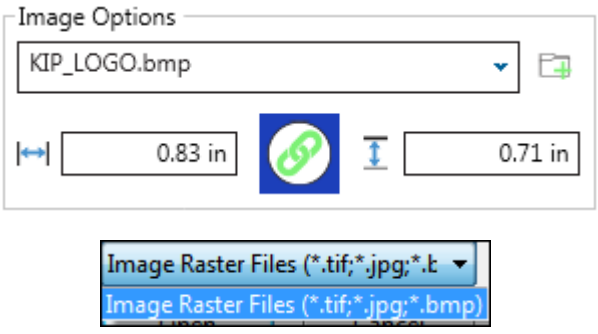
Step	Action	Illustration
7.	**Image/Text Placement –** If using an image as well as text, the position of both can be configured using the following: ▪ Image Left/Text Right ▪ Image Right/Text Left ▪ Image Top/Text Bottom ▪ Image Bottom/Text Top ▪ Text in Center of Image The Spacing between the two can also be set.	
8.	**Text Options** ▪ Font Settings – Select from available installed fonts, size and Color (Color Printer Needed). ▪ Font Upload (select folder) - Browse to stamp to be loaded. ▪ Stamp Text – Add the text to be added. ▪ Placeholders – Macros that add specific information (ex. Current Date).	
9.	**Image Options** Select Image – Browse to the location to the image to be used. Image Size – Control the width and height of the image to be used (unlock to control independently). Image formats that can be used - .tif.jpg and .bmp	

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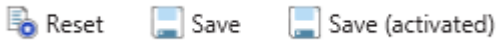
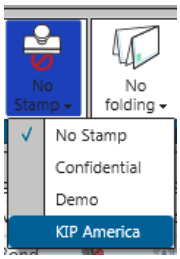
Step	Action	Illustration
10.	**Save –** Select “Save” to save the Stamp Preset or Save (active) to save the Stamp Preset and make it active as well or select Reset to start over.	
11.	**Active Stamp –** The Active Stamp will now be available for selection from the Basic screen as well as other KIP Applications. **Note:** KIP America is the Stamp just created.	

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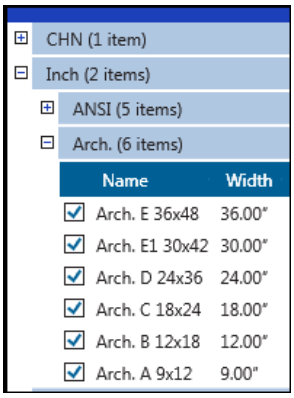
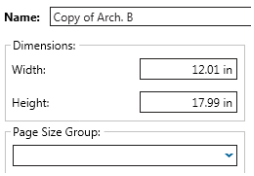
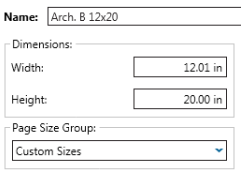
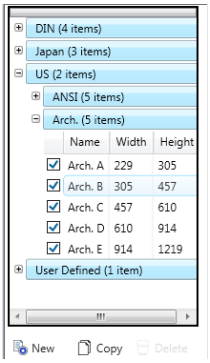
6.8 Page Sizes Presets

Step	Action	Illustration
1.	**Page Sizes –** Select the Page Sizes Icon from the Printer Information Screen.	
2.	Preconfigured page sizes will be displayed on the left side of the screen. **Note:** If there are page sizes that will not be used unchecking these will remove them from the list of available sizes on the main Job Creator page.	
3.	Select New to create a new Page Size.	
	Note: A new Page size does not always need to be created. It is possible to Copy an existing Page size and then edit it. Select the size to be copied (here Arch B and then select the Copy Icon. Original will be loaded Make necessary changes Save new page size.	  

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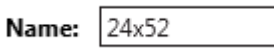
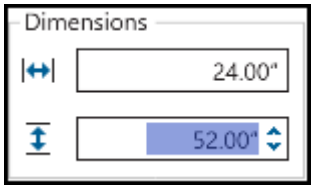
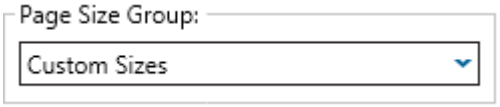
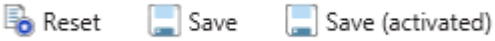
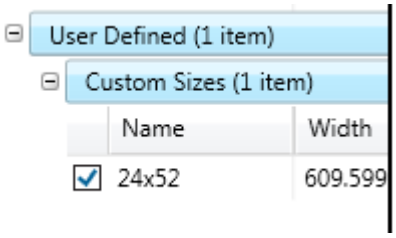
Step	Action	Illustration
4.	Name the new Page Size	
5.	Define the Dimensions	
6.	Create a Page Size Group. This is a group that the new Page size will be added to. For this example, “Custom Sizes” was added here. More custom sizes can be created and then added here.	
7.	The Preview Pane will display the new Page Size.	
8.	**Save –** Select “Save” to save the Page Size Preset or Save (active) to save the Page Size Preset and make it active as well or select Reset to start over.	
9.	The new Page Size is created	

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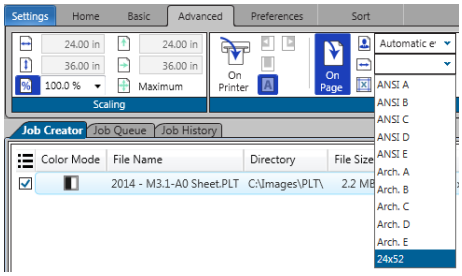
Step	Action	Illustration
10.	The New Custom size is now available from KIP ImagePro (and other KIP Applications)	

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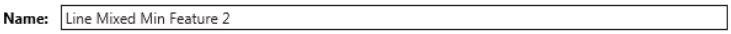
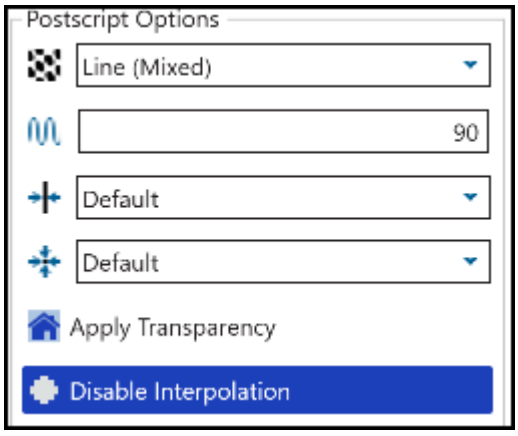
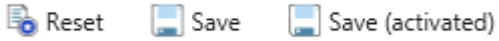
6.9 PS/PDF Presets

PS/PDF Presets are used to create specific settings that can be applied to Postscript files. These Postscript System Presets once created will work on PS/PDF files from KIP ImagePro and other KIP applications.

Step	Action	Illustration
1.	Select the PS/PDF Presets button from the Printer Information page.	
2.	Select the New Button	
3.	**Name** – This is the name that will be displayed in the Preset list of names and will be displayed on the main screen.	
4.	Select the desired PostScript options. Here the Dither Mode is changed to Line (Mixed).	
5.	**Save –** Select “Save” to save the PostScript Preset or Save (active) to save the PostScript Preset and make it active as well or select Reset to start over.	

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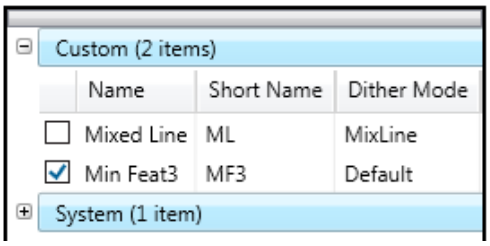
Step	Action	Illustration
6.	The new PS/PDF Preset will be added to the list on the left of the screen. The New custom PS/PDF Preset is now available from the KIP ImagePro (and other KIP Applications)	

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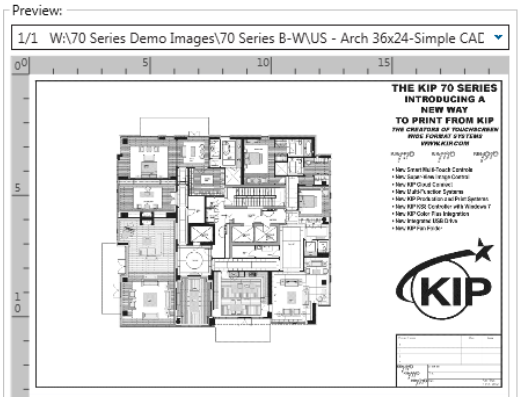
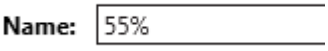
6.10 Scaling Presets

Step	Action	Illustration
1.	Select the Scaling Presets button from the Printer Information page.	
2.	Select the New Button	
3.	Preview – Gives a preview of the function being set. **Note:** It is very helpful to load one of the files in the job so that the changes being made can be seen.	
4.	**Name** – This is the name that will be displayed in the Preset list of names and will be displayed on the main screen.	

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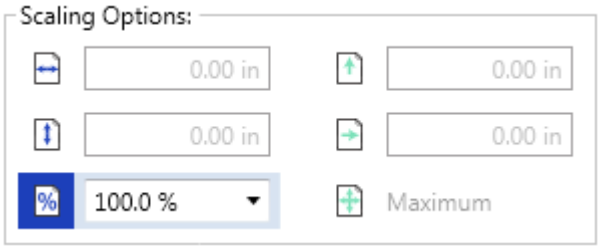
Step	Action	Illustration
5.	**Scaling Options –** Select from the available selections: **Width** – Set the desired Width value. **Height**– Set the desired height value. **Short Edge**– Set the desired Short Edge value. **Long Edge**– Set the desired Long Edge value. **Percentage**– Set the desired Width. **Maximum** – Maximum width for selected roll or largest roll available. **Note:** You MUST click on the icon to activate the field.	
6.	**Placement Options –** **Automatic –** Auto placement based on page size. **Align Left –** Aligns output left based on page size. **Align Center -** Aligns output Center based on page size. **Align Right -** Aligns output Right based on page size.	

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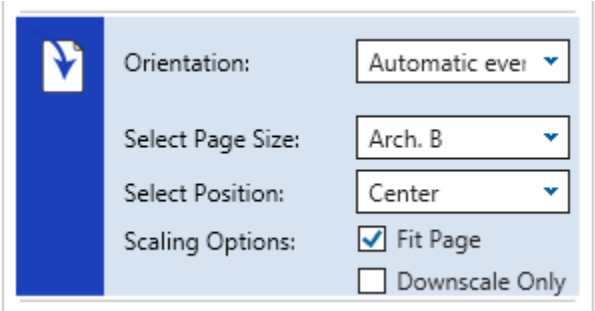
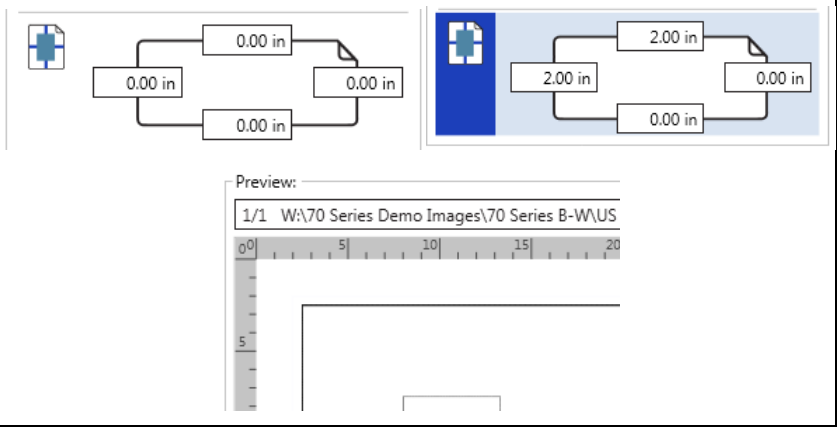
Step	Action	Illustration
7.	**Orientation –** Select from the following: **Automatic Even** – Places the image on the paper based on Short edge **Automatic Odd–** Places the image on the paper based on Long edge **Select Page** – Select the desired page size from the list. **Select Position** – Select the position to placer the image from the available list. **Scaling Options** Fit Page – Fits the selected image to the page size selected. Downscale Only – Does not scale images originally smaller than selected settings.	
8.	**Borders –** Apply Borders to the output to be printed. With the Preview loaded this will show the Borders being applied	

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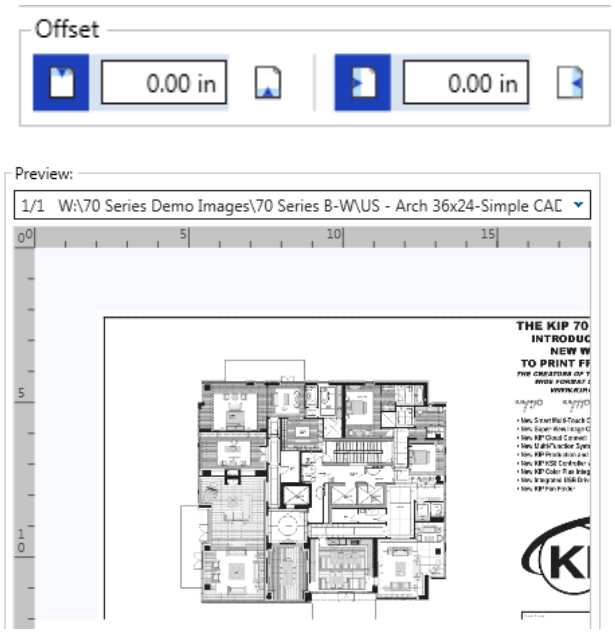
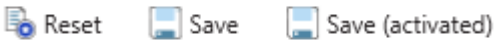
Step	Action	Illustration
9.	**Offset –** Allows for the addition of margins to the Top, Bottom, Left and Right. **Note:** Applying an Offset margin will shift the image on the page clipping off the edged.	
10.	**Save –** Select “Save” to save the Scaling Preset or Save (active) to save the Scaling Preset and make it active as well or select Reset to start over.	

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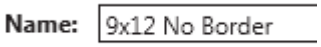
6.11 Folding Presets

Please See Technical Folder Manual for instructions. To create a folding Preset, follow these steps.

Step	Action	Illustration
1.	Select the Folding Presets button from the Printer Information page.	
2.	Select the New Button	
3.	**Name** – This is the name that will be displayed in the Preset list of names and will be displayed on the main screen.	
4.	**Use Title Block Recognition –** Checking this box enables Auto Title Block Recognition/Location.	

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Step	Action	Illustration
5.	**Folding Table –** This area is where all settings for the Fold Parameters are made.	1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.

The Folding Table Icon Explained:

1. Media Width
2. Fold Packet
3. Title Block Location (Used when Title Block Recognition is checked)
4. Alignment – Used to shift the image Left, Center, Right when the image is smaller than the paper size.
5. Rotation – For Portrait View
6. Rotation – For Landscape View
7. Minimum Width / Short Edge (see note)
8. Maximum Width / Short Edge (see note)
9. Minimum Length/ long Edge (see note)
10. Maximum Length / Long Edge (see note)
11. Snap to Cut Length – Add blank paper to the trailing edge of the copy.
12. Inter Copy Delay – in tenth of a second for fast printers or when tab applicator option is used.

Note: For #'s 7, 8 9, 10 – This configures the Minimum & Maximum for X&Y so that the software knows what size the drawing is and what roll size/fold packet/allignment/rotation/snap length/intercopy delay are applied.

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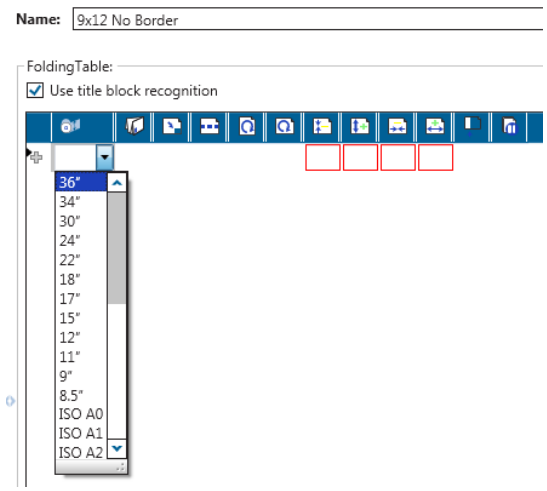
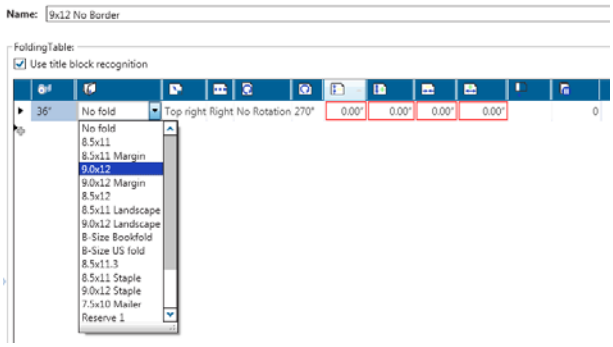
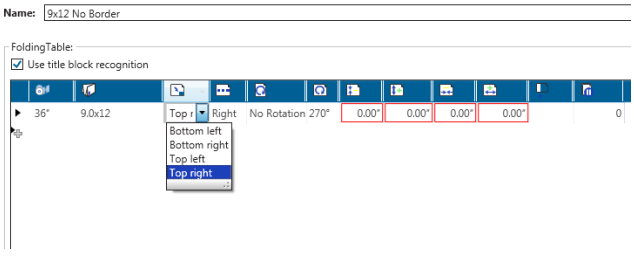
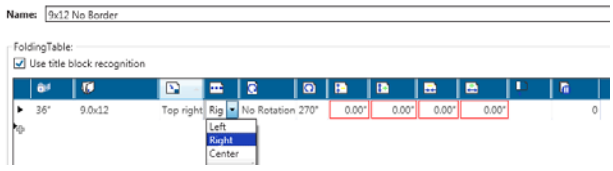
Step	Action	Illustration
6.	**Media Width –** Select the desired Media Width to be used.	
7.	**Fold Packet –** Allows for the selection of the fold packet to be used.	
8.	**Title Block Location –** Allows for the selection of the title block Location. **Note:** when Use title block recognition is selected it is necessary to indicate where you want the title block to be.	
9.	**Alignment –** Allows for the selection of Left, Right or Center for alignment.	

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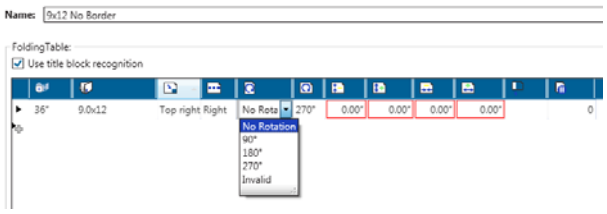
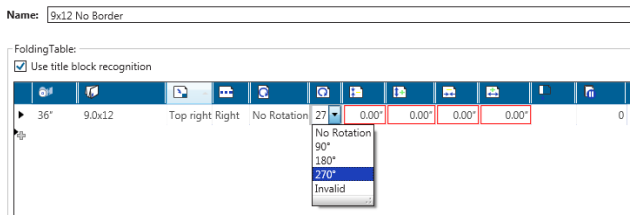
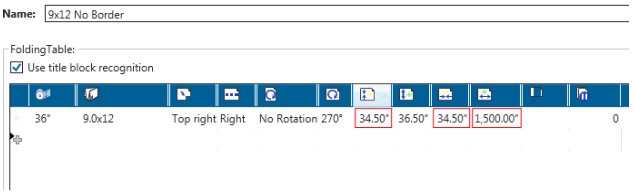
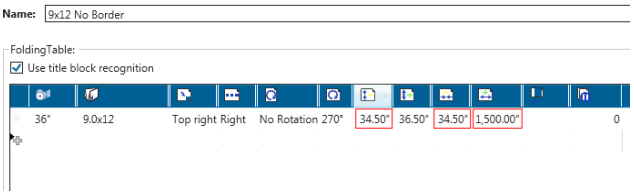
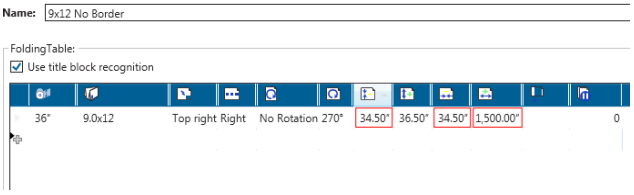
Step	Action	Illustration
10.	**Rotation for Portrait –** allows for the setting of a rotation for Portrait documents.	
11.	**Rotation for Landscape –** allows for the setting of a rotation for Landscape documents.	
12.	**Minimum width or short edge** **Maximum width or short edge** **Minimum Length or long edge** **Maximum Length or long edge** **Note:** This configures the Minimum & Maximum for X&Y so that the software knows what size the drawing is and what roll size/fold packet/allignment/rotation/snap length/intercopy delay are applied.	
13.	**Snap to Cut Length -** Add blank paper to the trailing edge of the copy. **Note:** For this example this setting is not used.	
14.	**Inter Copy Delay -** in tenth of a second for fast printers or when tab applicator option is used. **Note:** For this example this setting is not used.	

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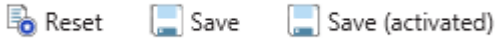
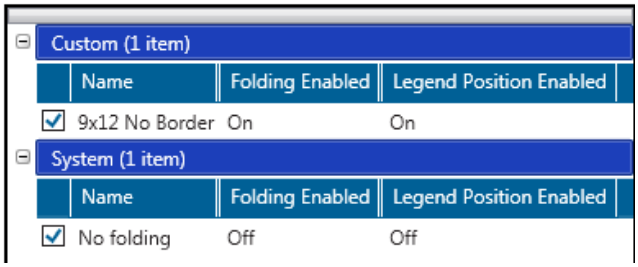
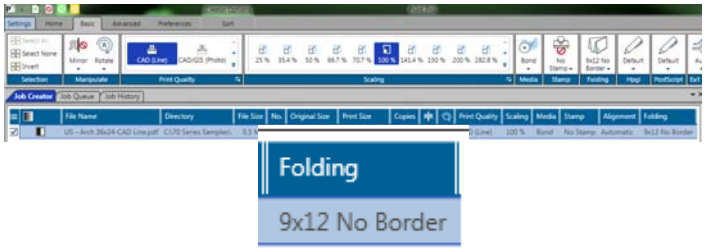
Step	Action	Illustration
15.	**Reset, Save, Save (activated) –** If the settings are not correct select “Reset” to start over. Select “Save” to save the settings. Select “Save (activated)” to save the settings and have them be active and available for use.	
16.	**New Fold Preset –** the new fold Preset will now be displayed in the left-hand column under Custom.	
17.	**Folding from KIP ImagePro –** Once the Folding Preset has been created and saved as active it can be selected and applied to jobs. Select the drop-down arrow in the Folding button and pick the 9x12 No Border that was just created.	
18.	**Selected File –** The folding column will display the selected Fold Pattern being applied.	

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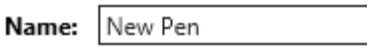
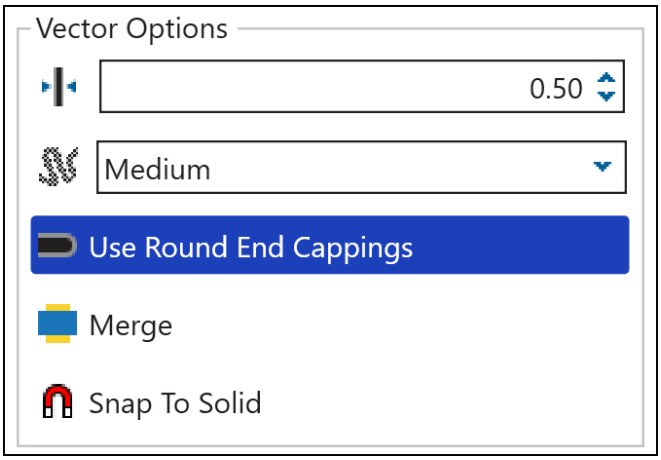
6.12 HPGL Presets

Step	Action	Illustration
1.	Select the HPGL Presets button from the Printer Information page.	
2.	Select the New Button	
3.	**Name** – This is the name that will be displayed in the Preset list of names and will be displayed on the main screen.	
4.	**Vector Options –** Select from the available selections:	
	Line Width Compensation - Allows addition and subtraction of pixels from the overall width of all vector lines. Users have the choice of selecting negative values (to compensate for thick lines) to positive values (to compensate for thin lines) **Vector Line Raster -** Users have 3 choices of dither output patterns. There is no 'correct' setting. Set according to user preference. **Use Round End Capping** – Forces end capping on lines in vector files to round ends. **Merge** - This enables the user to merge lines of different shades. When not applied, the layers within the plot file determine how lines merge on each other. **Snap to Solid** – Snaps all lines to solid color.	

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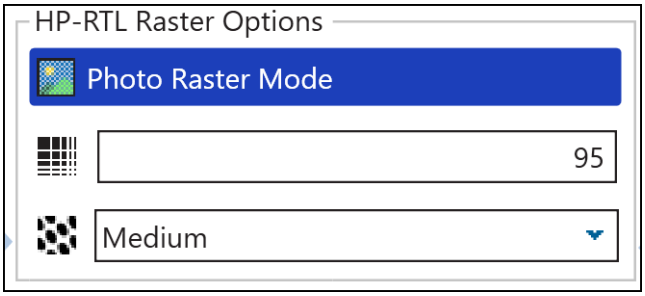
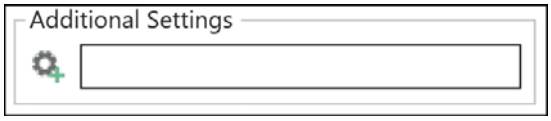
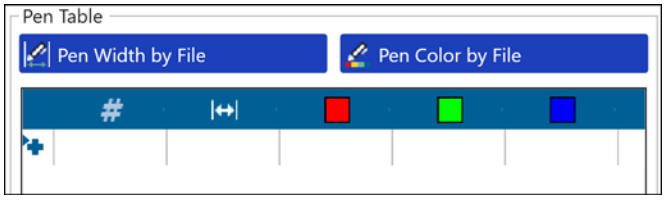
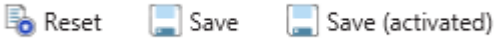
Step	Action	Illustration
5.	**HP-RTL Raster Options –** **Raster Density** – Used to modify the density level of the embedded raster image. The scale range is from 0-100. The higher the number on the scale, the darker the image will be. A density level can also be keyed into the text field. **Photo Dither** - Users have 3 choices of raster dither output patterns. There is no 'correct' setting. Set according to user preference.	
6.	**Additional Parameters –** Allows for the addition of specific HPGL switches to be used.	
7.	**Pen Table –** This section allows for the manipulation of specific pens if desired. **Pen Width by File –** Uses the pen table width provided within the file as it was created. **Pen Color by File –** Uses the pen color provided within the file as it was created. **Manual –** Allows the user to manually manipulate a specific pen or pens by entering the values for the Pen Number, Pen Width and Pen Color.	
8.	**Save –** Select "Save" to save the HPGL Preset or Save (active) to save the HPGL Preset and make it active as well or select Reset to start over.	

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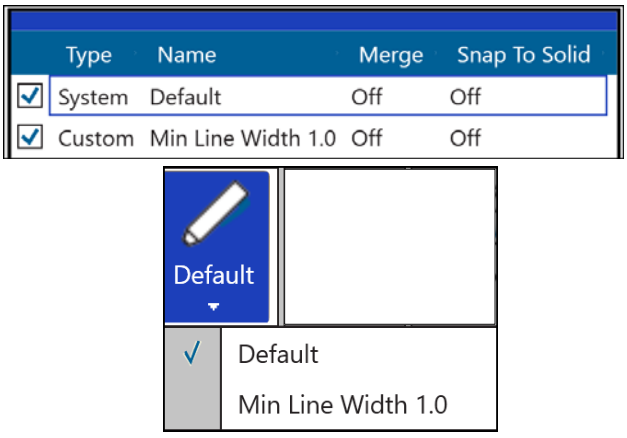
Step	Action	Illustration
9.	New Pen will be displayed in the left panel. This Pen is now available within the KIP ImagePro Application and other KIP Applications.	

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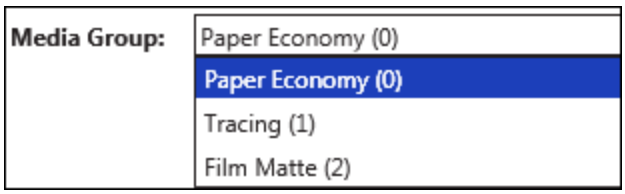
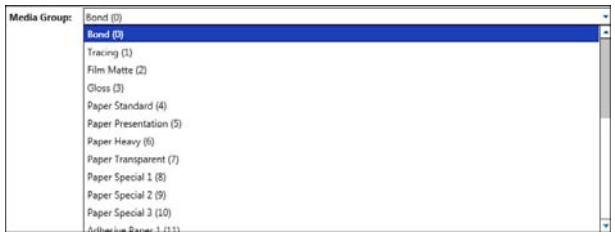
6.13 Media Manager Presets

From the Media Manager screen, simply enter any media name then select a media group that closely resembles the required media. The system will automatically use the correct printer settings (fuser temperature, media tension, etc. assigned to that group) to achieve the best results.

Step	Action	Illustration
1.	Select the Media Manager button to add an unlimited number of new medias.	
2.	Select the New Button	
3.	**Name** – Enter a name for the new media. This is the name that will be displayed in the KIP applications for selection.	
4.	**Media Type** – Using the Drop-down arrow select the media that best represents the new media being added.	Black and White Printer:  Color Printer: 
5.	**Select Save/Save (activated)**	

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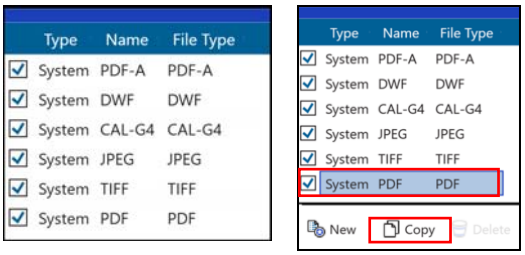
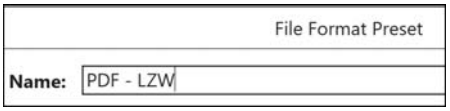
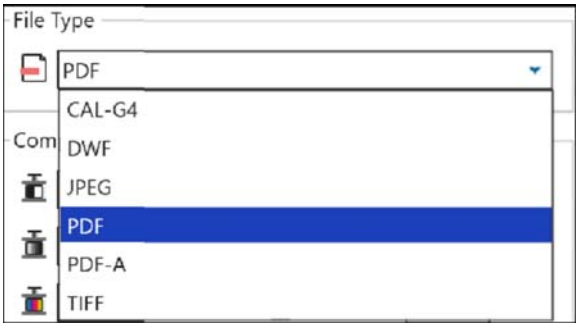
6.14 File Format Presets

KIP ImagePro has the ability to create presets for File formats that allow for different Compression ratios, Archiving and security (settings dependent on file type selected).

Step	Action	Illustration
1.	Select the File Format Preset button to create a new Fil Format with Compression	
2.	Default Formats – These are defaults and cannot be edited. They can be selected and Cloned. Once cloned they can be edited.	
3.	To Create a new File Format, Select the New Button	
4.	**Name** – Enter a name for the new Format. This is the name that will be displayed in the KIP applications for selection.	
5.	**File Type** – Using the Drop-down arrow select the Format type that is being created. Depending on what file type is selected, more controls to specify “Compression” settings and “Archiving“ settings become available.	

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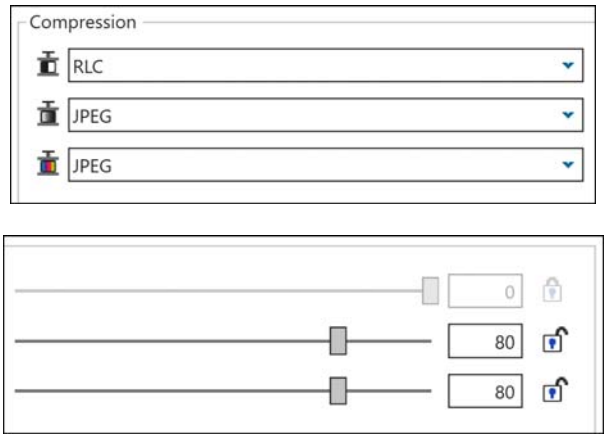
Step	Action	Illustration
6.	**Compression -** "Compression" settings are to specify the method and the rate of compression for the individual file type. For certain file types, it is possible to specify compression method and compression rate individually for each color mode. For certain file types there might be more than one compression method. `The method of compression is to be selected from the dropdown list under "Compression" and the rate of compression may be specified by using the corresponding slider or the edit field next to the "Compression method" dropdown. "Compression" settings are available for all file types.	
7.	**Archiving -** "Archiving" settings, lets the user add "text labels" to the scanned file such as "Title", "Author", "Subject" and "Keywords". "Archiving" settings are not available for "CAL-G4" and "JPEG".	

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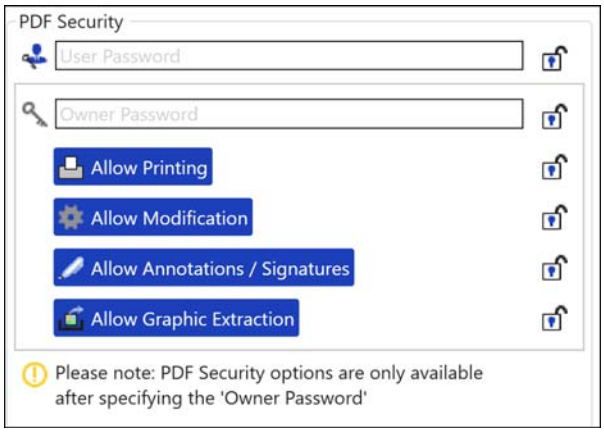
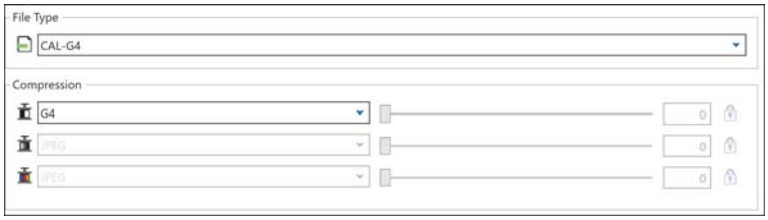
Step	Action	Illustration
8.	**Security -** For the file type "PDF" the user may additionally configure "PDF Security" options with which the scanned PDF file can be password protected and the user can allow/disallow certain PDF features. **Note: The "PDF Security" options are only available when an "Owner Password" has been specified.**	
9.	For nearly all controls for all file types, the user can decide if the setting may be modified in the MainUI's "File Format" pane before submittal or if a setting is locked and could only be changed in the "File Format Preset" editor. This can be achieved by either locking or unlocking the lock next to control in question. When an option is unlocked, it can be modified in the MainUI's "File Format" pane.	
10.	**File Types and Compression - Cals G4** • Compression for Black and White – Not available in B&W mode • Compression for Gray Mode • Compression for Color Mode	
11.	**File Types and Compression – DWF** • Compression for Black and White – Not available in B&W mode • Compression for Gray Mode • Compression for Color Mode Archiving:	

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	• Title – Set document title • Author – Set document Author	

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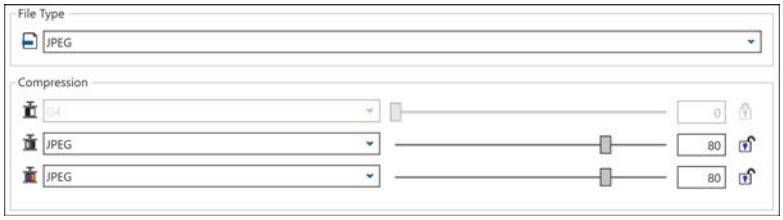
Step	Action	Illustration
12.	**File Types and Compression – JPEG** • Compression for Black and White – Not available in B&W mode • Compression for Gray Mode • Compression for Color Mode	
13.	**File Types and Compression – PDF-A** • Compression for Black and White – Not available in B&W mode • Compression for Gray Mode • Compression for Color Mode Archiving: • Title – Set document title • Author – Set document Author • Subject – Set document Subject • Keywords – Set document Keywords	

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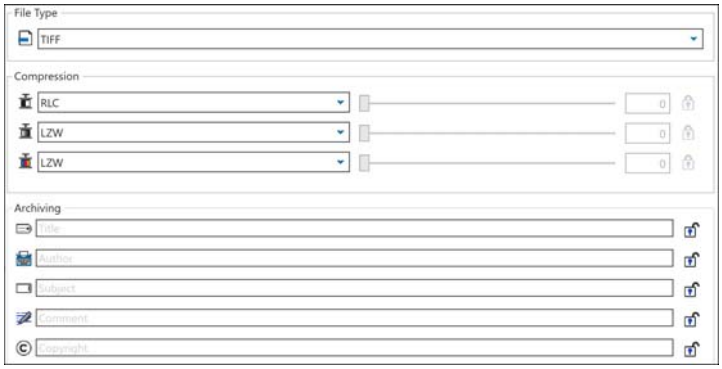
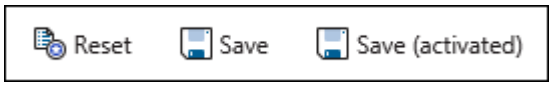
Step	Action	Illustration
14.	**File Types and Compression – TIFF** • Compression for Black and White – Not available in B&W mode • Compression for Gray Mode • Compression for Color Mode Archiving: • Title – Set document title • Author – Set document Author • Subject – Set document Subject • Comment – Set document Comments • Copyright – Set copyright information	
15.	**Select Save/Save (activated)**	

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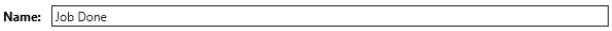
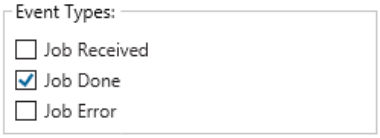
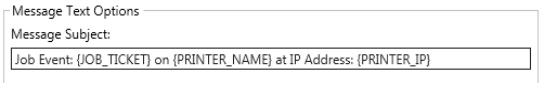
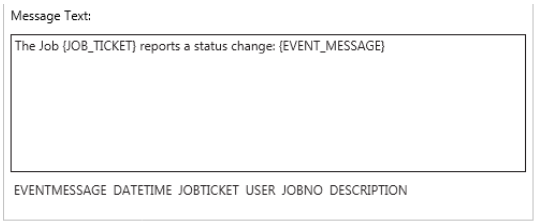
6.15 Job Notification

A Job Notification allows the user that sent the job to the KIP to be able to get notified when their job is being printed. A message can be created that will be sent out to all the recipients on the list.

Step	Action	Illustration
1.	**Job Notification –** Select the Job Notification Icon from the Printer Information Screen.	
2.	Select the “New” icon	
3.	**Name** – This is the name that will be displayed in the Preset list of names and will be displayed on the main screen.	
4.	Select the Event Type that should trigger the sending of the notification.	
5.	Set the Message Text Options that will be the subject of the message to be sent.	
6.	Enter the Message that is to be sent to the recipient(s). Select the desired macros for the message as well.	

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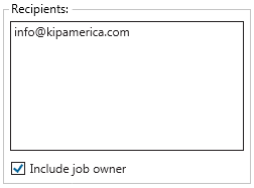
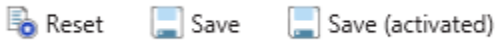
Step	Action	Illustration
7.	Add the Recipients e-mail addresses.	
8.	Include Job Owner – This works in conjunction with KIP Accounting (optional KIP software). When a user is created in KIP Accounting Center there is a spot for the Users e-mail. If entered and KIP ImagePro is requiring the users to log in when a job is submitted an e-mail will be sent when the users job is printed.	
9.	**Save –** Select “Save” to save the Job Notification Preset or Save (active) to save the Job Notification Preset and make it active as well or select Reset to start over.	

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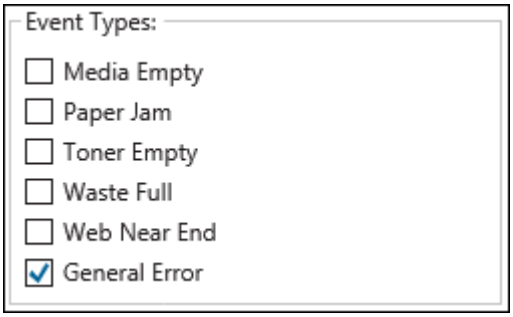
6.16 Machine Notification

Step	Action	Illustration
1.	Select the Machine Notification Presets button from the Printer Information page.	
2.	Select the New Button	
3.	**Name** – This is the name that will be displayed in the Preset list of names and will be displayed on the main screen.	
4.	**Event Types** – Select from the available event types that will trigger a notification to be sent to a recipient.	
	Media Empty - This will send a notification when a media runs out on the KIP Printer. **Paper Jam -** This will send a notification when there is a paper jam on the KIP Printer. **Toner Empty -** This will send a notification when Toner runs out on the KIP Printer. **Waste Full** - This will send a notification when the waste toner box on the KIP Printer is full (7800 Only). **Web Near End** - This will send a notification when the Web on the KIP Printer is near the end. **General Error** - This will send a notification when a media runs out on the KIP Printer.	
5.	**Recipients** – Enter the Recipient(s) e-mail address that will be notified when this error occurs.	

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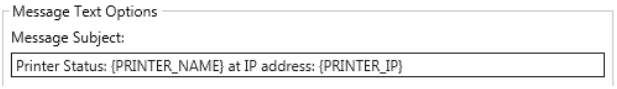
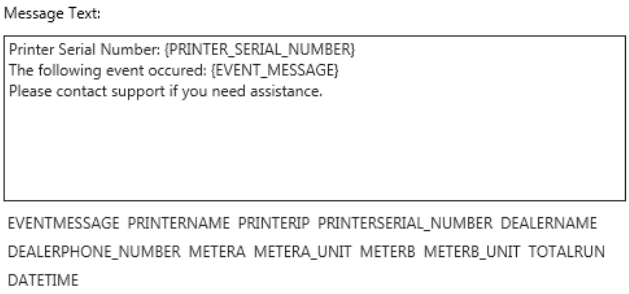
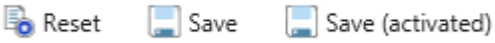
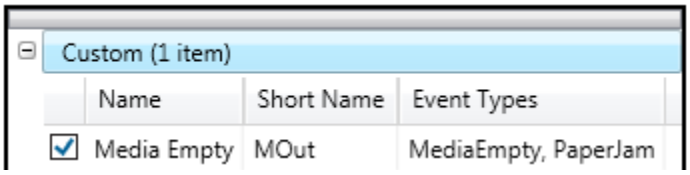
Step	Action	Illustration
6.	**Message Text Options** – Use the default or enter a new message Subject.	
7.	**Message Text** - Use the default or enter a new message text. Additional macros can be entered to modify the default message simply by selecting them from the bottom of the message window	
8.	**Save –** Select “Save” to save the Machine Notification Preset or Save (active) to save the Machine Notification Preset and make it active as well or select Reset to start over.	
9.	New Notification will be displayed in the left panel. This is now configured on the KIP System and a notification will be sent when this action occurs.	

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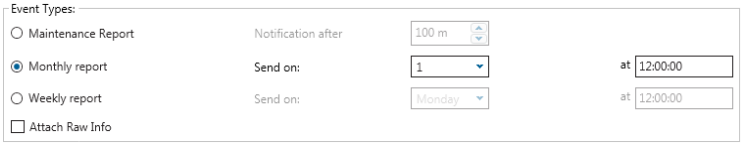
6.17 Metered Notification

Step	Action	Illustration
1.	Select the Metered Notification Presets button from the Printer Information page.	
2.	Select the New Button	
3.	**Name** – This is the name that will be displayed in the Preset list of names and will be displayed on the main screen.	
4.	**Event Types** – select from the available event types.	
	Maintenance Report - This will send a notification out after the KIP Printer has run a predetermined amount in either Sq. Ft/Meters. **Monthly Report -** This will send a notification with all the print data (determined by the settings in Message Text) on a specific date at a specific time. **Weekly Report -** This will send a notification with all the print data (determined by the settings in Message Text) on a specific day at a specific time. **Attach Raw Info** - This will send an e-mail with all the Raw Logs that can then be imported and used in Excel.	

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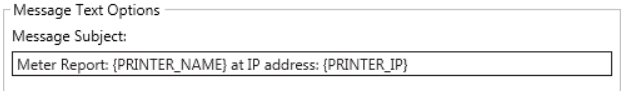
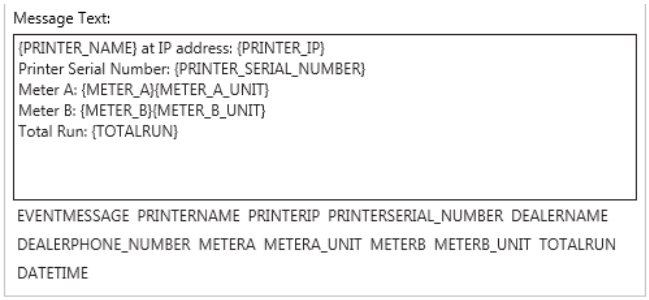
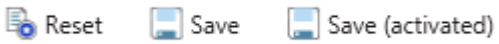
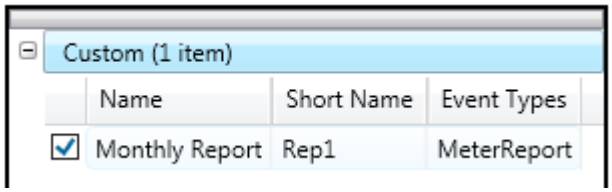
Step	Action	Illustration
5.	Recipients – Enter the recipient(s) e-mail address that will receive the e-mail.	
6.	**Message Text Options** – Use the default or enter a new message Subject.	
7.	**Message Text** - Use the default or enter a new message text. Additional macros can be entered to modify the default message simply by selecting them from the bottom of the message window	
8.	**Save –** Select “Save” to save the Metered Notification Preset or Save (active) to save the Metered Notification Preset and make it active as well or select Reset to start over.	
9.	New Notification will be displayed in the left panel. This is now configured on the KIP System and a notification will be sent when this action occurs.	

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7 Step by Step Instructions for using the system

7.1 System K Workflow Automation

Workflow Automation incorporates automated printing and finishing features to enhance your current production workflow. Simplify user interaction by building KIP ImagePro Templates and linking them to any PC workstation or network server Hot folder to automate printing. Operators can drag/drop files to Hot folders for various types of printing workflows. From the Touch UI, scan to the SMB location of the Hot folder to "copy" to other KIP printers.

- Improve efficiency for Color and B/W copying and scan to file with Touch Screen Templates
- Increase operator access to printing and finishing with Templates for Hot folders
- No software installation at PC required
- Drag and drop PDF/JPG/TIF files to Hot folders to print and fold
- Automate Mac and Unix printing for streaming LPR print data

Workflow Automation Features:

Unlimited Templates can contain:

- Copy Count
- Color Mode (B/W or Color)
- Print Quality for B/W and Grayscale
- Print Quality for Color CAD and Graphics
- Scaling by Page Size or Percentage
- Media Type and Size
- Stamp
- Folding
- Stacking to Front or Back
- Postscript/PDF Dither

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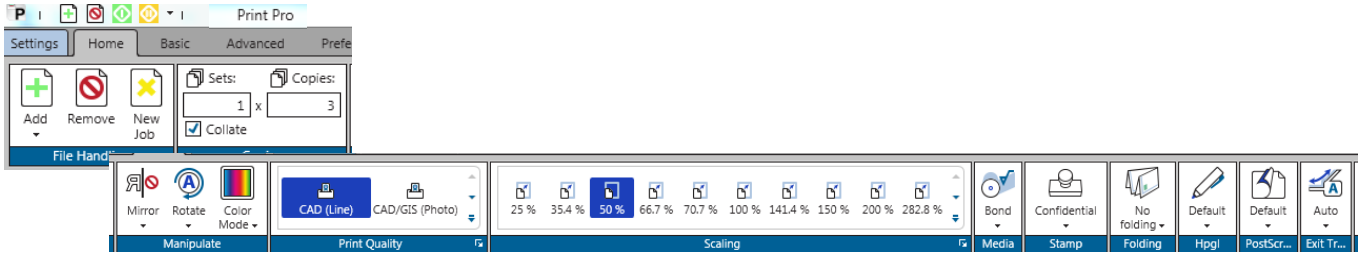
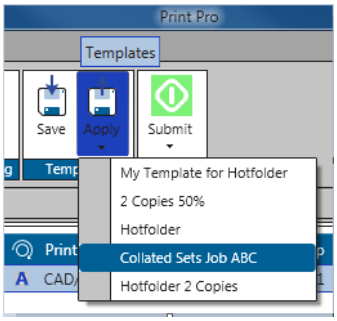
How to build your Automated Workflow:

KIP ImagePro

1. Build a “Template” with settings such as Scaling, Color Mode, Stamp and Media Type.



2. Save the Template



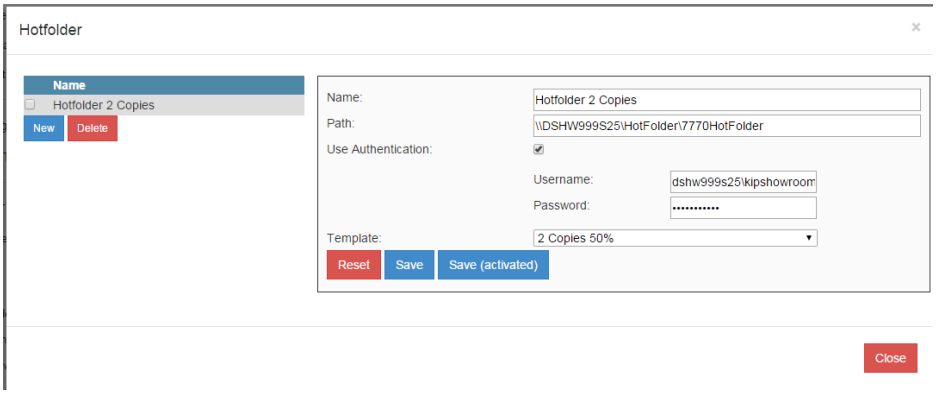
Network or Workstation Hot folder

Confirm that a Network Share or a Workstation Share allows for sharing a folder/directory to use as a Hot folder. Some “shares” will require a Username and Password depending on security requirements.

KIP PrintPro.NET

1. Using a web browser, login as Administrator
2. Access the “System Setup” tab and locate the “Job Retrieval” settings.

3. Enter a Name for the Hot folder settings,
4. Enter the Path (UNC) to the Hot folder.
5. Enter the Username/Password to access the Hot folder (as required by IT Administration)
6. Choose the Template that was created by KIP ImagePro and select “Save Activated”
7. Create as many as required. Simply choose as many active Hot folder as are required.
8. For LPR support for UNIX and Mac environments, simply direct LPR commands to the IP Address of the KIP and include the Template name as the “queue name”.



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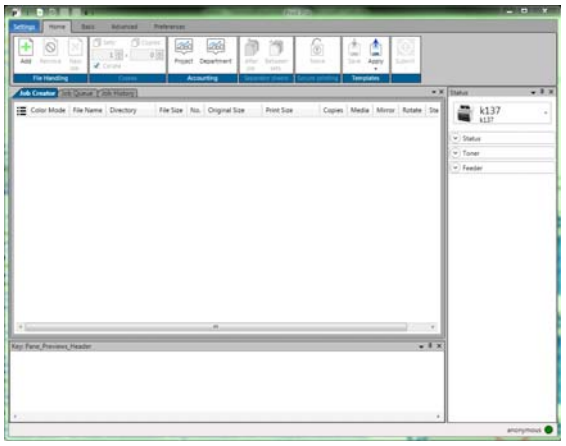
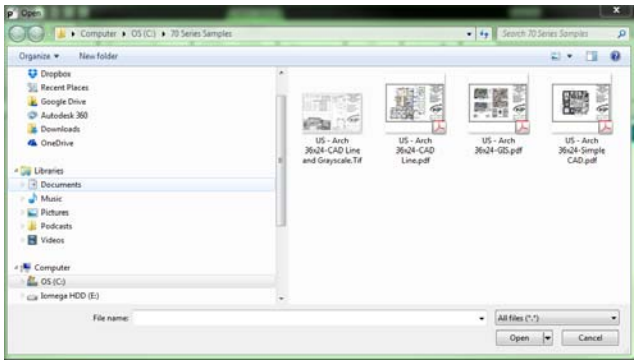
7.2 Creating and Using a Hot folder

It is possible to set up hot folders that can automatically be monitored for files. If a file is placed into the hot Folder it will then be printed. It is also possible to create a template that can be applied to the hot folder so that specific settings can be applied to the output.

Step	Action	Illustration
1.	Open KIP ImagePro by double clicking the KIP ImagePro Icon.	
2.	Once the application opens this should be the main screen.	
3.	Select the “Add” button.	
4.	Browse to a location where files are stored. And add a file to the job matrix **Note:** it is necessary to have a file selected for all the features to become active.	

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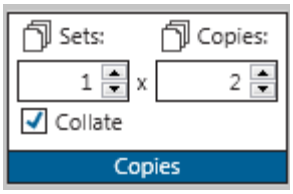
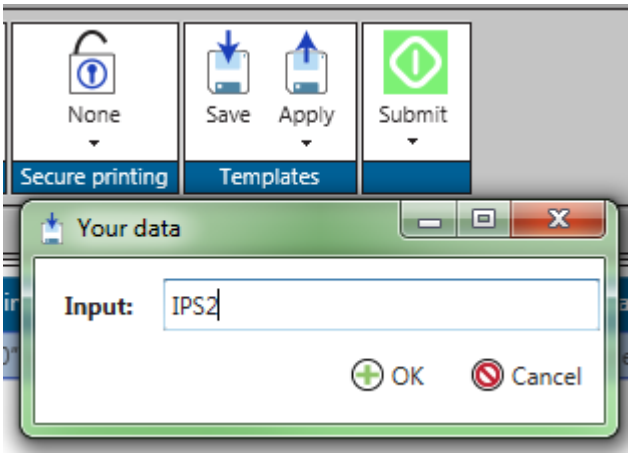
Step	Action	Illustration
5.	Select the desired settings that will be applied to the Hot Folder for all files that are sent to it to be printed. For this example, this will be kept simple. This will be configured to print 2 copies.	
6.	Select the Save Icon in the Templates button. This will prompt for an Input name (this will be the Hot Folder Name) Here the Hot Folder Name is set to IPS2. When the Hot Folder IPS2 is used to send files to the KIP Printer anything dropped into IPS2 will produce 2 sheets at 100%.	

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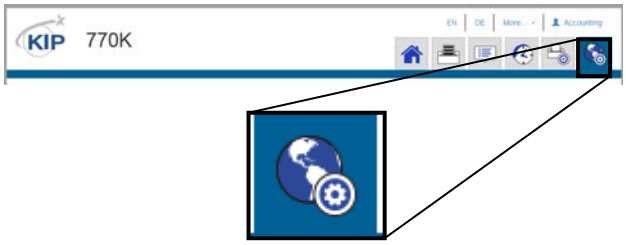
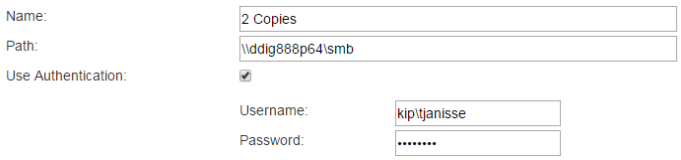
Step	Action	Illustration
Please note: At this point it is necessary to have a folder location created that will be used as the hot folder. This Folder will need to have Read, Write, Modify and Delete permissions. It may be necessary to have an IT Administrator available to create this folder.		
7.	Next, open KIP PrintPro.Net. Open the browser and type the IP Address of the KIP Printer. Once this opens select the System Settings tab.	
8.	On the System Setting Page there is a section for Job Retrieval. This is where Hotfolder set up is done.	
9.	Select the Edit Button next to Hotfolder.	
10.	The Hotfolder setup window will open. Select the New button to create a new hotfolder.	
11.	Enter the correct information for the location of the hotfolder to be monitored.	

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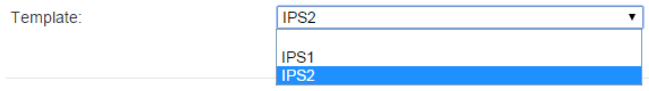
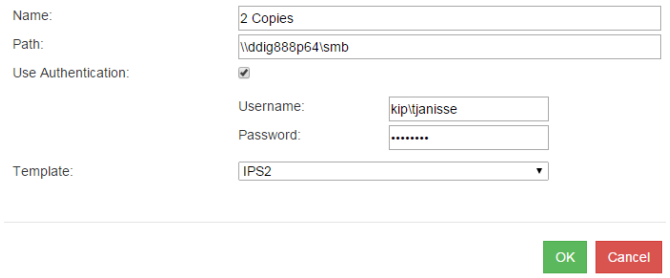
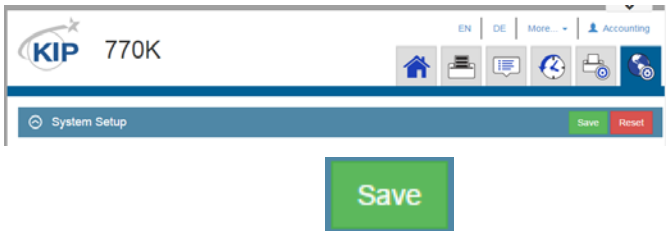
Step	Action	Illustration
12.	From the Templates section, select the desired Template that will be applied to the Hotfolder. IPS2 (created when the Hot Folder was set up) will print 2 copies of the file at 100%.	
13.	Select OK	
14.	Select Save from the System Settings main page. This will set the hotfolder settings.	
15.	Files dropped into the newly created Hotfolder will now print two prints at 100%.	

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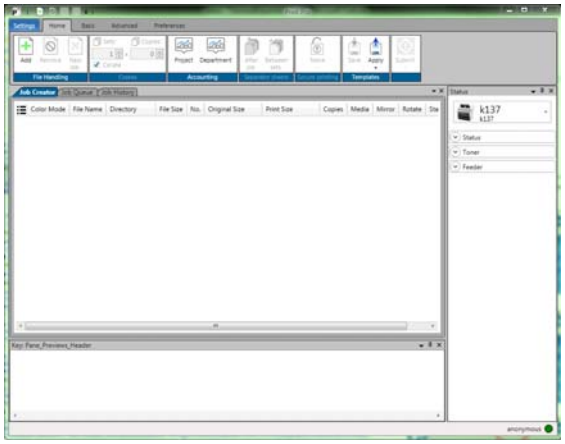
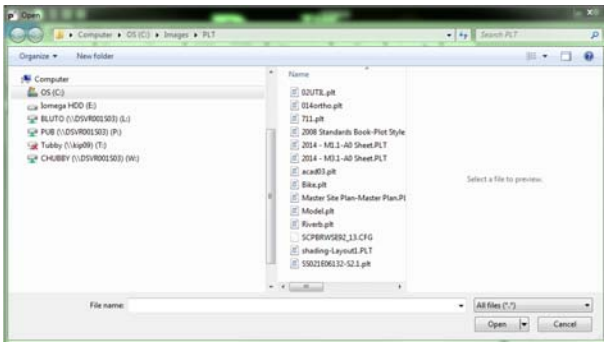
7.3 Printing a Basic job from KIP ImagePro

The follow steps/actions will explain how to use the KIP ImagePro Software to create a job.

Step	Action	Illustration
1.	Open KIP ImagePro by double clicking the KIP ImagePro Icon.	
2.	Once the application opens this should be the main screen.	
3.	Select the “Add” button.	
4.	Browse to a location where files are stored.	

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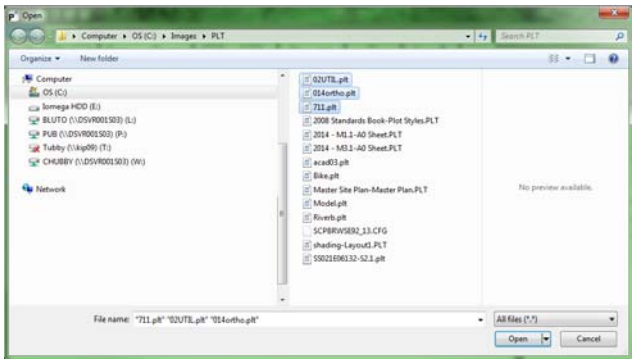
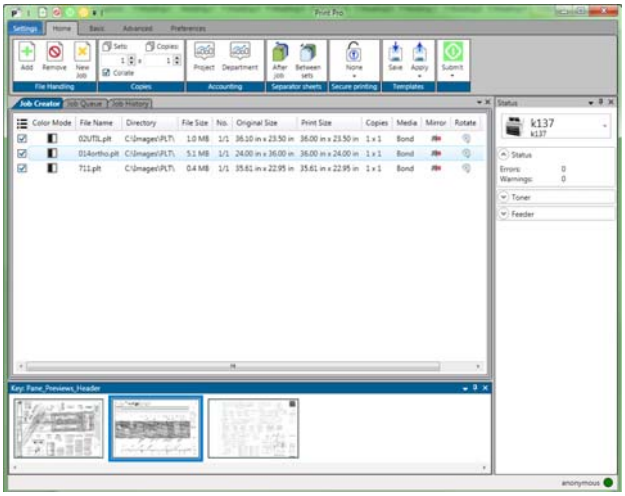
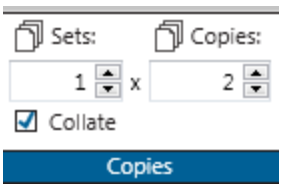
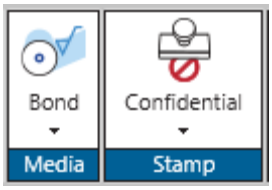
Step	Action	Illustration
5.	Select the files to be printed and select “Open” **Note:** Hold Control Key to pick multiple individual files and Shift Key to select a block of files.	
6.	Files will be added to the Job Creator to be printed. **Note:** Select all files in the Job Creator (or individual files) that changes will apply to.	
7.	Make Simple changes to the job prior to submitting it: • **Home Tab** – Change the number of copies. • **Basic Tab** – Choose desired Media, and apply a stamp.	 

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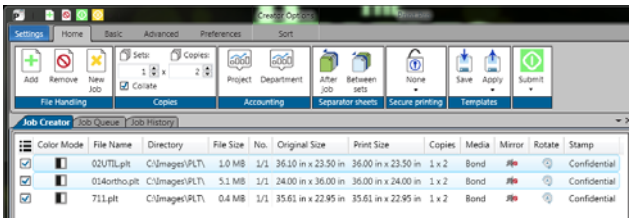
Step	Action	Illustration
8.	Note the changes made in the Job Creator to the specific columns “Copies and “Stamp”	
9.	Submit the job	

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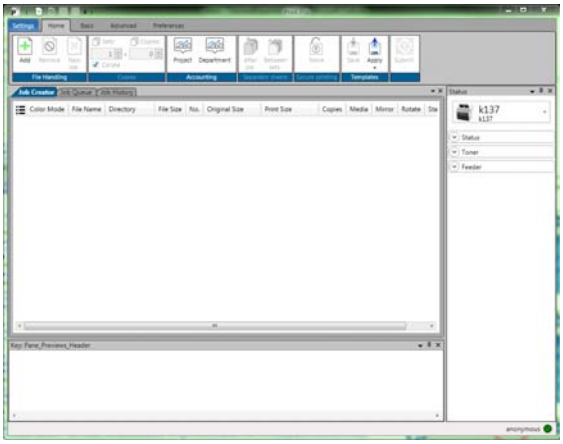
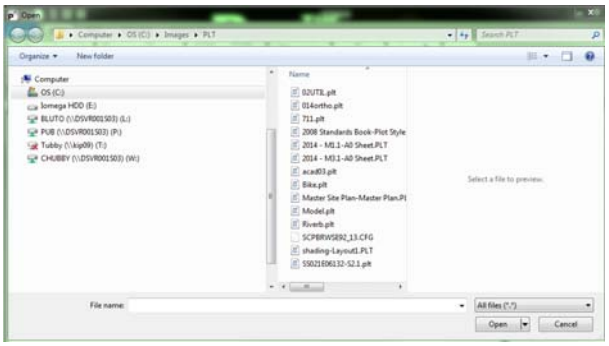
7.4 Printing an Advanced job from KIP ImagePro #1

Step	Action	Illustration
1.	Open KIP ImagePro by double clicking the KIP ImagePro Icon.	
2.	Once the application opens this should be the main screen.	
3.	Select the “Add” button.	
4.	Browse to a location where files are stored.	

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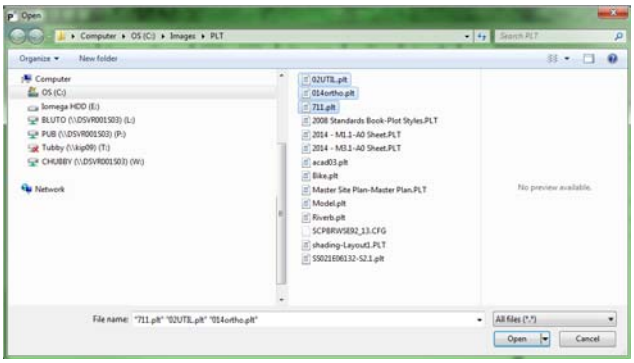
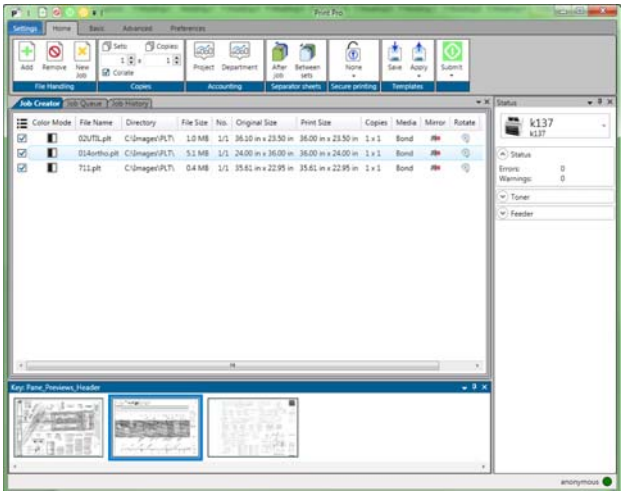
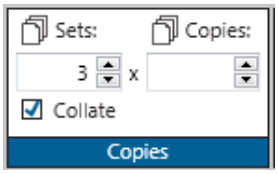
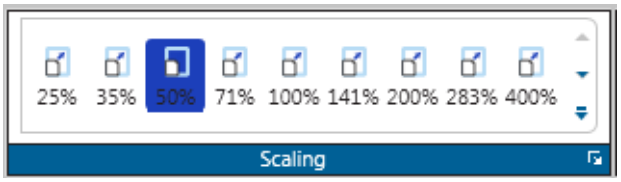
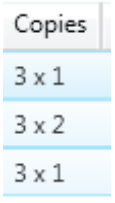
Step	Action	Illustration
5.	Select the files to be printed and select “Open” **Note:** Hold Control Key to pick multiple individual files and Shift Key to select a block of files.	
6.	Files will be added to the Job Creator to be printed. **Note:** Select all files in the Job Creator (or individual files) that changes will apply to.	
7.	Make Advanced changes to the job prior to submitting it: • **Home Tab** – Change the number of Sets to 3. • **Basic Tab** – Choose 50% • Select file #2 and change to 2 copies	  

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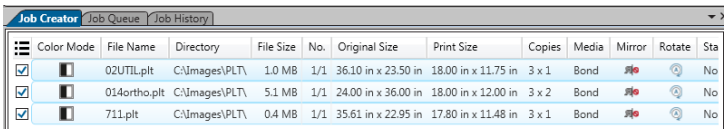
Step	Action	Illustration
8.	On the Basic tab select Auto to let the printer choose the roll width.	
9.	Note the changes made in the Job Creator to the specific columns “Copies” and Print Size” This job will print on suitable roll with 3 collated sets at 50%. The Second sheet will have 2 copies in each set.	 Output will be: Page 1, Page 2, Page 2, Page 3 then Page 1, Page 2, Page 2, Page 3 then Page 1, Page 2, Page 2, Page 3.
10.	Submit the job	

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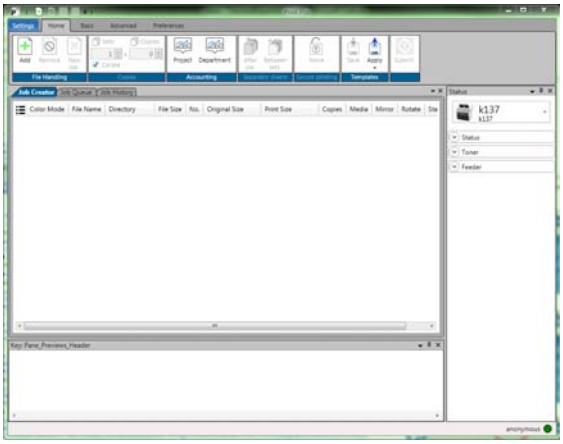
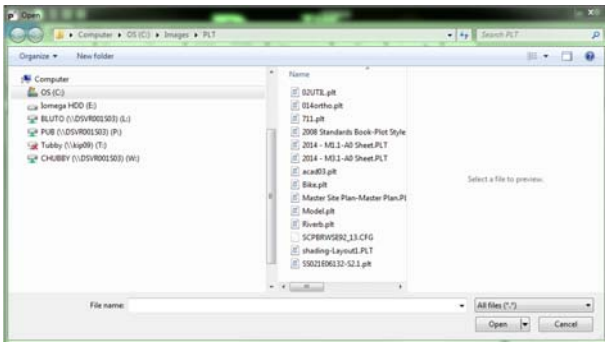
7.5 Printing an Advanced job from KIP ImagePro #2

Step	Action	Illustration
1.	Open KIP ImagePro by double clicking the KIP ImagePro Icon.	
2.	Once the application opens this should be the main screen.	
3.	Select the “Add” button.	
4.	Browse to a location where files are stored.	

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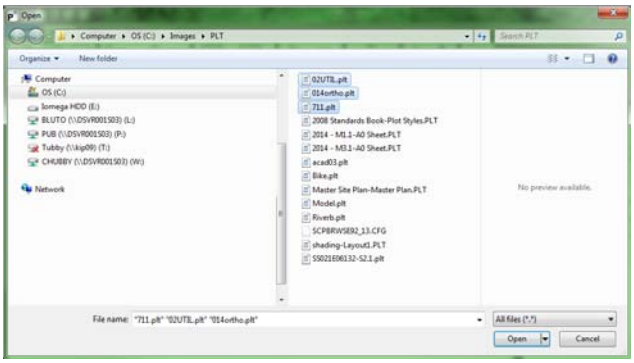
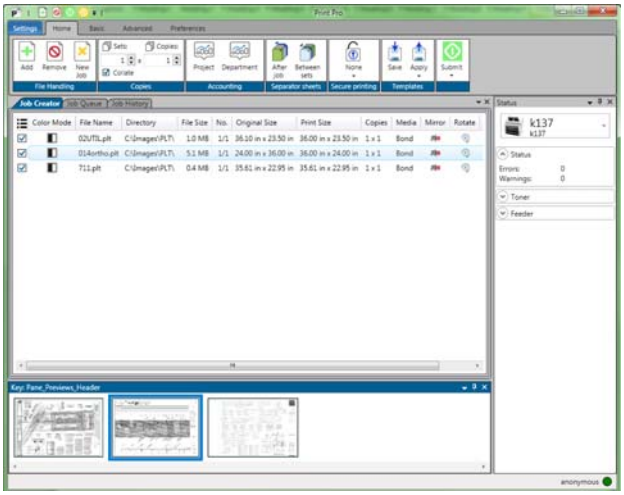
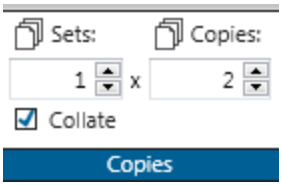
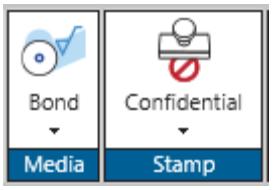
Step	Action	Illustration
5.	Select the files to be printed and select “Open”	
6.	Files will be added to the Job Creator to be printed.	
7.	Make Advanced changes to the job prior to submitting it: • **Home Tab** – Change the number of copies. • **Basic Tab** – Choose desired Media, and apply a stamp.	 

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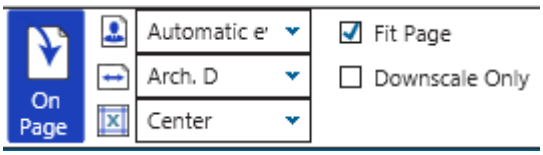
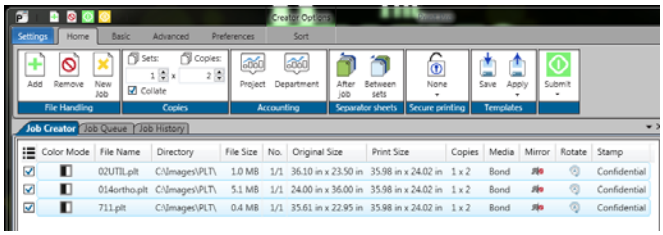
Step	Action	Illustration
8.	On the Basic tab select a specific roll width from the dropdown menu.	
9.	Select the Advanced Tab and select one or all the selected files. **Note**: Selected files will be highlighted. Select “On Page”, a paper size of Arch D and then “Fit Page”	
10.	Note the changes made in the Job Creator to the specific columns “Copies”, “Stamp”, “Print Size” This job will print on a 36” roll (if not loaded this will not switch to a different roll), with a stamp and all sheets will be 36x24 scaled to fit and there will be two of each sheet.	
11.	Submit the job	

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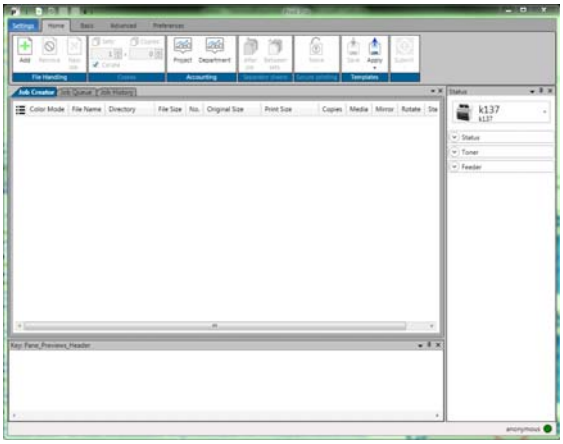
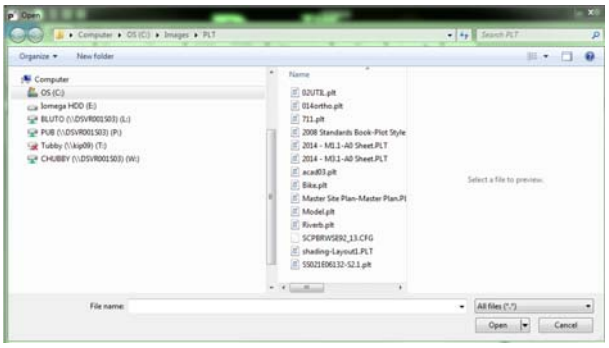
7.6 Creating Multiple Jobs

Step	Action	Illustration
1.	Open KIP ImagePro by double clicking the KIP ImagePro Icon.	
2.	Once the application opens this should be the main screen.	
3.	Select the “Add” button.	
4.	Browse to a location where files are stored.	

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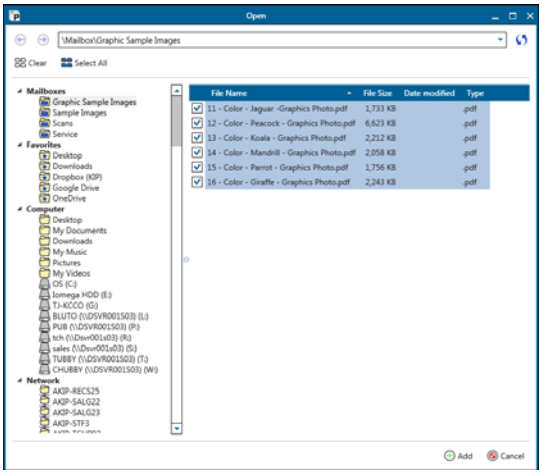
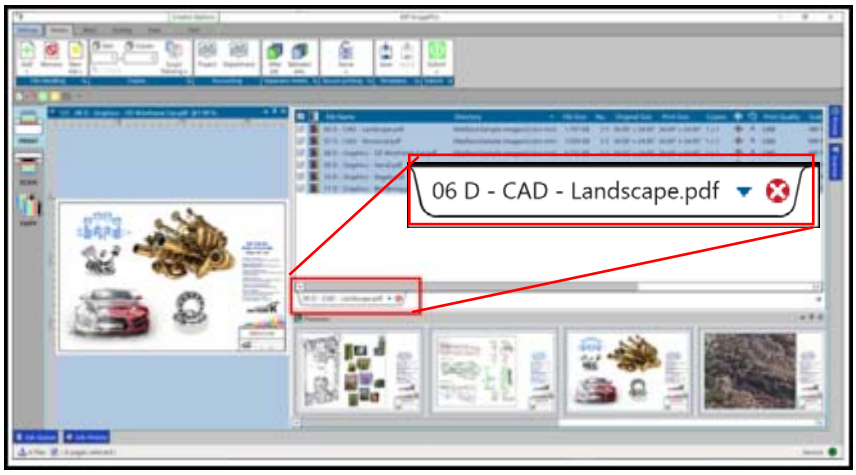
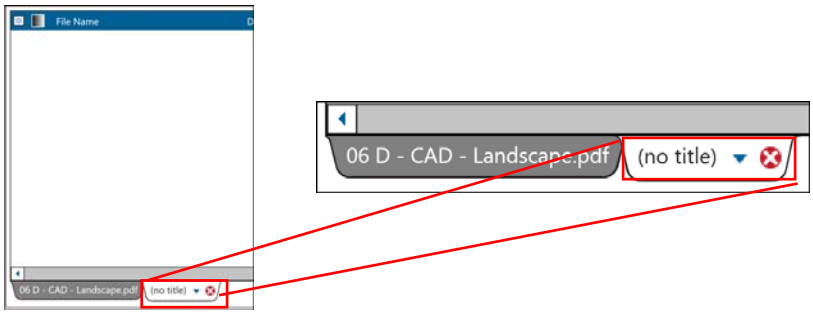
Step	Action	Illustration
5.	Select the files to be printed and select “Open”	
6.	Files will be added to the Job Matrix. There will now be a tab at the bottom left of the Job Matrix with the name of the first file selected.	
7.	Select New Job – A new tab will be created at the bottom of the Job Matrix.	

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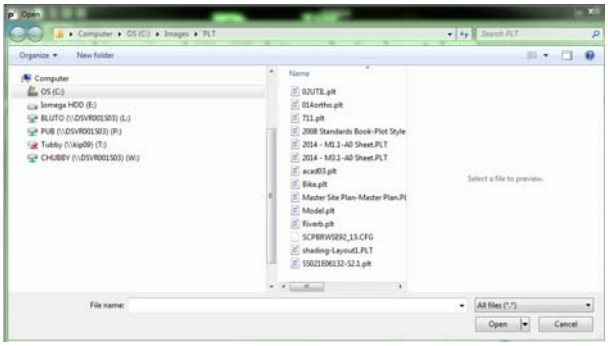
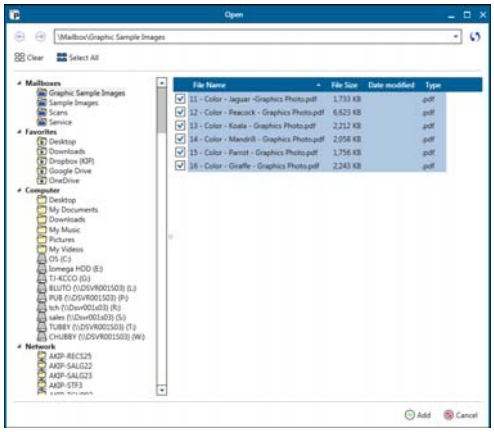
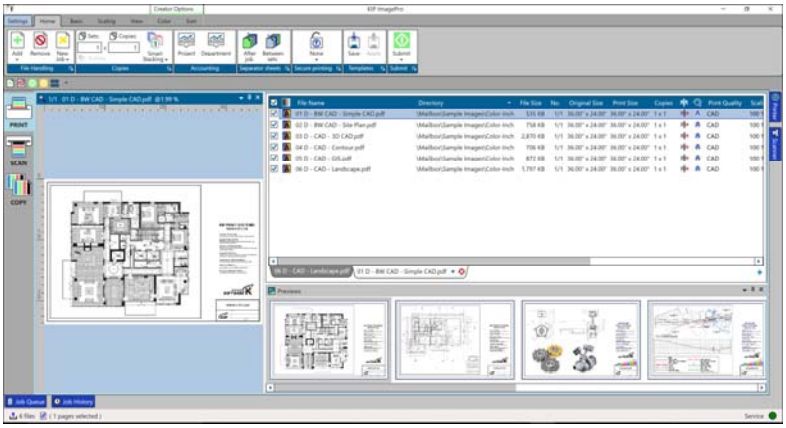
Step	Action	Illustration
8.	Select the “Add” button.	
9.	Browse to a location where files are stored.	
10.	Select the files to be printed and select “Open”	
11.	The new job (second tab) will now be displayed at the bottom with the name of the first file in the job. **Note:** The Job tabs can be renamed by clicking on the name and then changing the text.	

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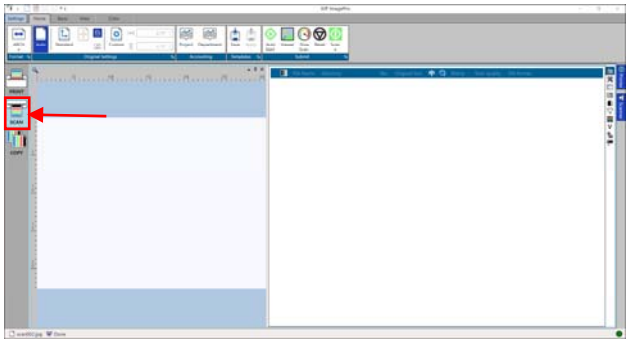
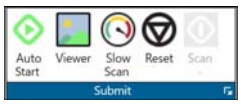
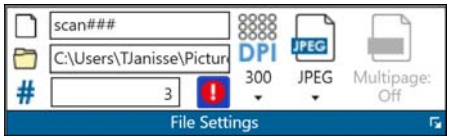
7.7 Scan to File and Rescan

Step	Action	Illustration
1.	Open KIP ImagePro by double clicking the KIP ImagePro Icon.	
2.	Once the application opens this should be the main screen. Select the Scan Icon on the left side of the screen.	
3.	Usage • If Auto Start is active, make necessary setting adjustments prior to inserting the document to be scanned. • If Auto Start is not active, it is possible to make necessary setting adjustments with the document already loaded.	 
4.	On the Basic Tab, under File Settings browse set the following: • Scan Name • Browse to the location to save the file. • Set the starting number. • Set the DPI. • Set the file format. • Turn on/off Multipage (if supported by selected format).	

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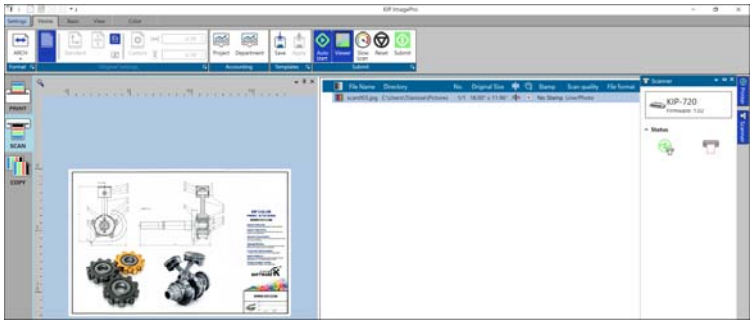
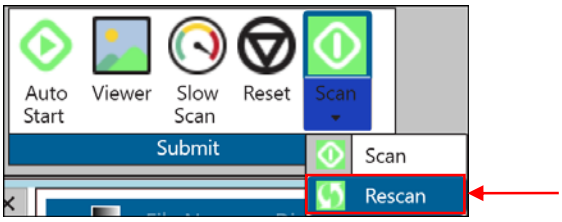
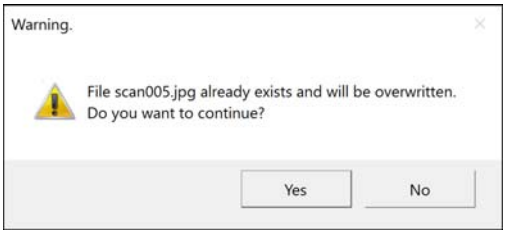
Step	Action	Illustration
5.	Scan the Document: Make any other scan adjustments and insert document into scanner. **Note:** If Preview is active the scanned image will display in the High Definition viewer. If it is not active the file will be saved in the set location without a preview.	
6.	Rescan the Document: **To be able to utilize the rescan function the Auto Start function should not be active**. Scan the document as done in step 5 (note: it will be necessary to click on the Submit button). Once the document has been scanned to the set location, insert the same document to be re-scanned. Select the Dropdown Arrow under the Submit button and select Rescan.	
7.	Overwrite warning: There will be a warning that the existing file will be overwritten. Select yes to accept the new re-scanned image.	

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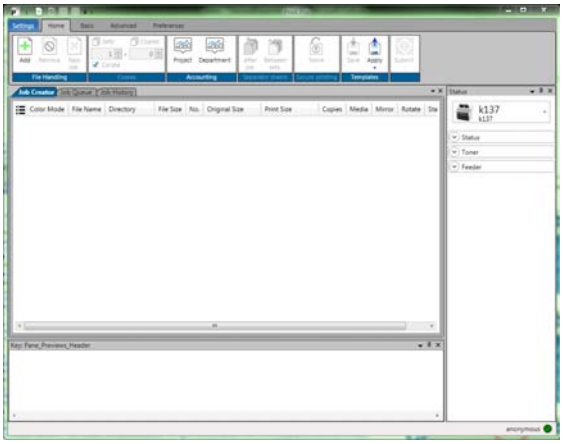
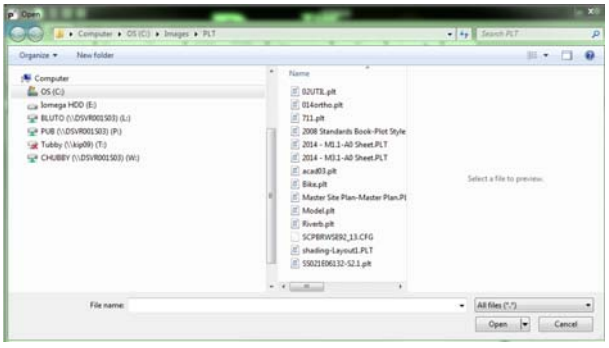
7.8 Creating a Custom Scaling Preset

The Following section will explain how to create a Custom Scaling Preset and how the different settings within the Scaling Preset can be used.

Step	Action	Illustration
1.	Open KIP ImagePro by double clicking the KIP ImagePro Icon.	
2.	Once the application opens this should be the main screen.	
3.	Select the “Add” button.	
4.	Browse to a location where files are stored.	

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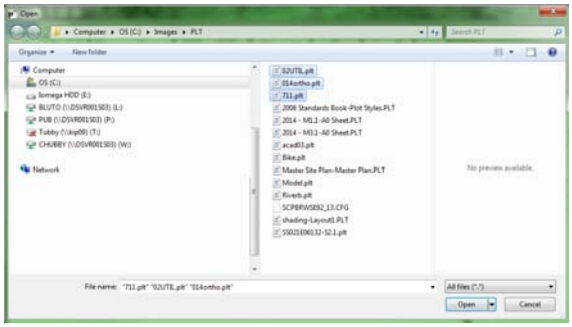
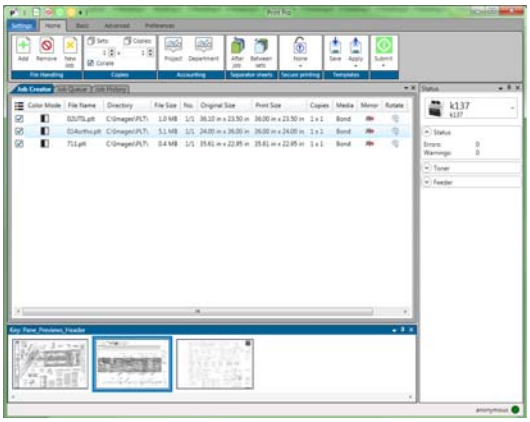
Step	Action	Illustration
5.	Select the files to be printed and select “Open”	
6.	Files will be added to the Job Creator to be printed.	
7.	Select the Settings Tab	
8.	Select the Scaling Presets button	
9.	Select New **Note:** It is also possible to make a copy and edit an existing System Preset.	

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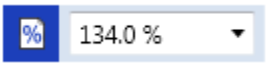
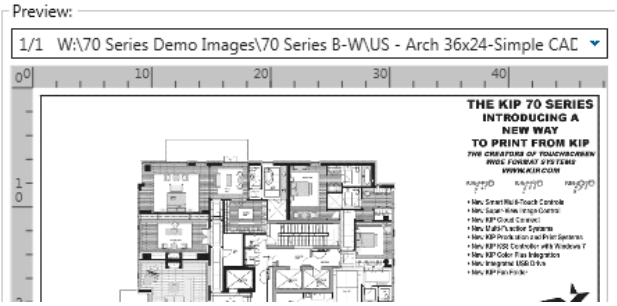
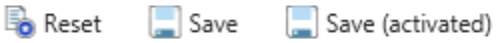
Step	Action	Illustration
10.	**Name** – This is the name that will be displayed in the Preset list of names and will be displayed on the main screen. **Note:** This example will create a Custom Scaling Preset of 134%	
11.	The Preview will show the image and the size. Select the % button and change the value to 134.	**100 Percent** **134 Percent**  
12.	**Save –** Select “Save” to save the Scaling Preset or Save (active) to save the Scaling Preset and make it active as well or select Reset to start over.	

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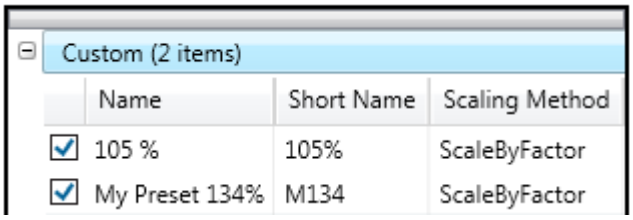
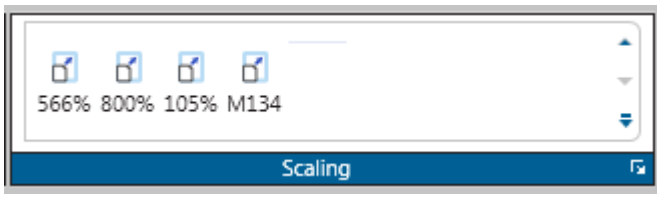
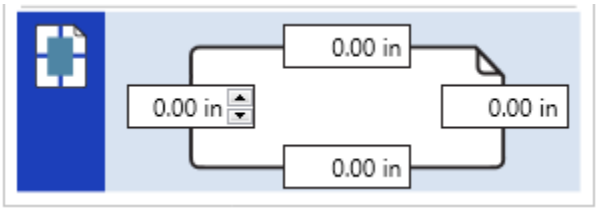
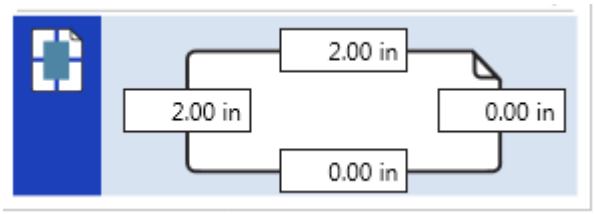
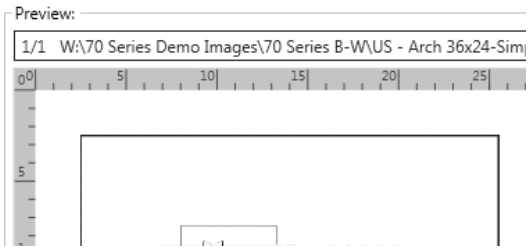
Step	Action	Illustration
13.	This new Scaling Preset will be displayed on the left panel with the other settings.	
14.	This is now usable from the KIP ImagePro application under the Basic tab. **Note:** This is now also available in other KIP Applications as well.	
15.	In addition to the previous settings if borders are necessary select the Borders section.	
16.	Add the necessary borders and this will be displayed in the Preview window.	 

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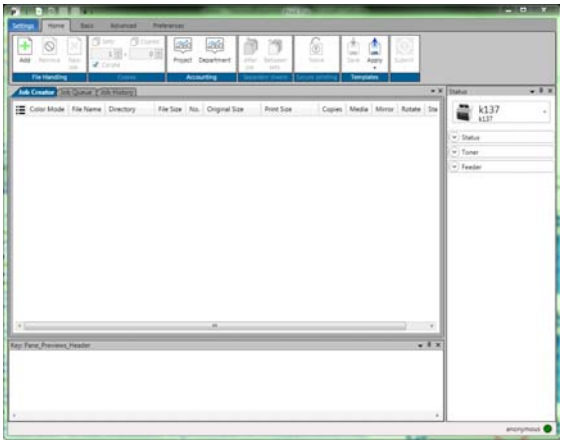
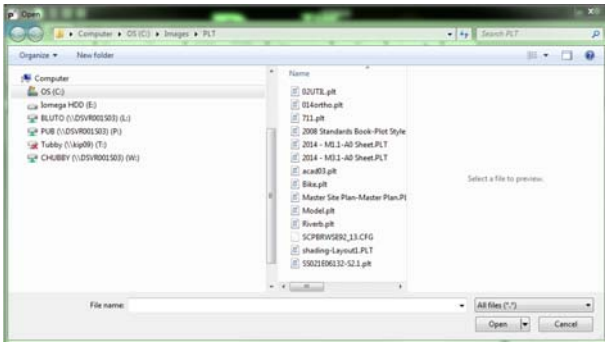
7.9 Creating a Custom Scaling Preset for Scale to Page Size

Step	Action	Illustration
1.	Open KIP ImagePro by double clicking the KIP ImagePro Icon.	
2.	Once the application opens this should be the main screen.	
3.	Select the “Add” button.	
4.	Browse to a location where files are stored.	

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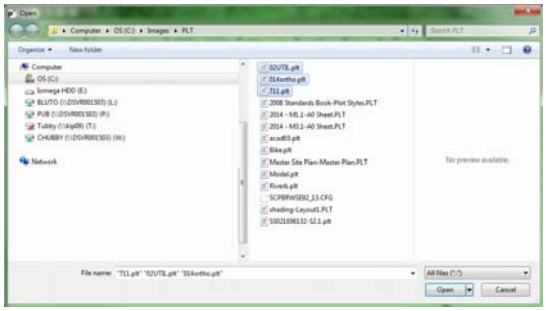
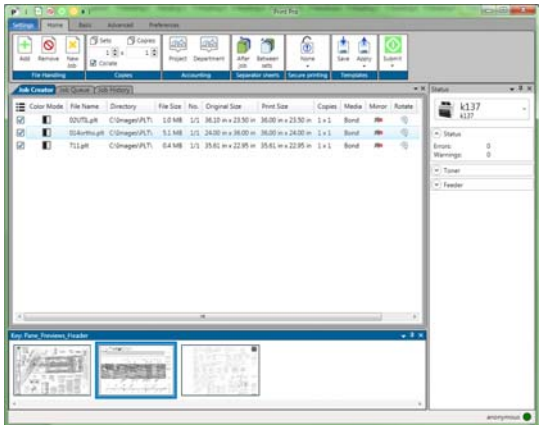
Step	Action	Illustration
5.	Select the files to be printed and select “Open”	
6.	Files will be added to the Job Creator to be printed.	
7.	Select the Settings Tab	
8.	Select the Scaling Presets button	
9.	Select New **Note:** It is also possible to make a copy and edit an existing system preset.	

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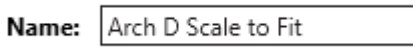
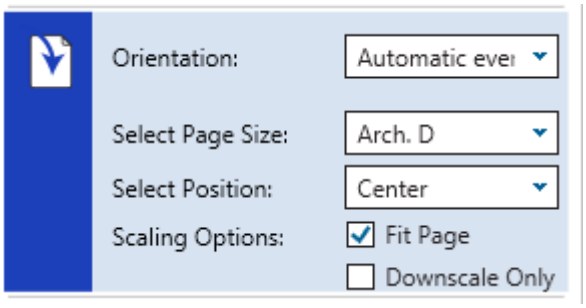
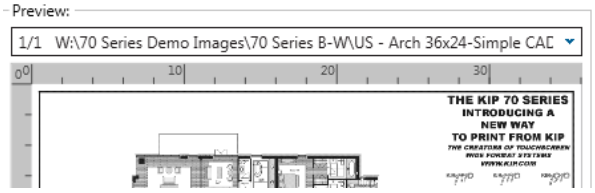
Step	Action	Illustration
10.	**Name** – This is the name that will be displayed in the Preset list of names and will be displayed on the main screen. **Note:** This example will create a Custom Scaling Preset for an Arch D Scale to Fit.	
11.	Select the desired settings for the Preset being created. Note: For this example, an Arch D Scale to Fit Preset will be created.	

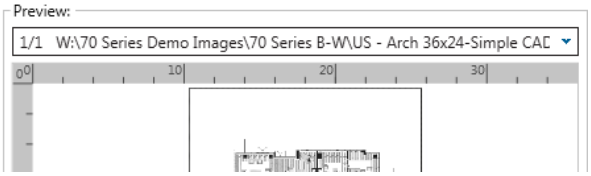
Options for the Preset:

Orientation

Automatic Even – Rotates the image on the media based on the Long Edge of the document.



Automatic Odd – Rotates the image on the media based on the Short Edge of the document.



Select Position - Select the position to place the image from the available list.

Scaling Options

Fit Page - Fits the selected image to the page size selected

Downscale Only – Does not scale images originally smaller than selected settings.

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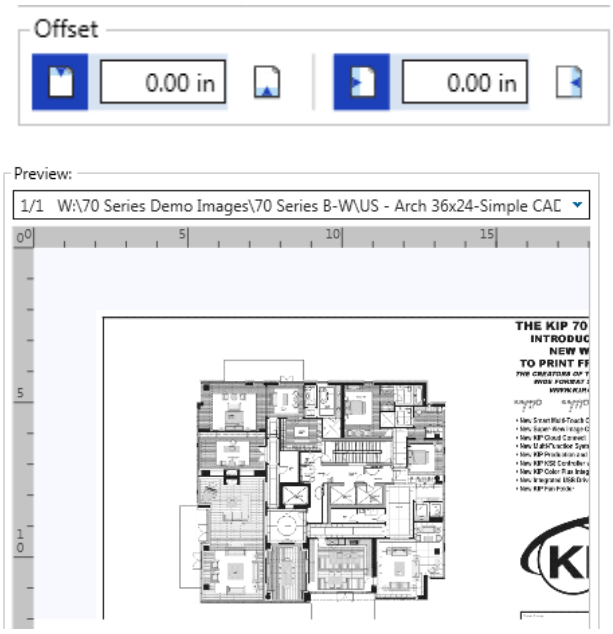
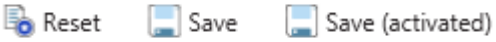
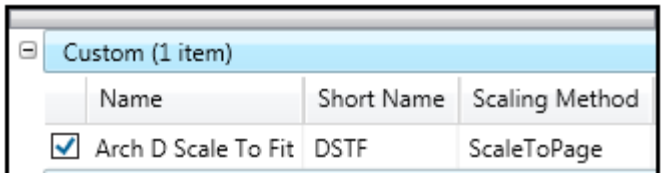
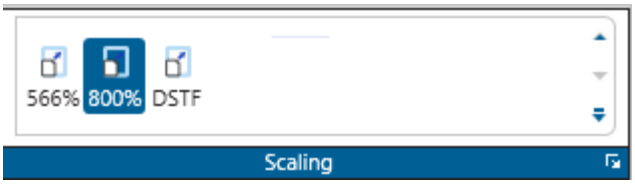
Step	Action	Illustration
12.	**Offset –** Allows for the addition of Margins to the Top or Bottom, Left or Right.	
13.	**Save –** Select “Save” to save the Scaling Preset or Save (active) to save the Scaling Preset and make it active as well or select Reset to start over.	
14.	This new system Preset will be displayed on the left panel with the other settings.	
15.	This is now usable from the KIP ImagePro application under the Basic tab. **Note:** This is now also available in other KIP Applications as well.	

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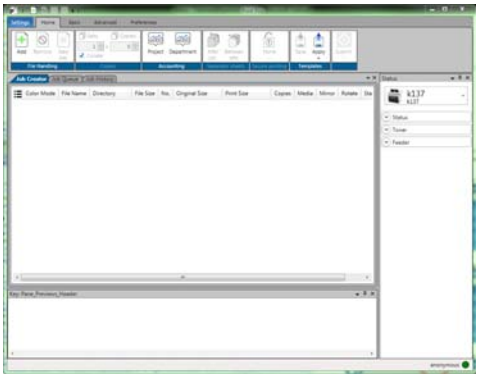
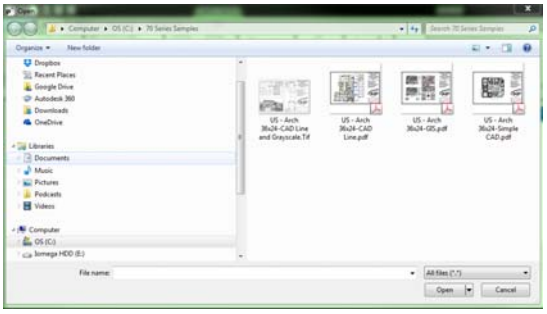
7.10 Creating a Queue for use with LPR printing.

It is sometimes necessary to set up a queue to be used for LPR Printing. This method of printing is necessary when there is a Unix, Macintosh or Custom Application. This is done by creating a Template within the KIP ImagePro application. Follow these steps to create a LPR/Hot folder Queue.

Step	Action	Illustration
1.	Open KIP ImagePro by double clicking the KIP ImagePro Icon.	
2.	Once the application opens this should be the main screen.	
3.	Select the “Add” button.	
4.	Browse to a location where files are stored. And add a file to the job matrix **Note:** it is necessary to have a file selected for all the features to become active,	

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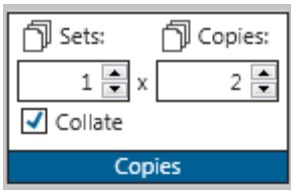
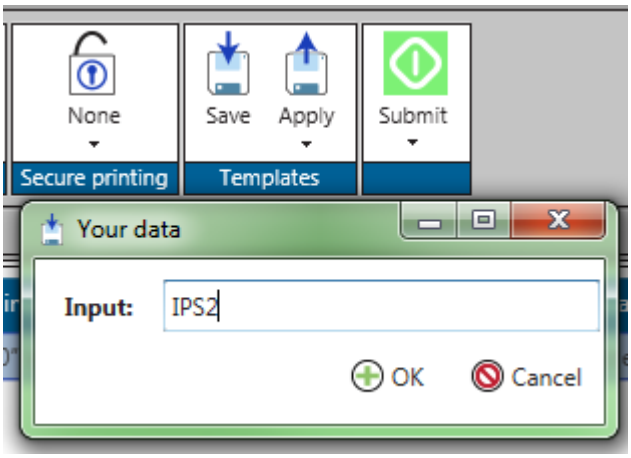
Step	Action	Illustration
5.	Select the desired settings that will be applied to the LRP queue for all files that are sent to it to be printed. For this example, this will be kept simple. This will be configured to print 2 copies.	
6.	Select the Save Icon in the Templates button. This will prompt for an Input name (this will be the Queue Name) Here the Queue Name is set to IPS2. When LPR is used to send files to the KIP Printer anything sent to IPS2 will produce 2 sheets at 100%.	

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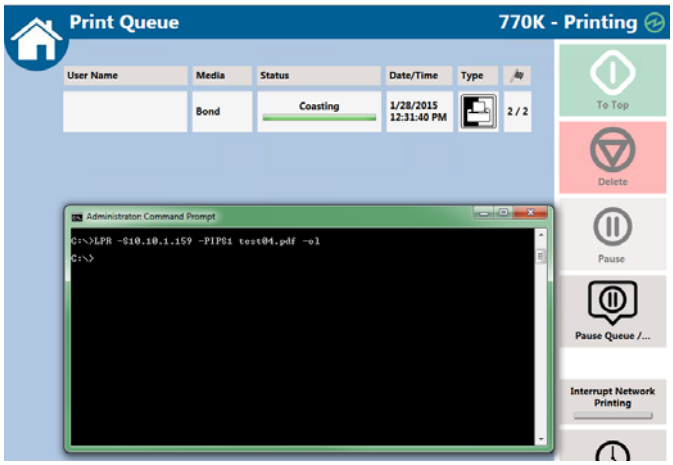
Step	Action	Illustration
7.	Next send a file via LPR and this will then be sent directly to the KIP Queue to be printed.	
8.	Printed Output 2 Sheets	

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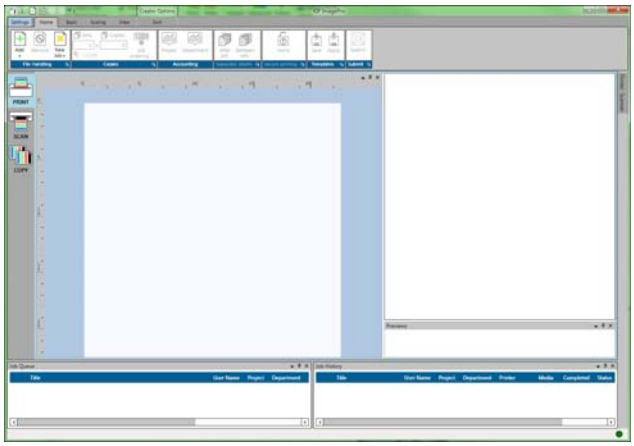
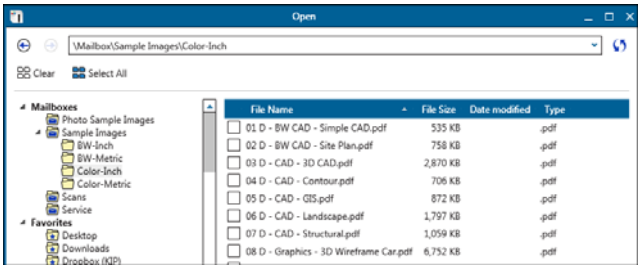
7.11 Using Secure Printing

It is possible to send files securely to the KIP Printer. This allows for jobs to be printed/released only when wanted.

Step	Action	Illustration
1.	Open KIP ImagePro by double clicking the KIP ImagePro Icon.	
2.	Once the application opens this should be the main screen.	
3.	Select the “Add” button.	
4.	Browse to a location where files are stored. And add a file to the job matrix **Note:** it is necessary to have a file selected for all the features to become active.	

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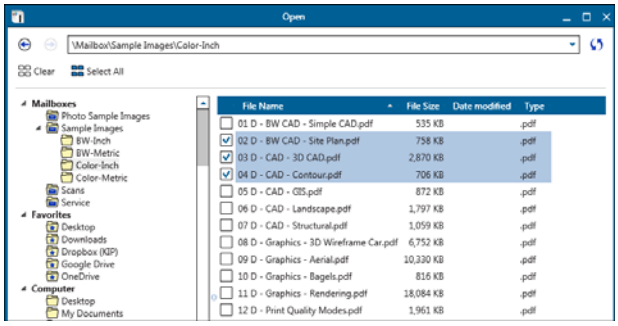
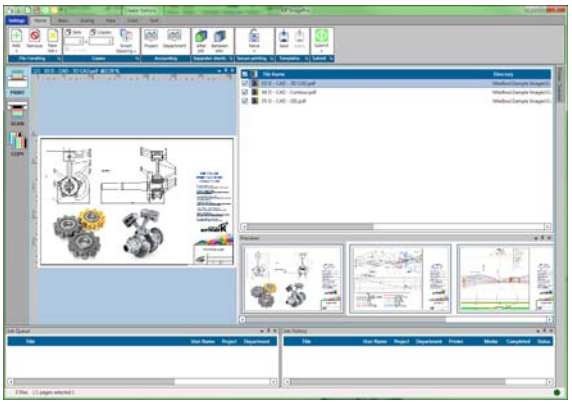
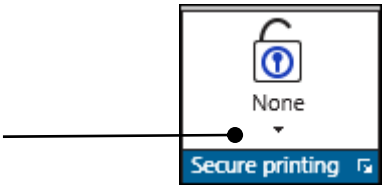
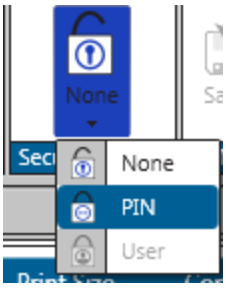
Step	Action	Illustration
5.	Select the files to be printed and select “Open”	
6.	Files will be added to the Job Creator to be printed.	
7.	Select Secure Printing Dropdown	
8.	Select the desired secure printing mode: **None** – Send as normal no security on job. **PIN** – Enter a PIN Number and then submit the Job. This job will sit in the queue and will not print until it is released with the associated PIN. **User** – When Users are required to log in, it is then possible to choose User as the secure printing entry. This will then hold all jobs sent by the user until they log in to the KIP Printer. Once logged in, all jobs by this user will be released.	

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7.12 Creating Color Presets for Templates

How to configure Color Copy and Color Scan Presets to make Workflow Automation Templates

For specific types of originals, users may wish to build short cuts to simplify the number of steps to make a color copy. Create custom Copy and Scan Presets and then combine them into a Color Copy Template. Activating the specific KIP Scanner (720 or 2300) ICC profile during the copy process improves the copy quality. In this example, we are building a preset that would work well for documents with heavy Color Graphics or CAD Documents with Photographs.

A. Use ImagePro to create Print Quality Preset
B. Use ImagePro to create Scan Quality Preset
C. At the Touch UI, combine the Print and Scan presets to make a Template

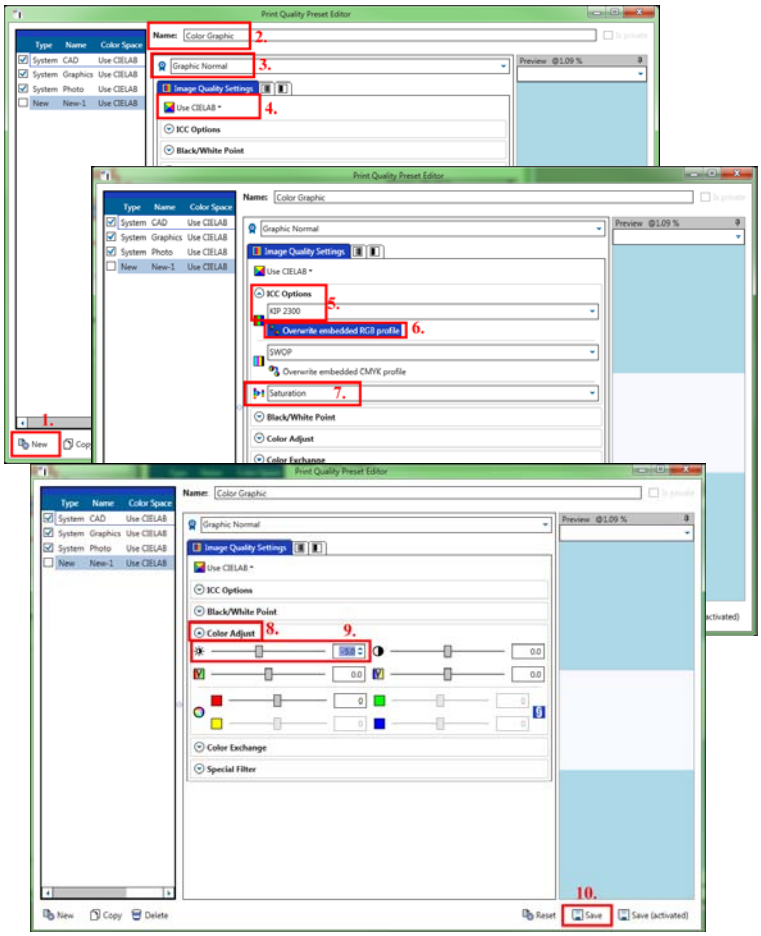
A. Use ImagePro to create a Print Quality Preset

Open **ImagePro**, go to **Settings**, then **Print Quality Presets**. Configure the parameters shown and then save/activate the new system preset.

1. Select **New**
2. Change the name to: **Color Graphic**
3. Set Image Quality: **Graphic Normal**
4. Color Space: **CIELAB**

Change the following **ICC/CIELAB Options**:

5. RGB Profile: **KIP 2300**
6. Enable: **Overwrite embedded RGB Profile**
7. Select Rendering Intent: **Saturation**
8. In **Color Adjust**, change:
9. **Brightness: -5** (adjust this to darken the output)
10. Select **Save (activated)** to add the Print Quality Preset to the Touch and ImagePro UI



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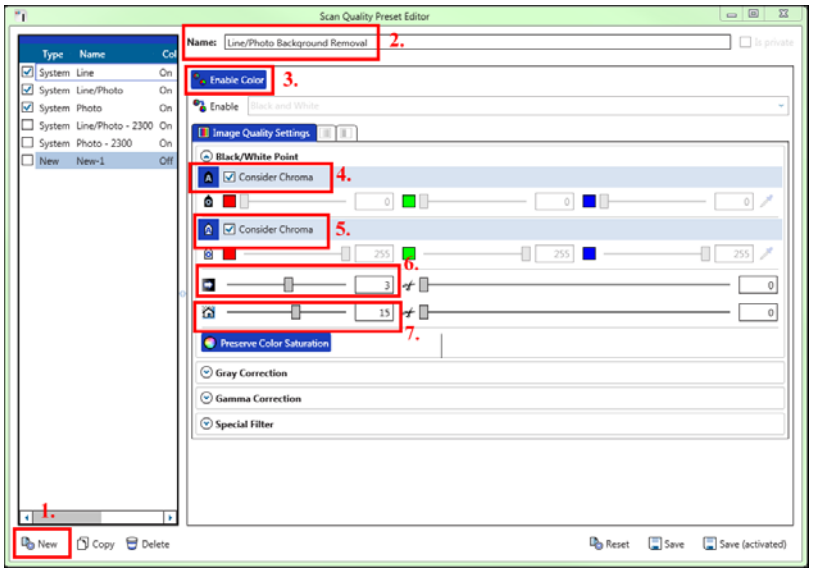
B. Use ImagePro to create a Scan Quality Preset

Open ImagePro, go to Settings, then **Scan Quality Presets**. Configure the parameters shown and then

1. Select **New**
2. Change the name to: **Line/Photo Background Removal**
3. Ensure **Enable Color** is checked

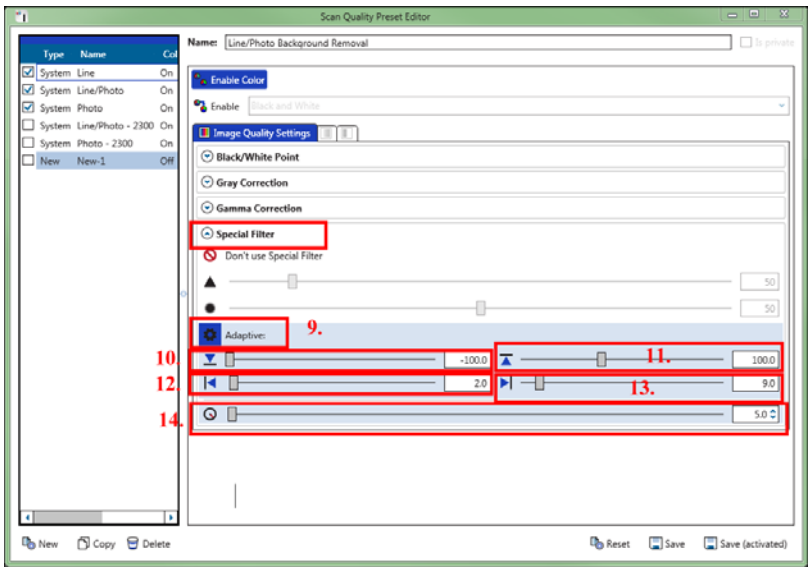
Set the following Image Quality Settings:

4. **Blackpoint: Adaptive** and **Consider Chroma**
5. **White point: Adaptive** and **Consider Chroma**
6. **Black Enhancement: 3**
7. **Background Removal: 15**
8. Enable**: Preserve Color Saturation**



In the **Special Filter** section set the following:

9. **Adaptive Mode: ON**
10. **Low Level: -100**
11. **High Level: 100**
12. **Limit Left: 2**
13. **Limit Right: 9**
14. **Radius: 5**



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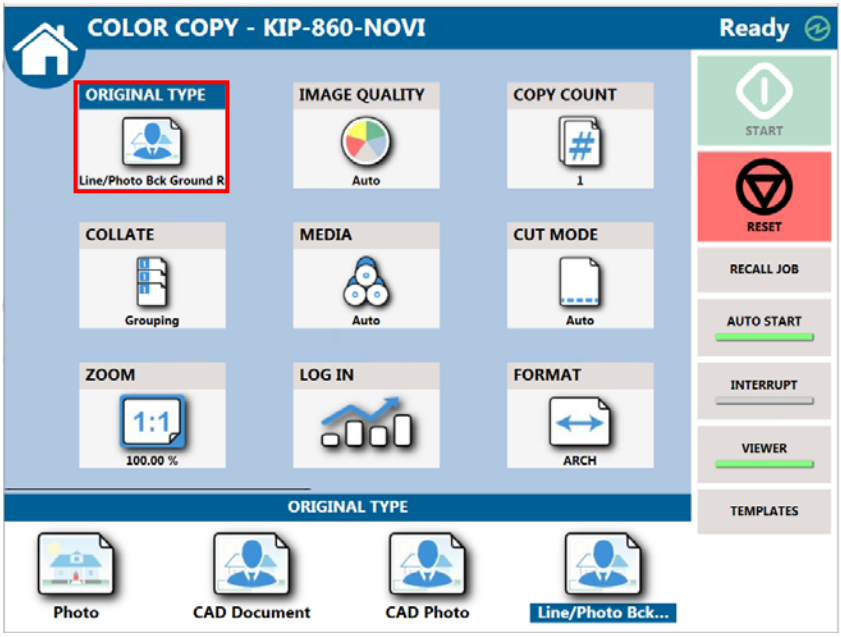
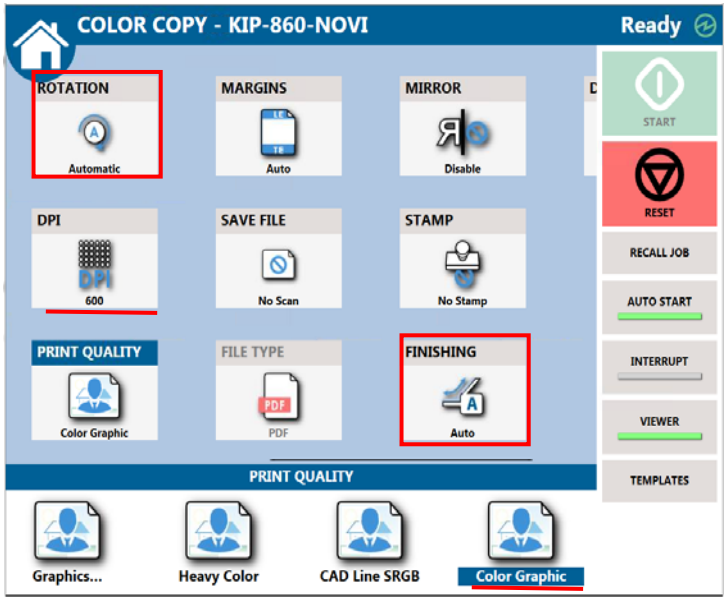
C. Use Touch UI to create a Template to simply the workflow

Once the Print and Scan Quality Presets have been created. Go to the Touch UI and combine them with other settings to make a Color Copy Template:

1. On the Color Copy UI, choose **Original Type**: locate the name of Scan Quality Preset created in ImagePro. In this example, we had named it "**Line/Photo Background Removal**"



2. Scroll to the right on the Touch UI to access the **DPI: 600** and **Print Quality** preset named **Color Graphic:**



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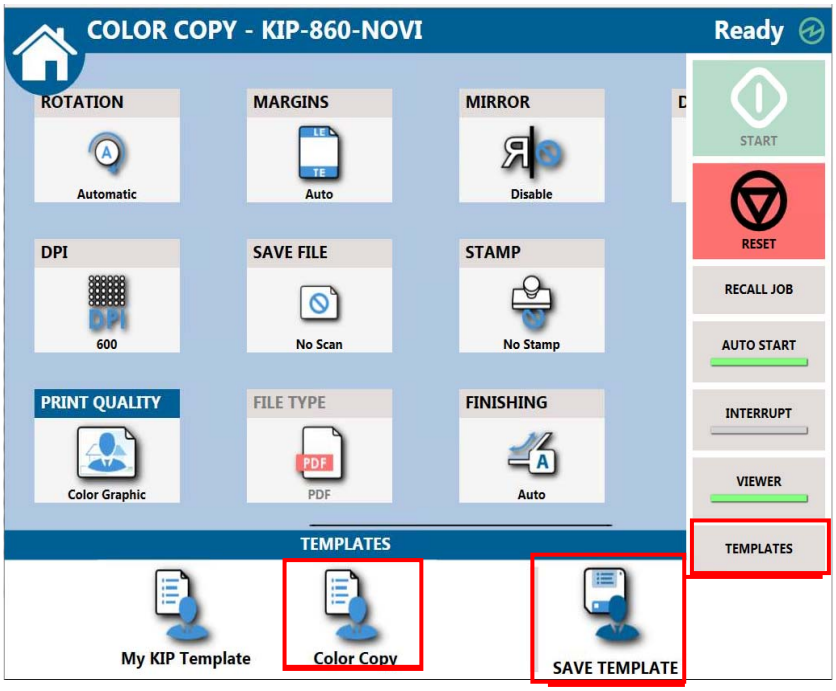
3. Locate the **Template** button on the far right and save the Template with a recognizable name such as **Color Copy.** The next time you need to make a quick color copy, access the Templates and choose the one that is best for your application.

4. Use this Template to quick access the best settings to make a Color Copy.



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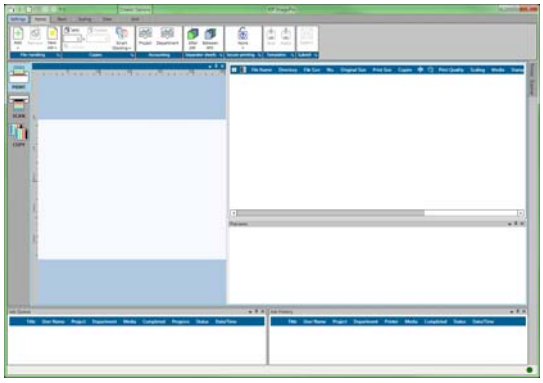
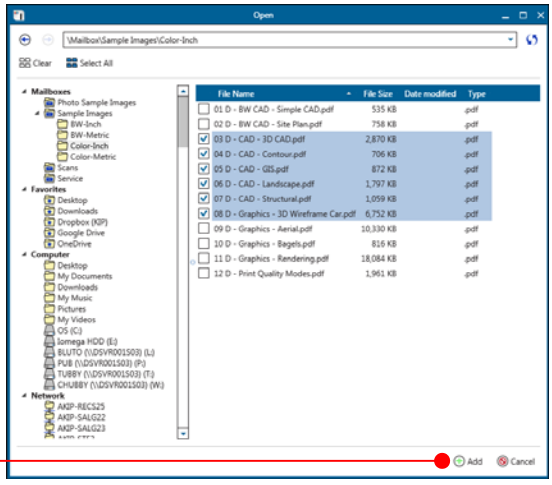
7.13 How to Save a Job and Load a Saved Job.

It is possible to create a job that may be used often and save this so that it can be loaded (recalled) again later. This procedure will show how this is done.

Step	Action	Illustration
	Saving a Job	
1.	Open KIP ImagePro by double clicking the KIP ImagePro Icon.	
2.	Once the application opens this should be the main screen.	
3.	Select the “Add” button.	
4.	Browse to a location where files are stored. Select the files to be added. Select the “Add” Button.	

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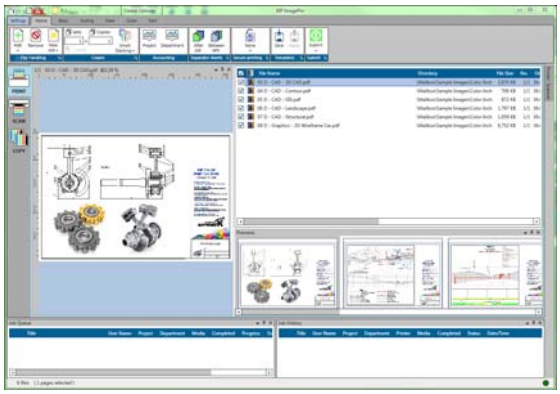
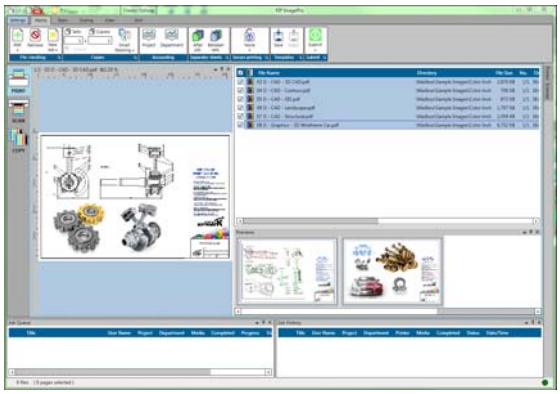
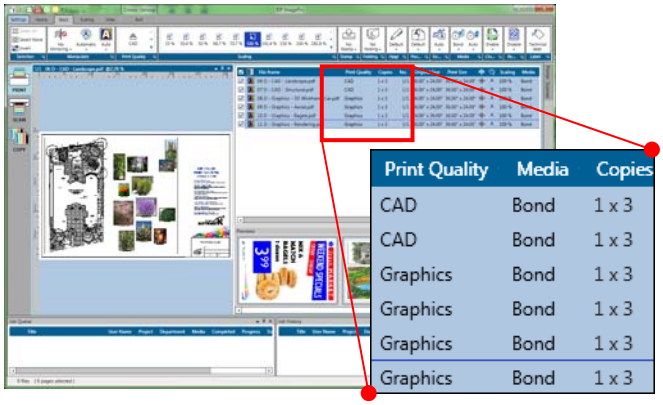
Step	Action	Illustration
5.	Once the files have been added they will show up in the job creator as well as in the preview pane at the bottom of the screen.	
6.	Select all the files (if changes are to be made to all files) or individual files. Selected files will highlight in blue.	
7.	Set up the job as if it is to be printed with whatever settings are necessary. Here # of copies is changed to 3 and Print quality is set to match the desired output.	

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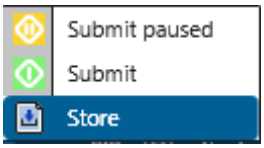
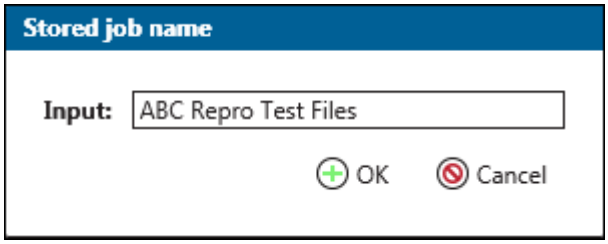
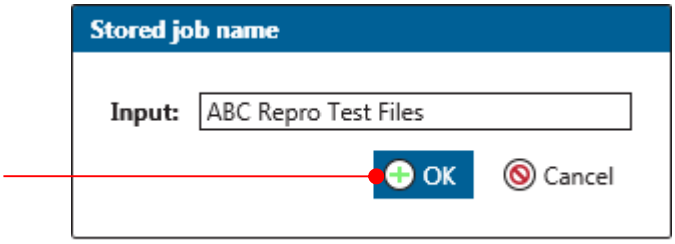
Step	Action	Illustration
8.	Return to the Home Tab and select the dropdown arrow under “Submit”	
9.	Select “Store”	
10.	Enter a name for the job being saved.	
11.	Select “OK” to save	

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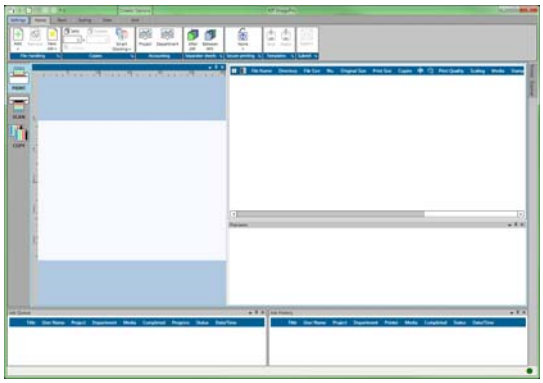
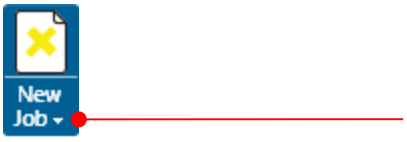
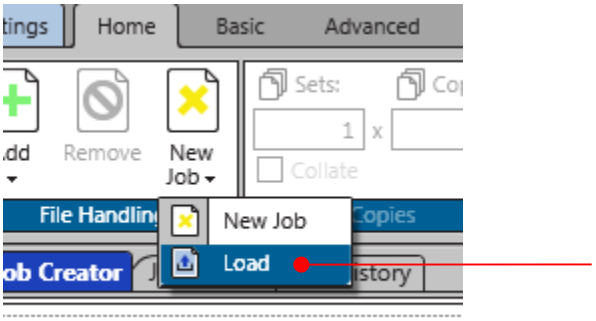
Step	Action	Illustration
	Loading a Saved Job	
1.	Open KIP ImagePro by double clicking the KIP ImagePro Icon.	
2.	Once the application opens this should be the main screen.	
3.	Select the dropdown arrow on the “New Job” button.	
4.	Select the “Load” button.	

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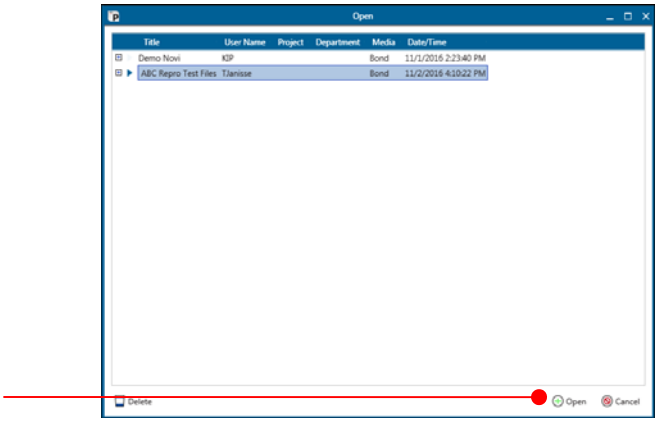
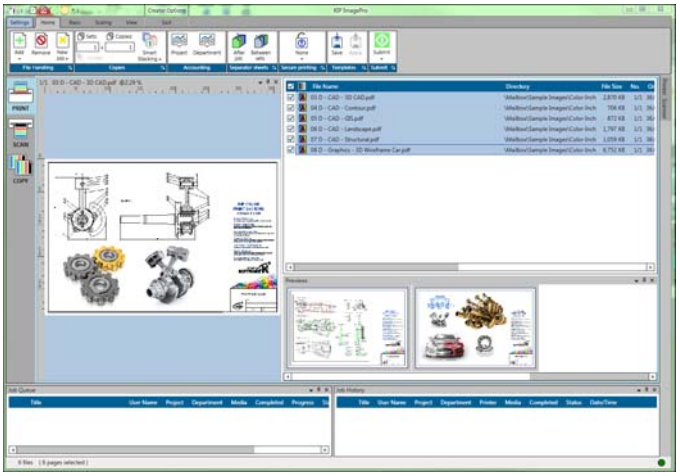
Step	Action	Illustration
5.	Once the job has been selected click the “Open” button.	
6.	This will add the selected saved job back into the Job Creator with all the settings it was saved with. This job can now be submitted as is or files may be added to it or removed from it prior to submittal. If changed it can then be saved as a new saved job if necessary following the steps in the previous section.	

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8 Appendix 1 Features and functions

Features and Functions

	KIP Image Pro	Notes
KIP Image Pro Features		
Easy Deployment	√	Via Click Once for Auto Updates, or MSI installer for stand alone.
Image Processing at System K	√	Copy and Print data is processed at the System K controller, not the PC.
KIP Accounting Center integration	√	
KIP Cost Center integration	√	
Scan Features		
Mono Scan to file	√	
Color Scan to File	√	
Scan to single page	**TIF, PDF, PDFA, JPEG, TIF, TIFF RLE**	
Scan to multipage	**TIF, PDF, PDF A**	
Live Preview during Scan	√	
Area of Interest Scan	√	Select AOI after

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		scan
Simple Scan Filters	√	
Auto and Manual Filename	√	
Advanced Scan Filters	√	
Adjust Scan/Copy Resolution	√	
Adaptive Black Point	√	
Choose Black Point with dropper	√	
Adaptive White Point	√	
Choose White Point with dropper	√	
Scan-to-File Account Log	√	Log stored on PC
Stamp during Scan	√	
Preview	√	
Prescan	√	
Deskew	√	
Scan to System K Mailbox	X	
Copy Features		
Mono copy to KIP Mono systems	√	
Color copy to KIP Color systems	√	
Live Preview during Copy	√	
Area of Interest Copy	√	Select AOI after scan and before

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		Print
Simple Copy Filter	√	
Concurrent Copy/Print	√	
Advanced Copy Filter	√	
Adjust Scan/Copy Resolution	√	
Adaptive Black Point	√	
Choose Black Point with dropper	√	
Adaptive White Point	√	
Choose White Point with dropper	√	
Black Enhancement and Clip	√	
Background Removal and Clip	√	
Copy Account Log	√	Copies are stored in Printers accounting log
Stamp during Copy	√	
Preview	√	
Prescan	√	
Deskew	√	
Print Features		
Same features as KIP Print Pro	√	This is Print Pro + AOI, Color Management, Paneling, Nesting.

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Print from System K Mailbox	√	
Unlimited Workstations (Print)	√	Print functions available from any PC connected to System K with Keycode.
Area of Interest Print	√	Select AOI after scan and before Print
Print TIF, JPG, PDF, etc	√	All supported formats
Spot Color Replacement Filter	√	
Paneling	√	By width only
Nesting/Step and Repeat	√	Of multiple copies, not multiple files.

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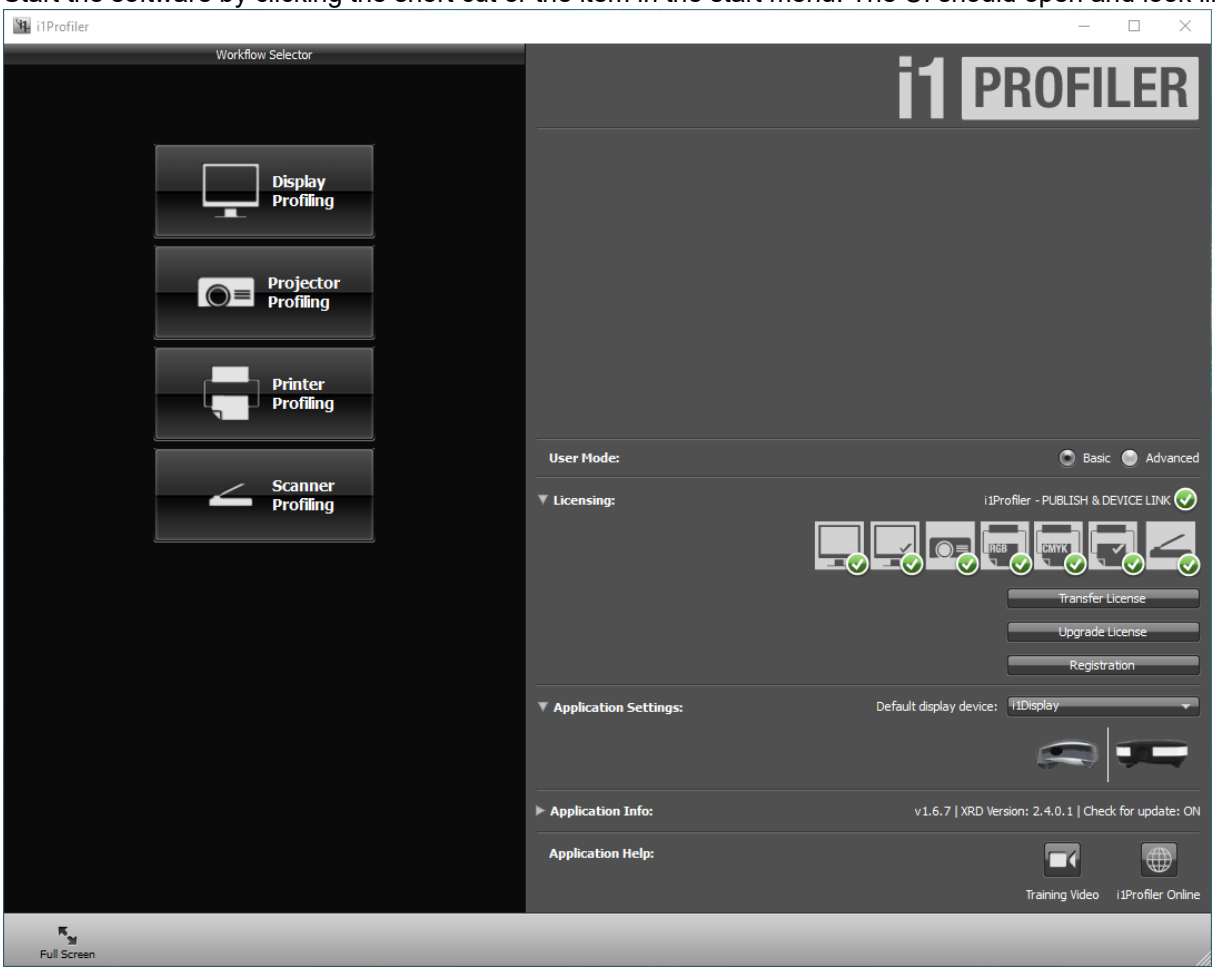
9 Appendix 2 How to get the print data for calibration of the System K Profiling Wizard

Pre-requisites

The user needs to have profiling software installed and licensed. This document describes the necessary steps using the software “i1Profiler”.

9.1 Creation of the .tif file

1. Start the software by clicking the short cut or the item in the start menu. The UI should open and look like this.



2. Under Application Settings - Ensure that “your” device is selected. For this example a i1Pro\i1Pro2 is selected

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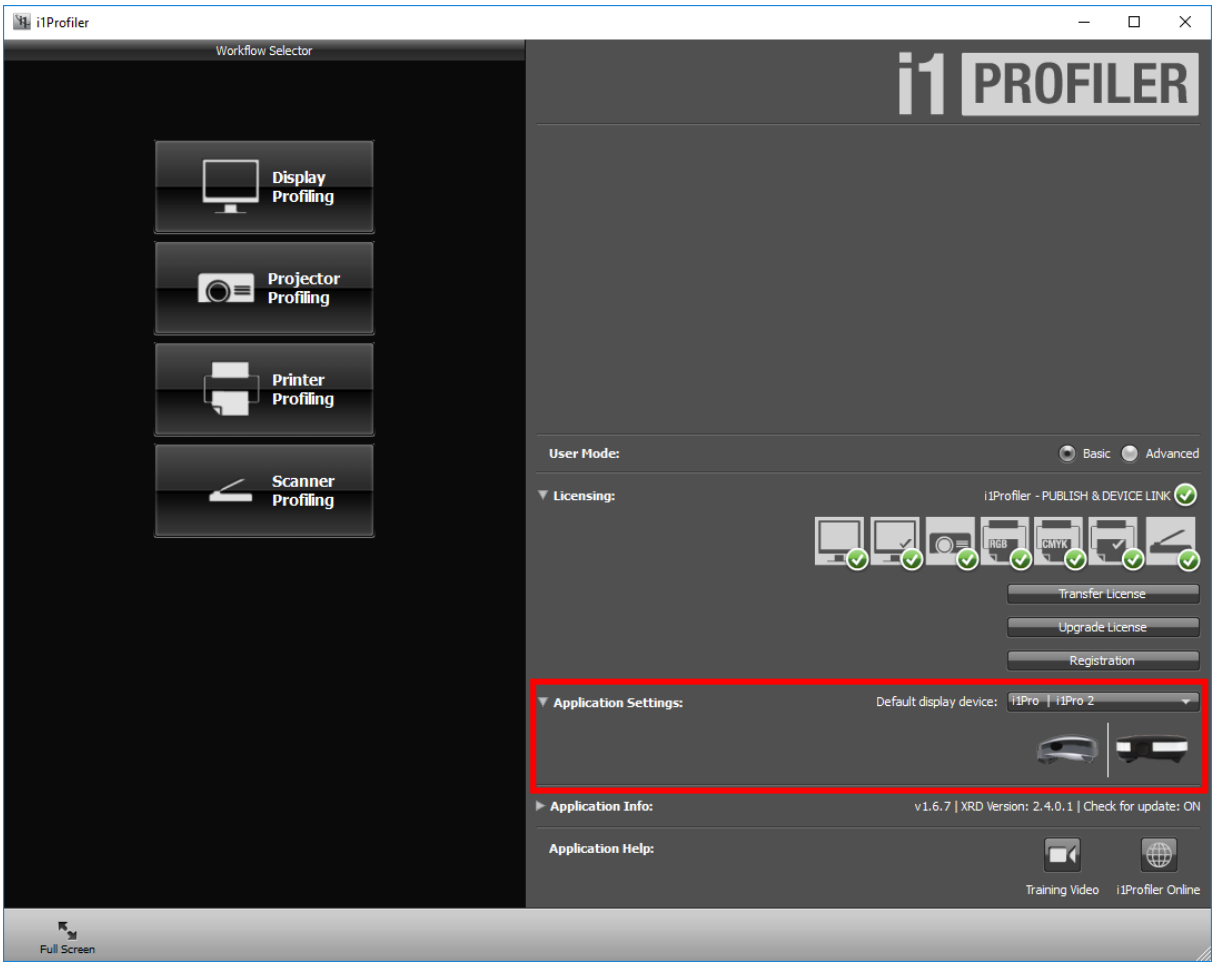

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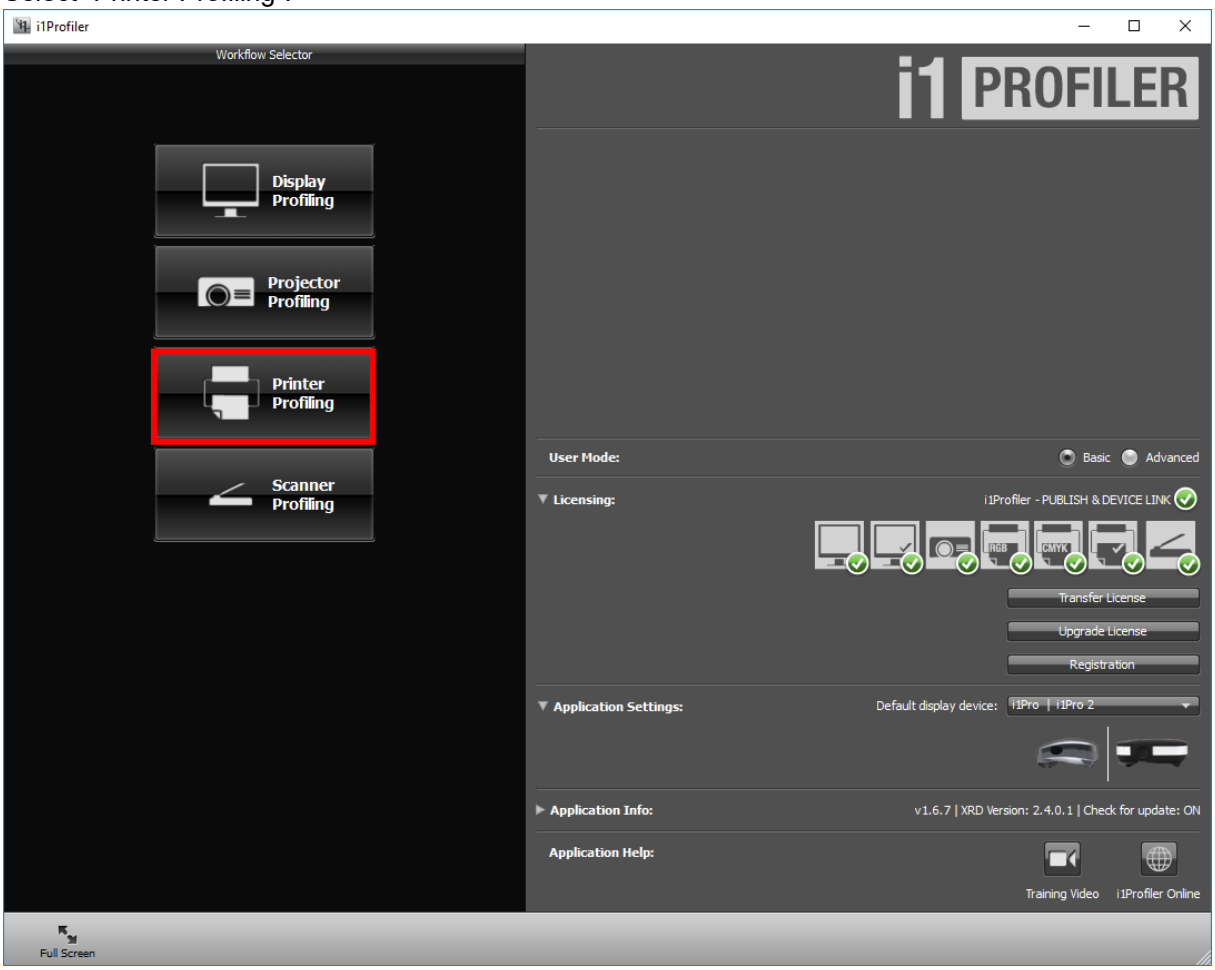
3. Select “Printer Profiling”.



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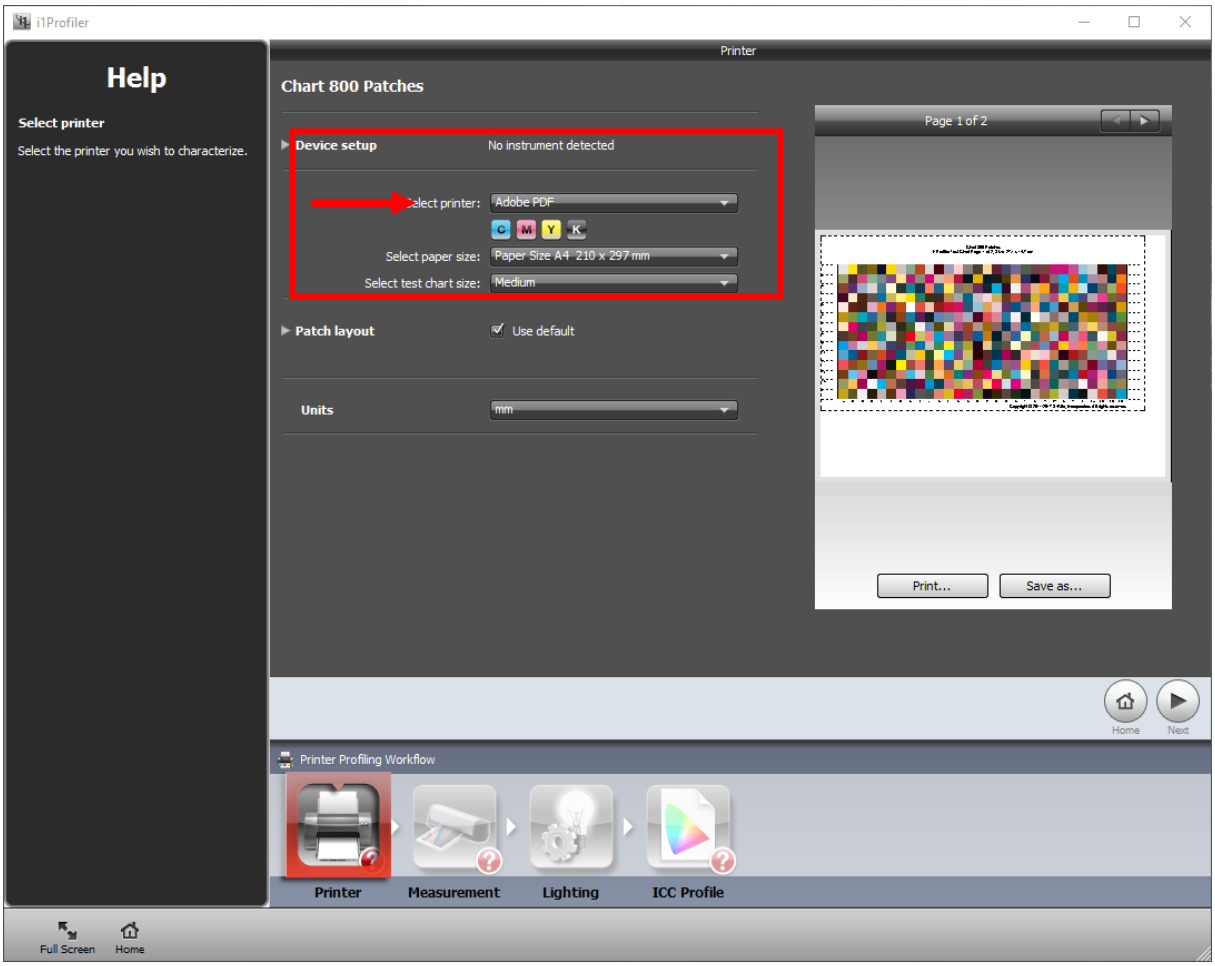
4. Under Device Setup it will be necessary to select a printer.

   a. “Select printer” it is necessary to select a CMYK based printer, this is indicated by the colored items under the printer selection. Here we are selecting the Adobe PDF option to achieve this.



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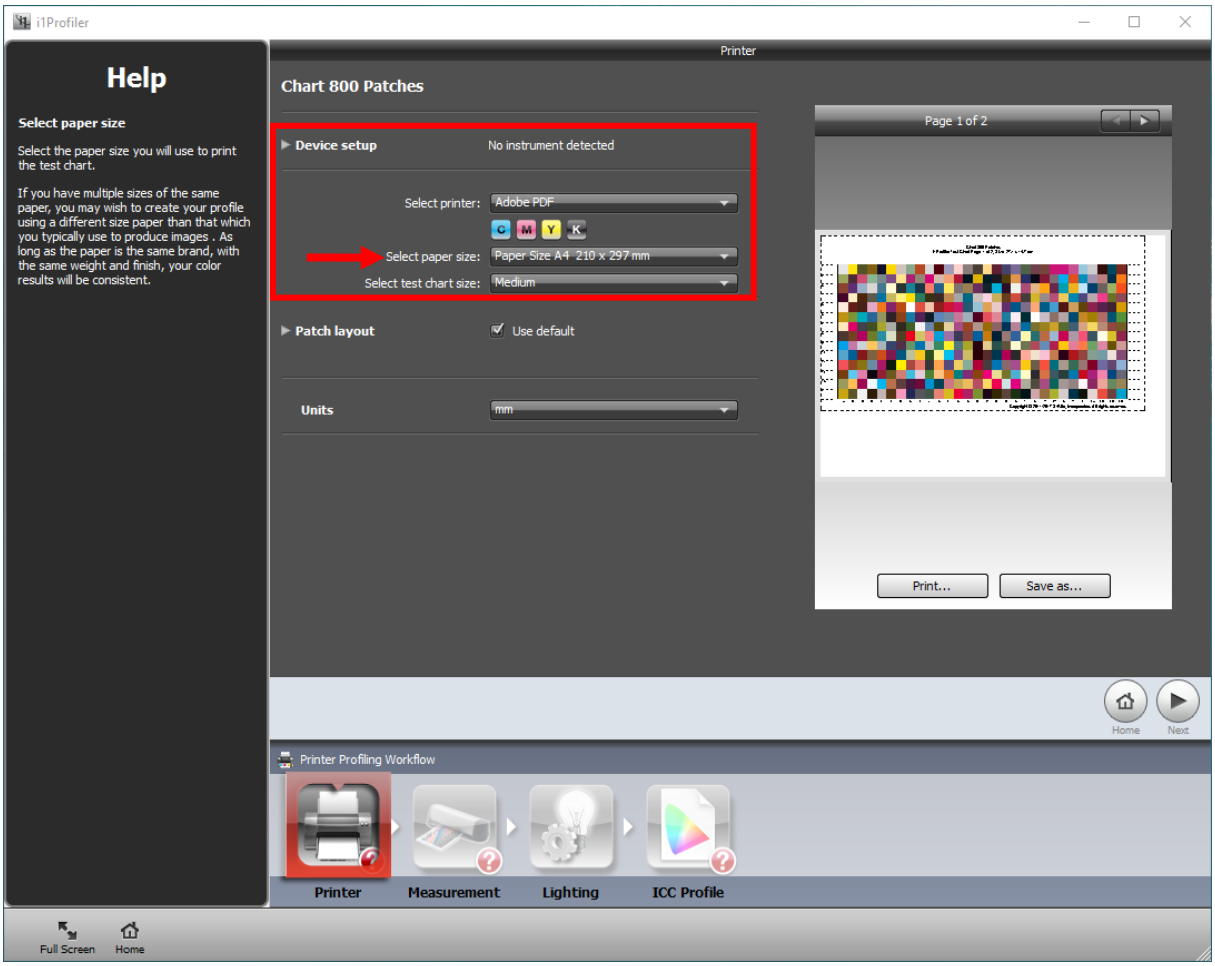
b. “Select paper size”



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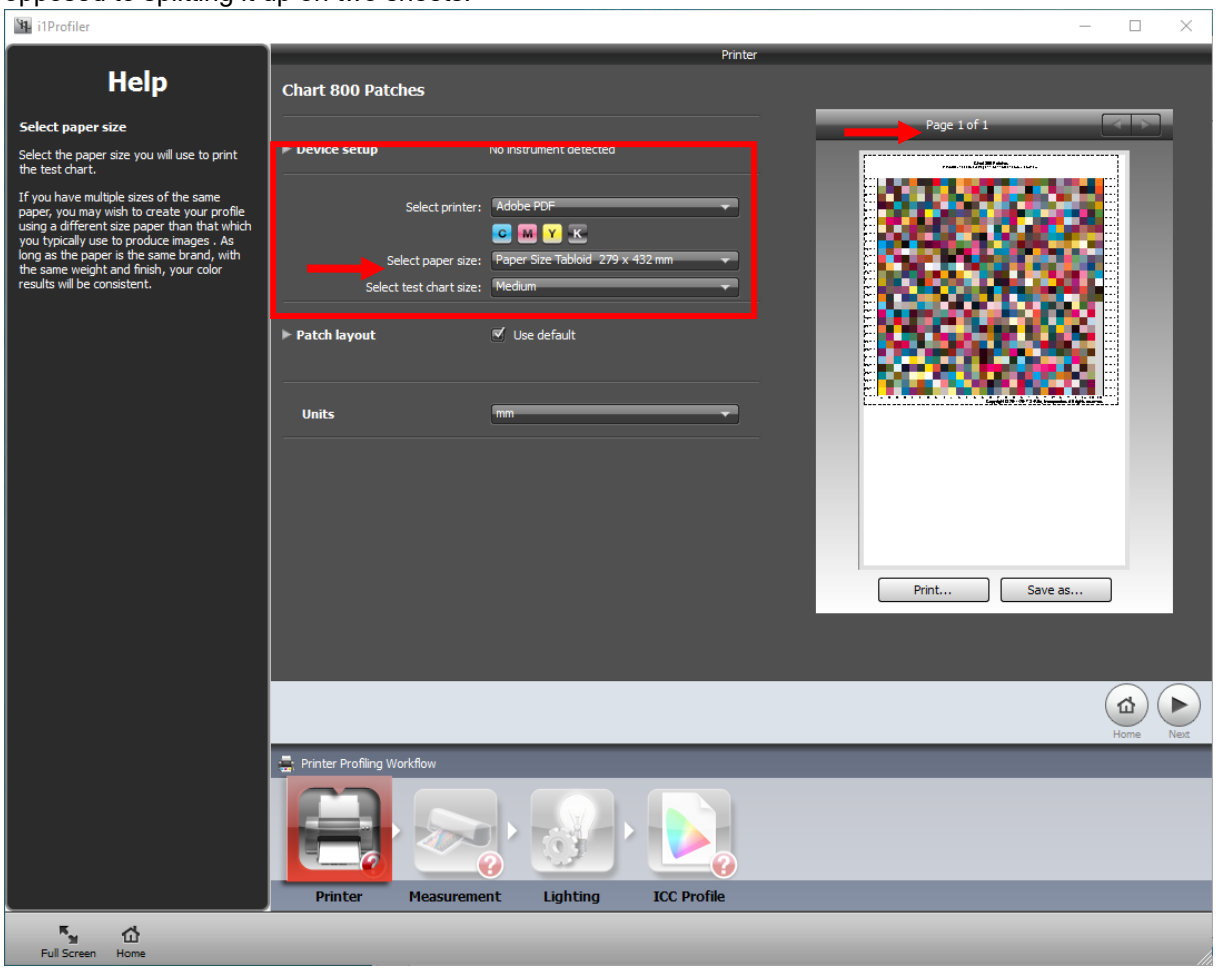
It is recommend to use the “Paper Size A3” or “Paper Size Tabloid”, this will build the profile on one sheet as opposed to splitting it up on two sheets.



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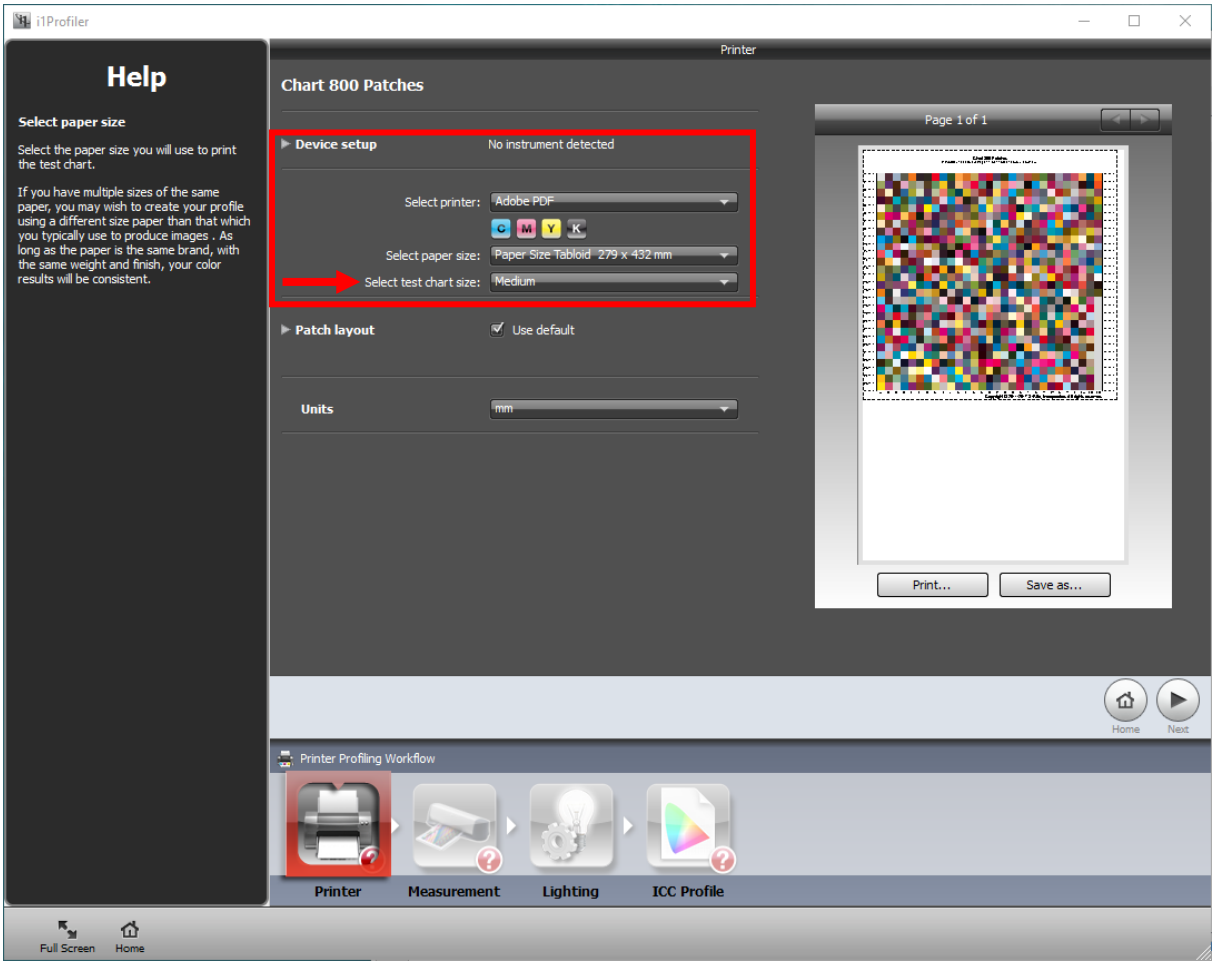
c. “Select test chart size” Do not change the size of the test chart. Leave this setting at Medium.



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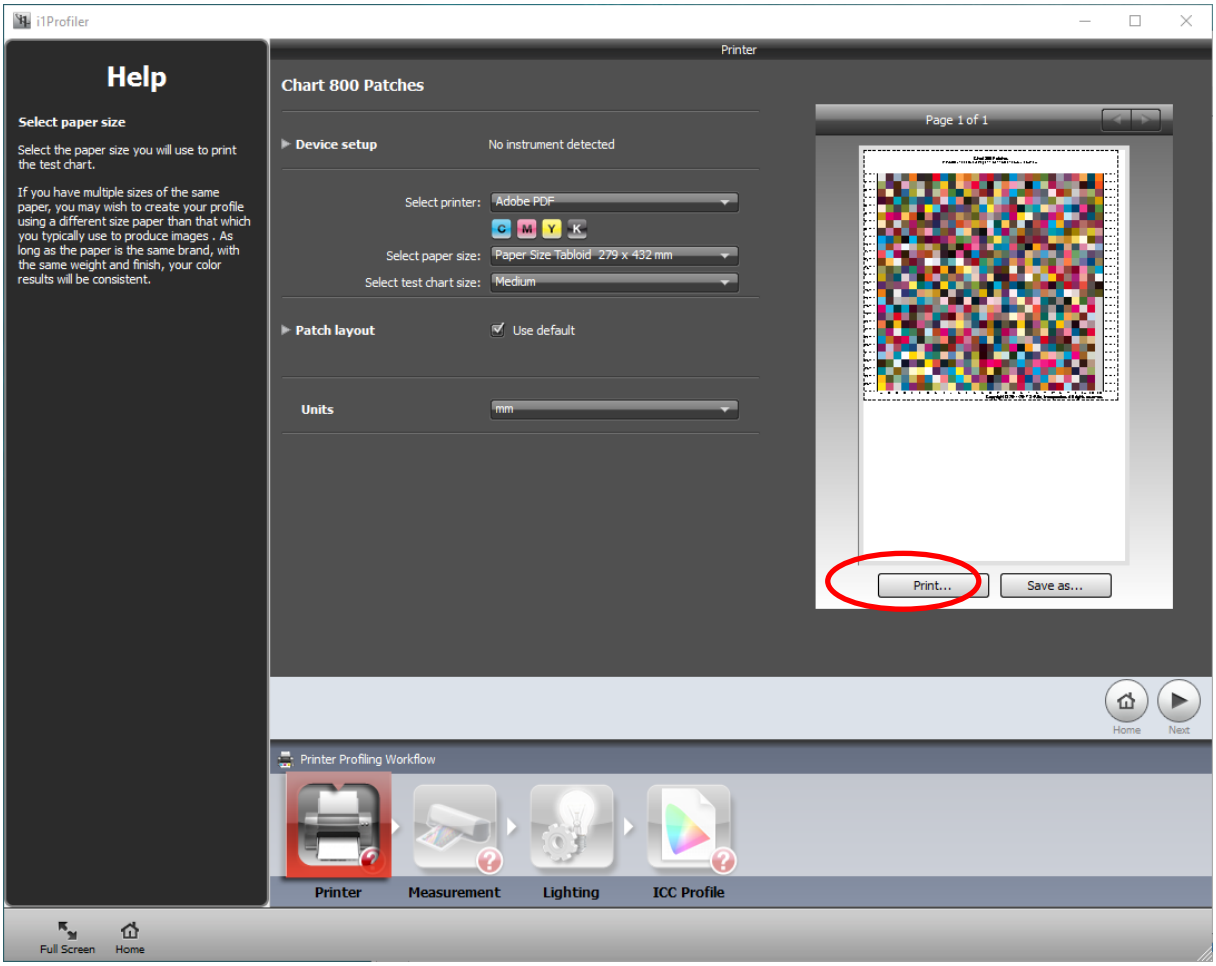
d. “Save as”



Click “Save as“ to save the target, Once the “Save As” window opens select format “TIFF Files (*.tif)“ as file type. Samve this to an easily accesible location. This file can be loaded into SystemK for the calibration process, please refer to Appendix 3, which describes this process for further information.

Note: Please select a path which could be easily accessed by the SystemK software to improve the workflow. We would recomment to use file names which make it easy to know for which device this file is. For example “X-rite-i1Pro-A3.tif”

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10 Appendix 3 How to use the System K v1.6 Profiling Wizard

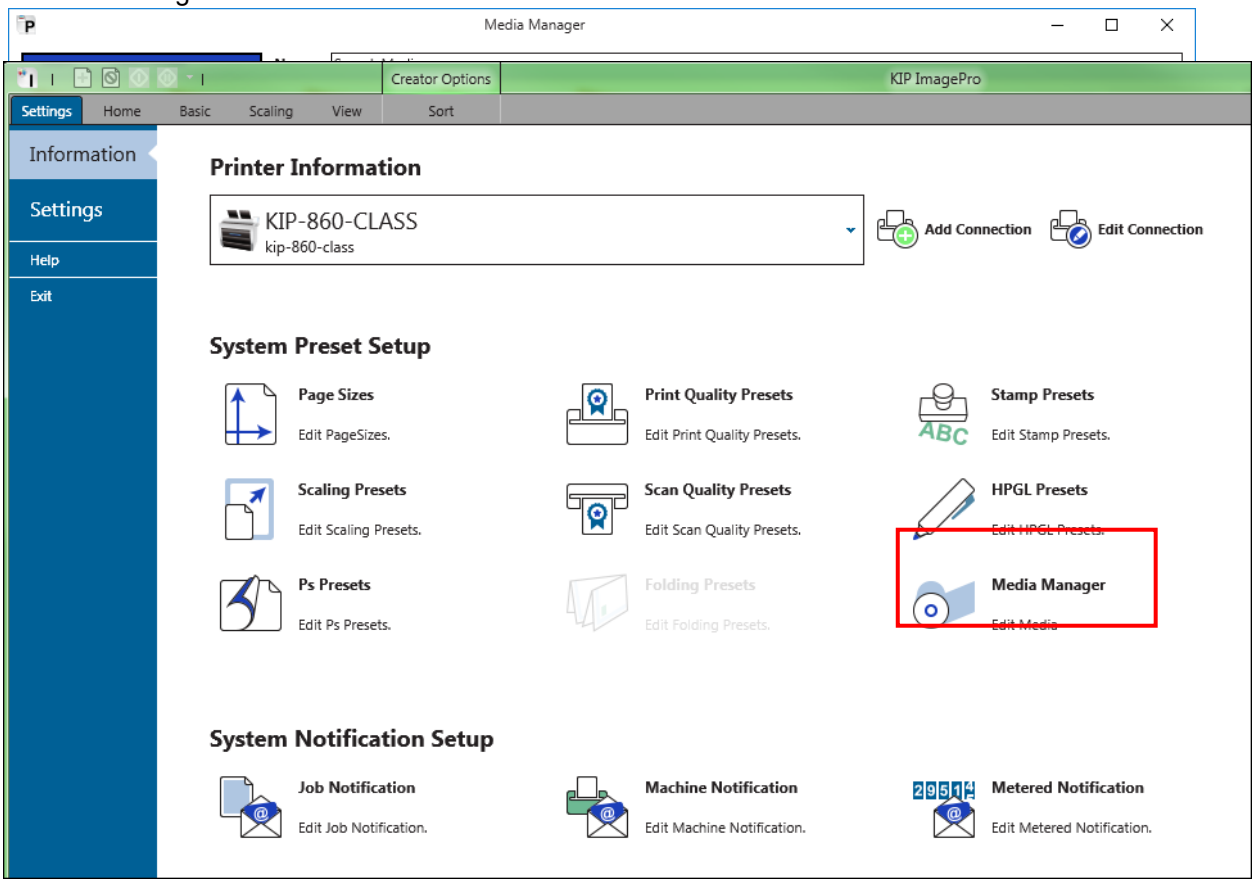
Pre-requisites

In order to achieve the best quality, please ensure that the printer is in good condition. The software used for creating an ICC profile should be installed and ready to use. If you want to create a single profile or multiple profiles, the steps are the same.

10.1 How to update a media creating a new profile.

1. Open the "*Media Manager*" in ImagePro.

2. Select the media you would like to change. Or Create a new Media and Save (activated) and then select this media to change.



Please be sure that the media is active, otherwise the "*Start ProfWiz*" button is disabled

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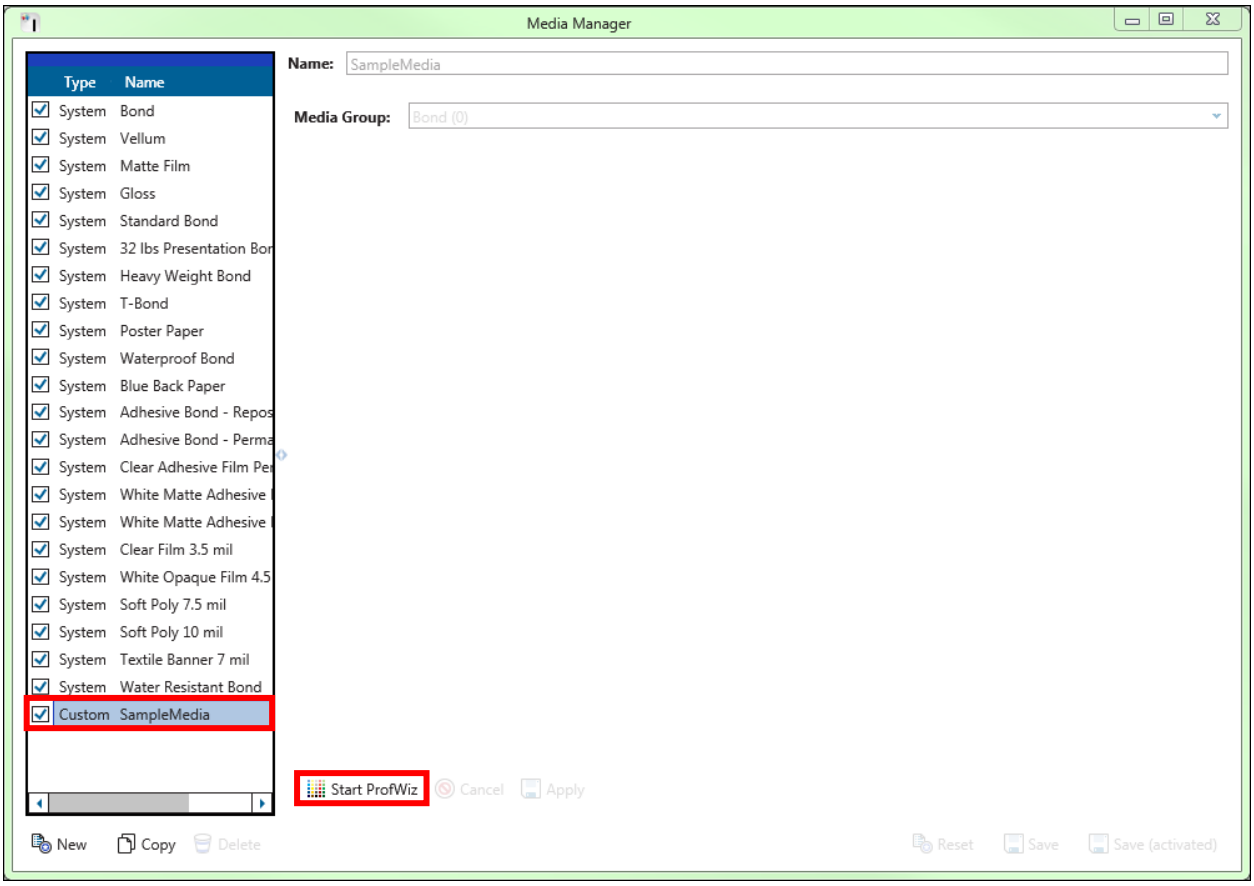
3. Press the button "*Start ProfWiz*".



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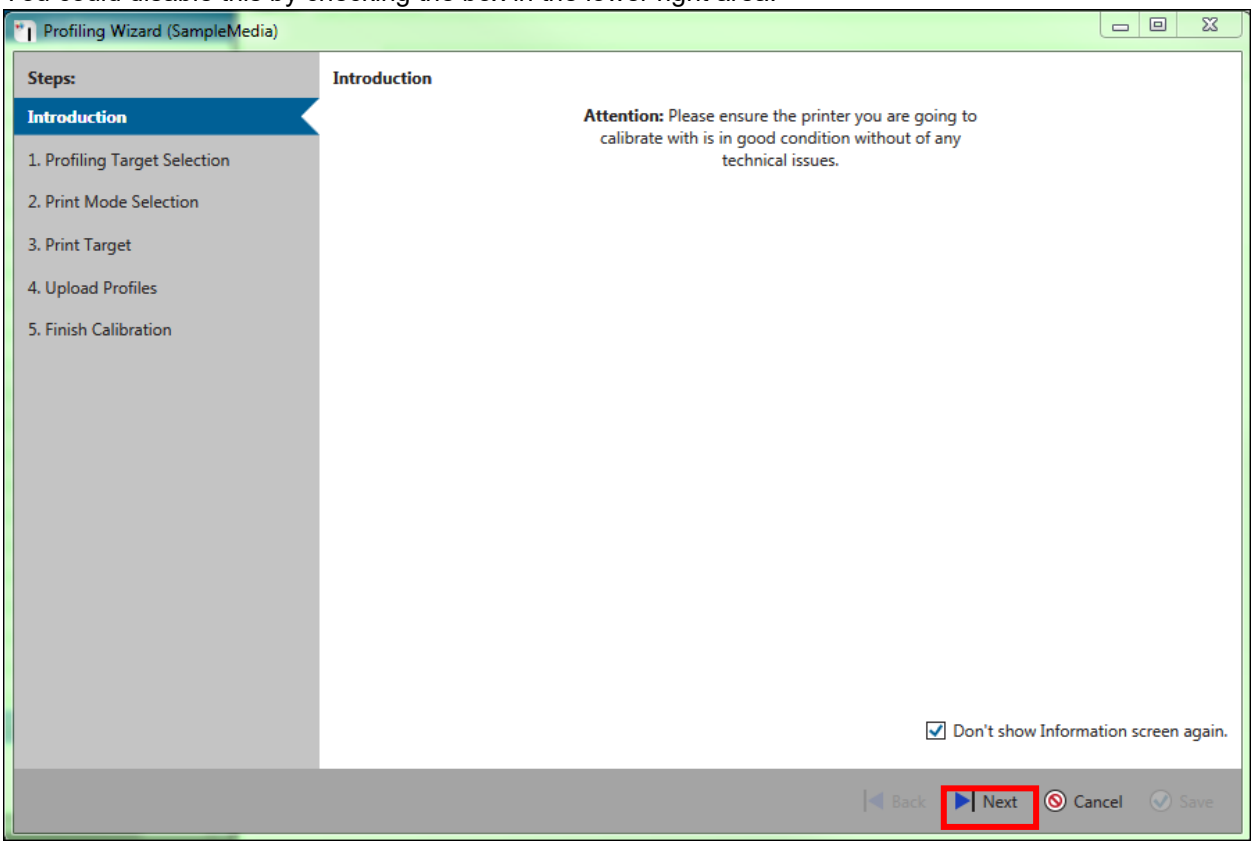
4. In the upcoming dialog, you get a reminder that the machine should be in a good condition. You could disable this by checking the box in the lower right area.



5. Press “Next”

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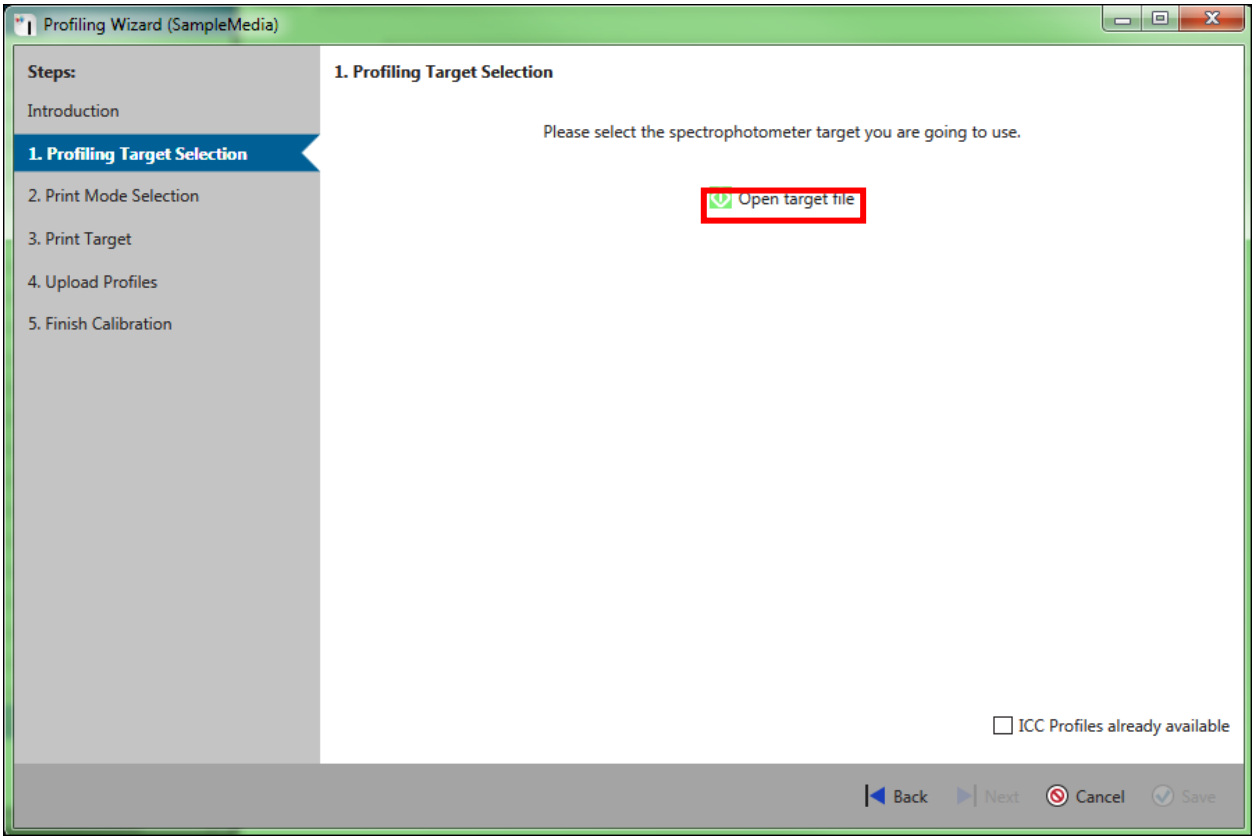
6. Now select the target file which you would like to print. By using the "*Open target file*" button. This would be the file created in the above steps of Appendix 2.



This target file can be taken from your profiling application. Typically, it is a TIFF file. If the target is split into multiple files, please select all.
Please note that the files typically are specific to your measurement device. If you are uncertain which file to use, please refer to your profiling application manual.

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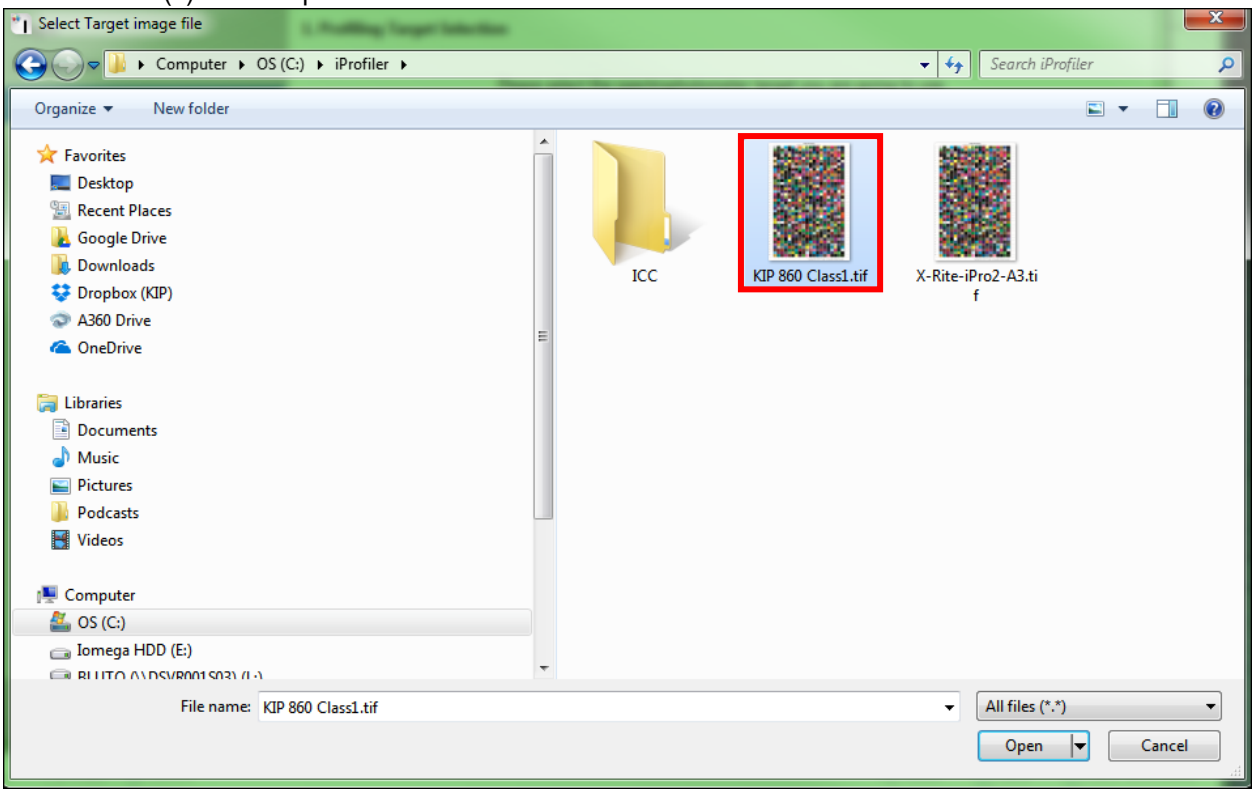
7. Select the file(s) in the explorer window.



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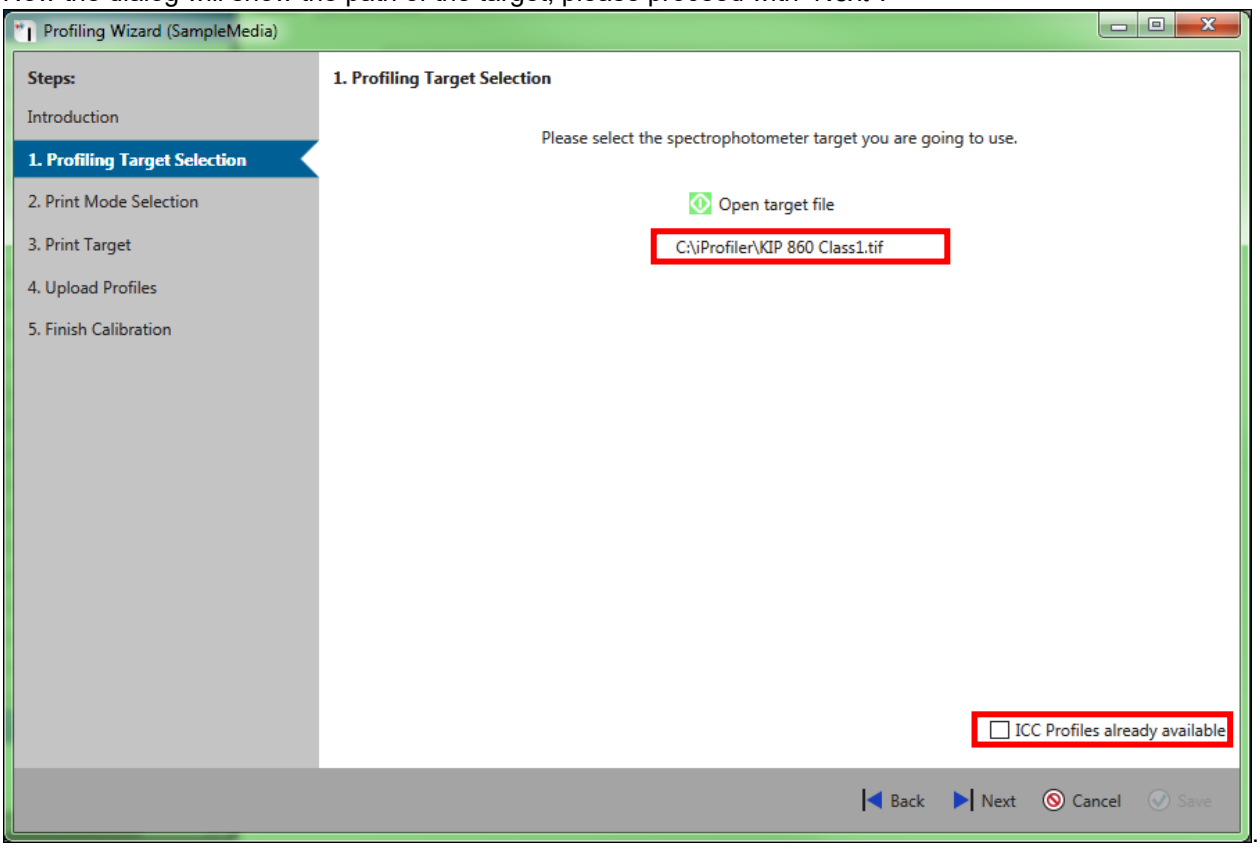
8. Now the dialog will show the path of the target, please proceed with "*Next*".



Please do not check the "ICC Profiles already available" checkbox. This mode should only be used if you already have ICC profiles calculated (e.g. from a previous profiling run or a different machine), which you now want to use for the current media, too. For details please refer to " Appendix 4 How to update the profile using an existing ICC profile.

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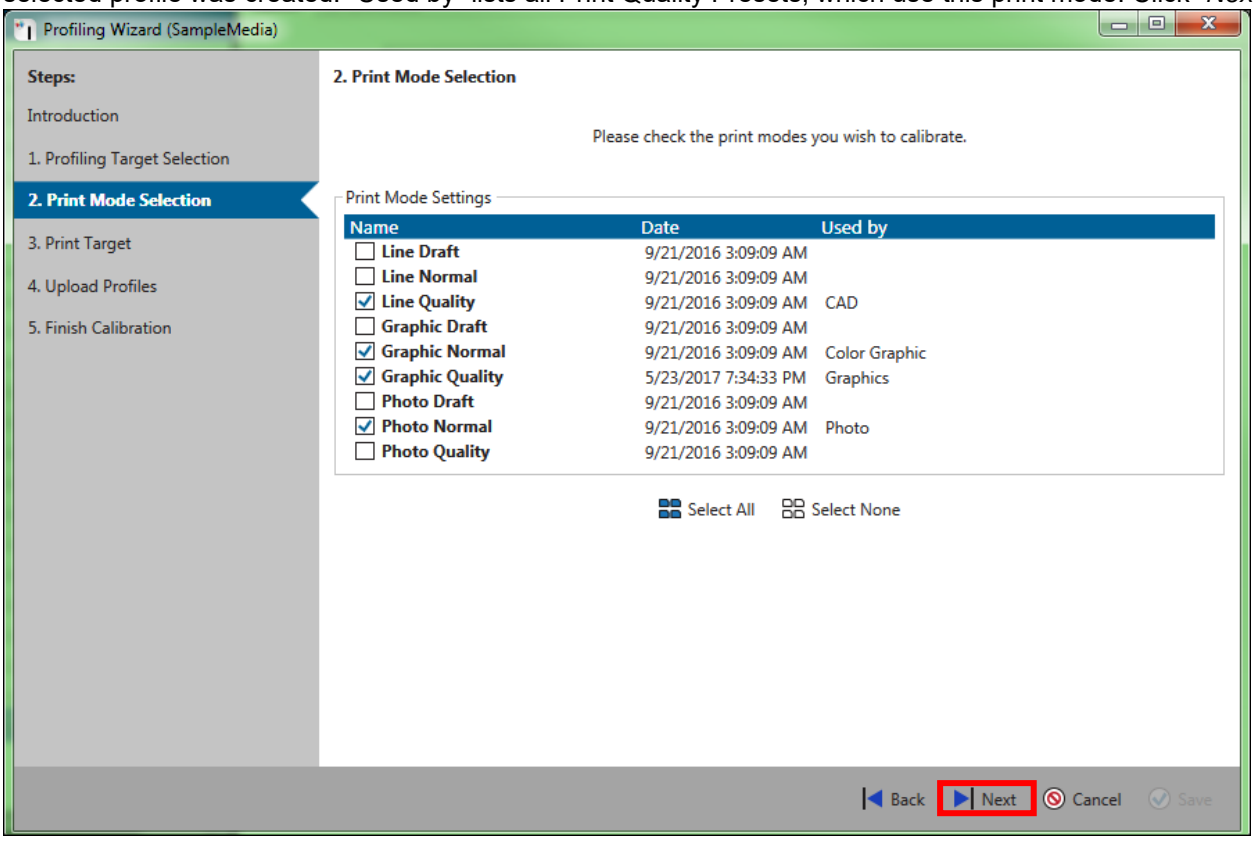
9. Select the desired Print modes you would like to change and proceed with next. The date shows when the selected profile was created. “Used by” lists all Print Quality Presets, which use this print mode. Click “*Next*”.



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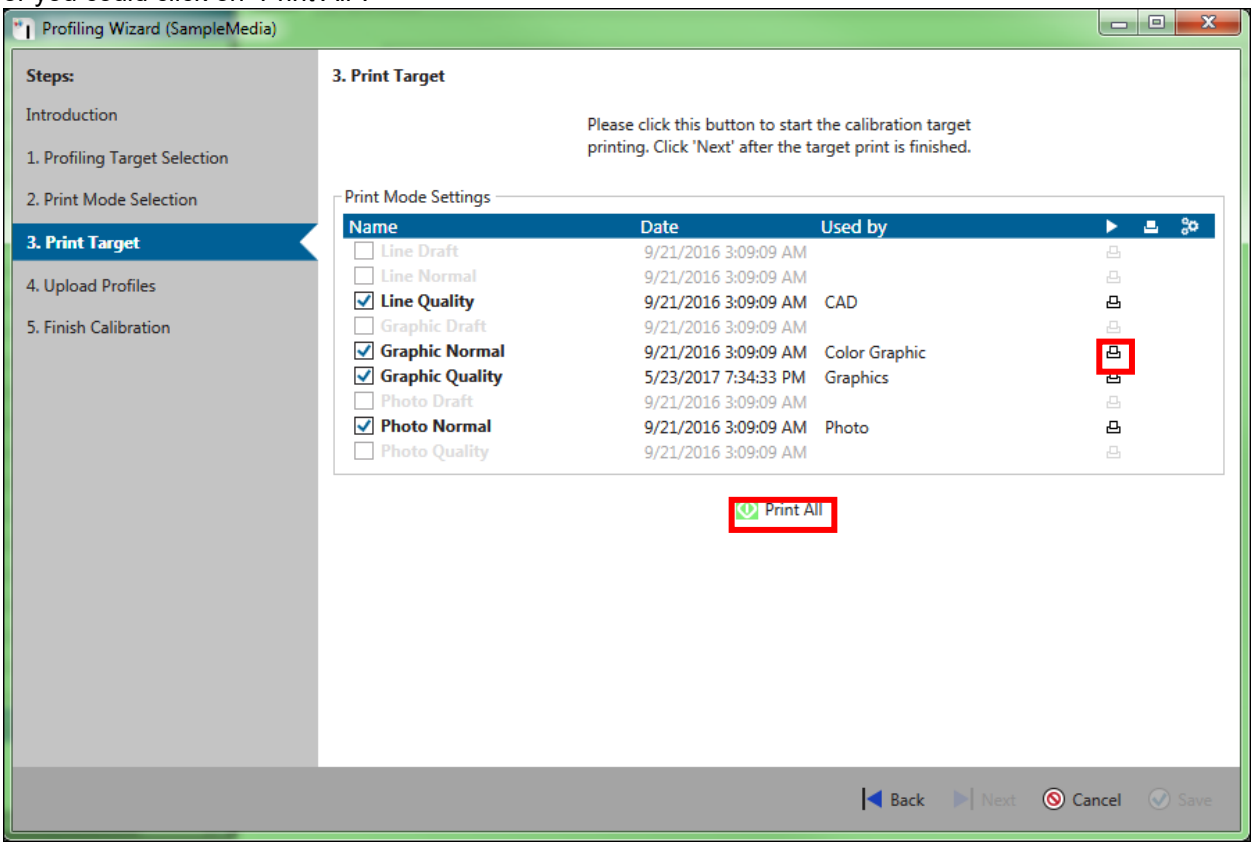
10. Now print the target you have selected. You could print them one by one using the printer icon behind each entry, or you could click on "*Print All*".



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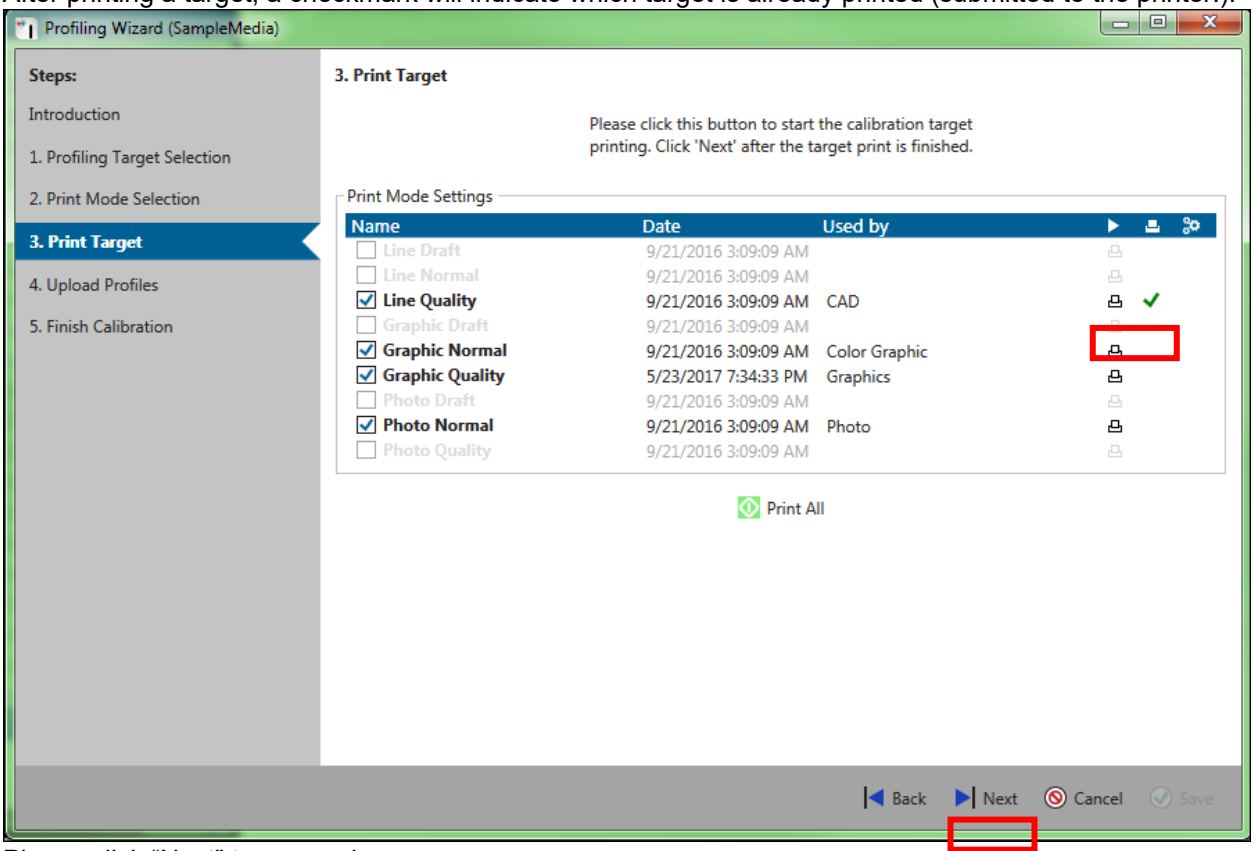
11. After printing a target, a checkmark will indicate which target is already printed (submitted to the printer.).



Please click “Next” to proceed.

12. Once all targets have been printed, please use your profiling application to create the ICC profiles. Please assure to give the profile proper names, which correspond to the print modes names (as selected in step 2).

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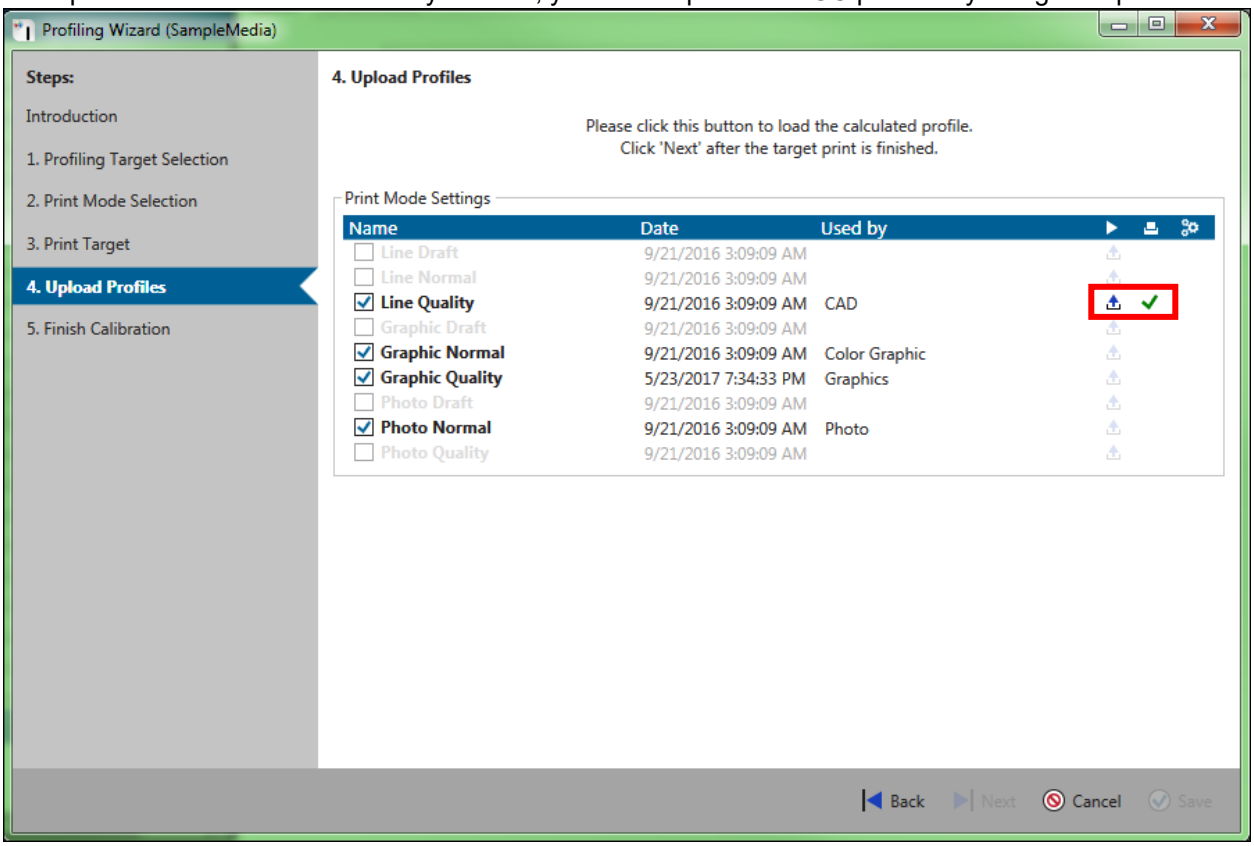
13. If the profiles have been successfully created, you could upload the ICC profiles by using the upload icon.



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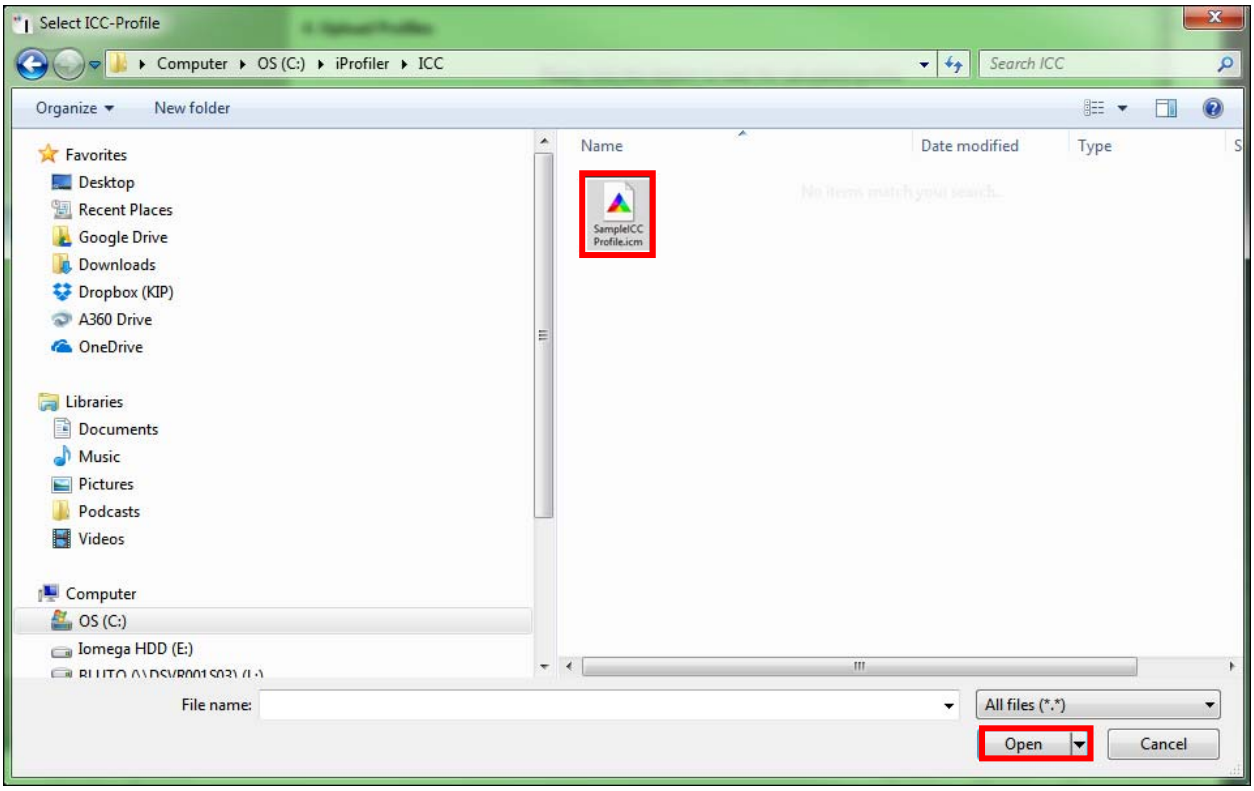
14. Please the select the desired ICC Profile.



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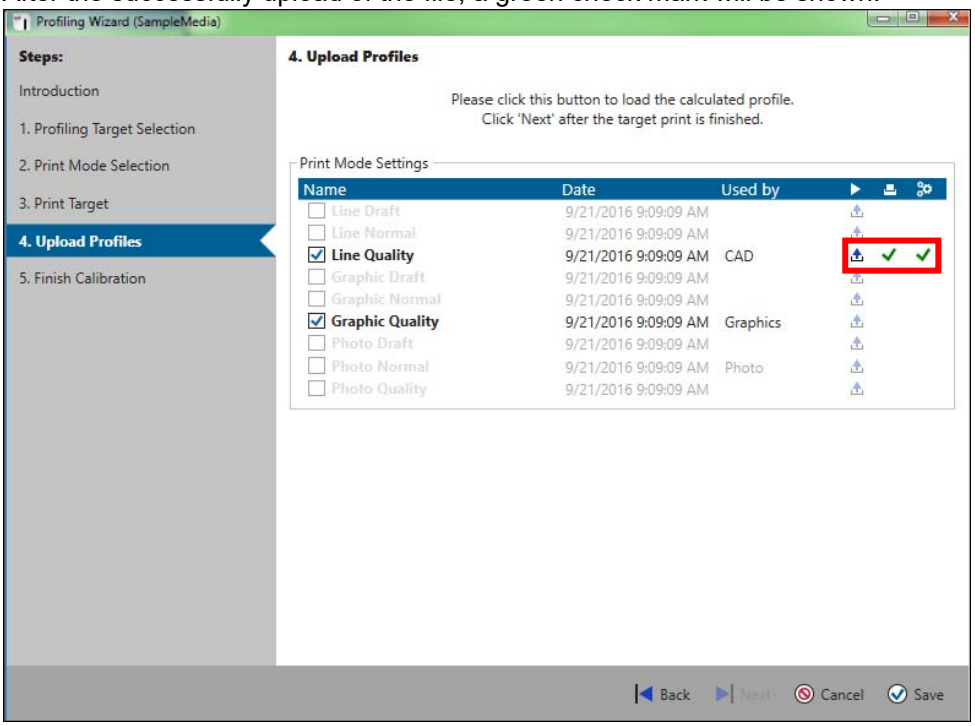
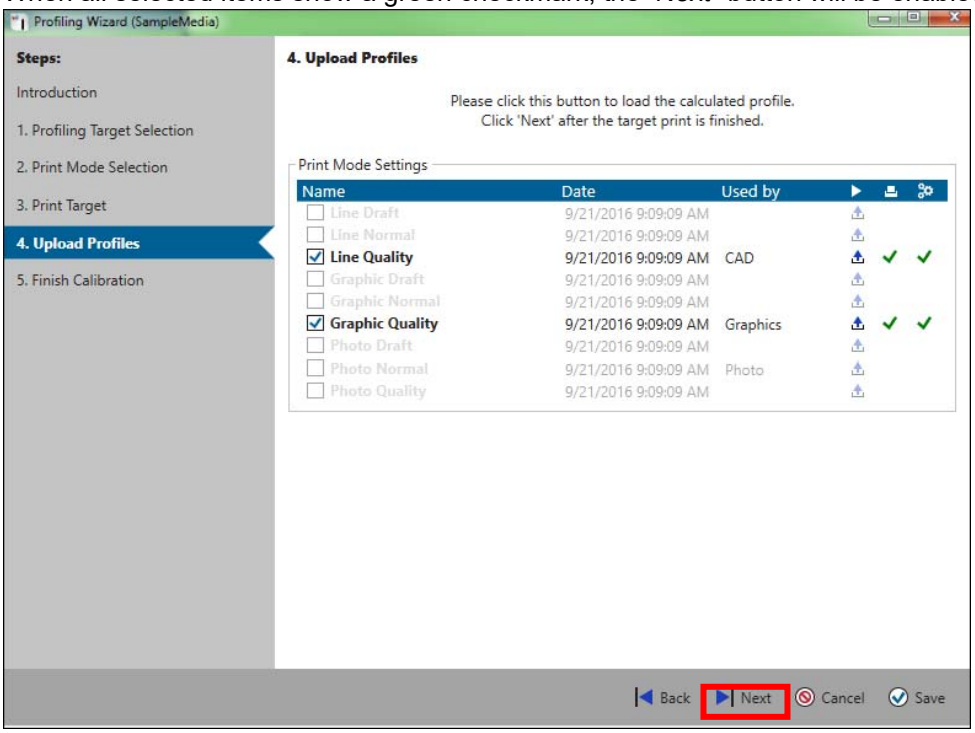
15. After the successfully upload of the file, a green check mark will be shown.



16. When all selected items show a green checkmark, the "*Next*" button will be enabled.



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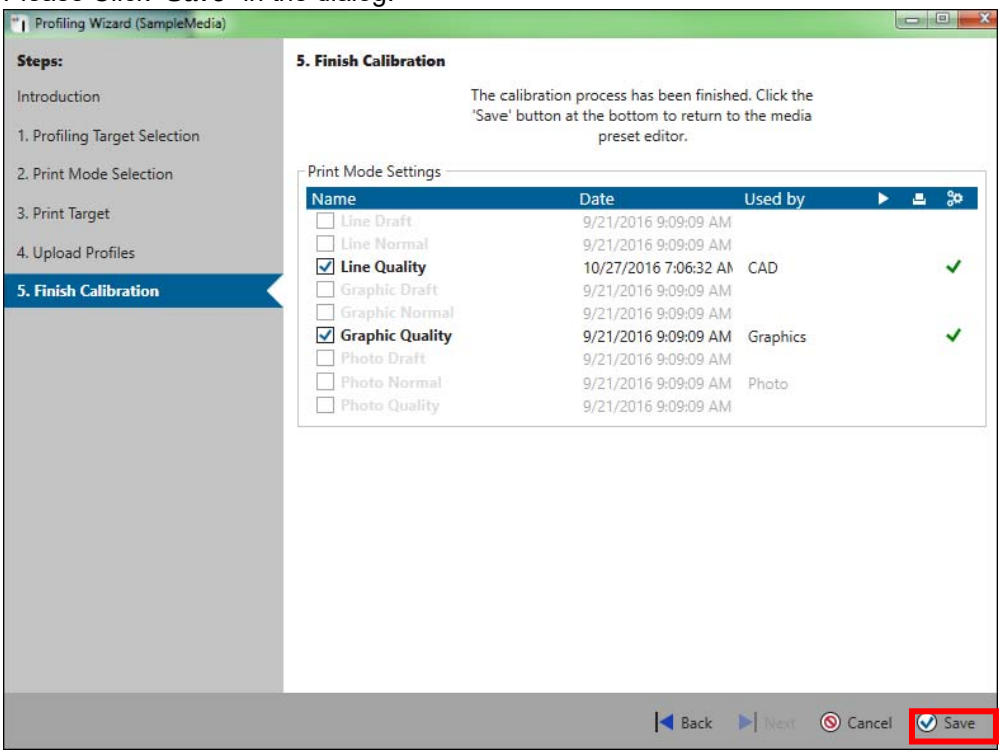
17. Please Click "*Save*" in the dialog.



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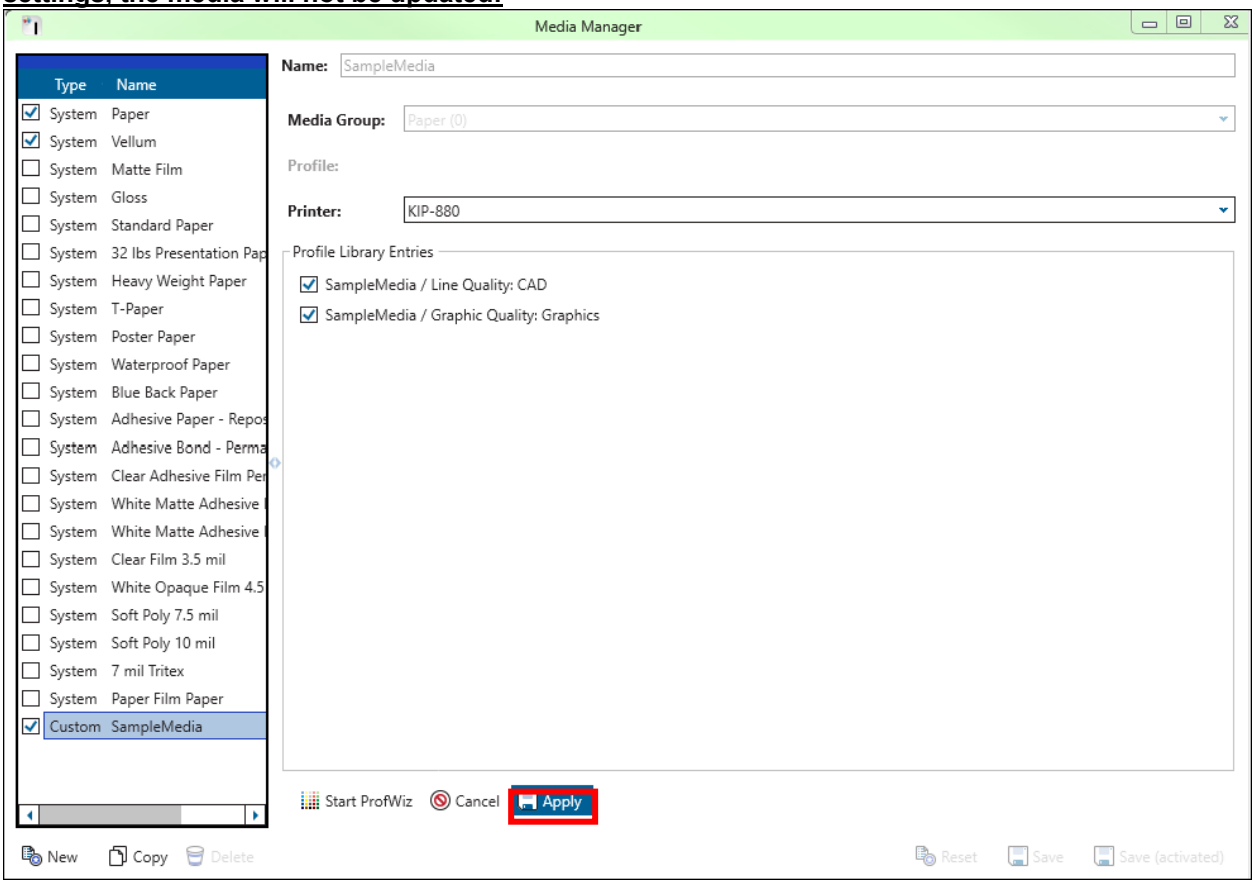
18. Once the wizard has been closed, the following screen will show the changed calibration.
Please note: It is mandatory to click "*Apply*" if you want to use the updated media. If not applying these settings, the media will not be updated!



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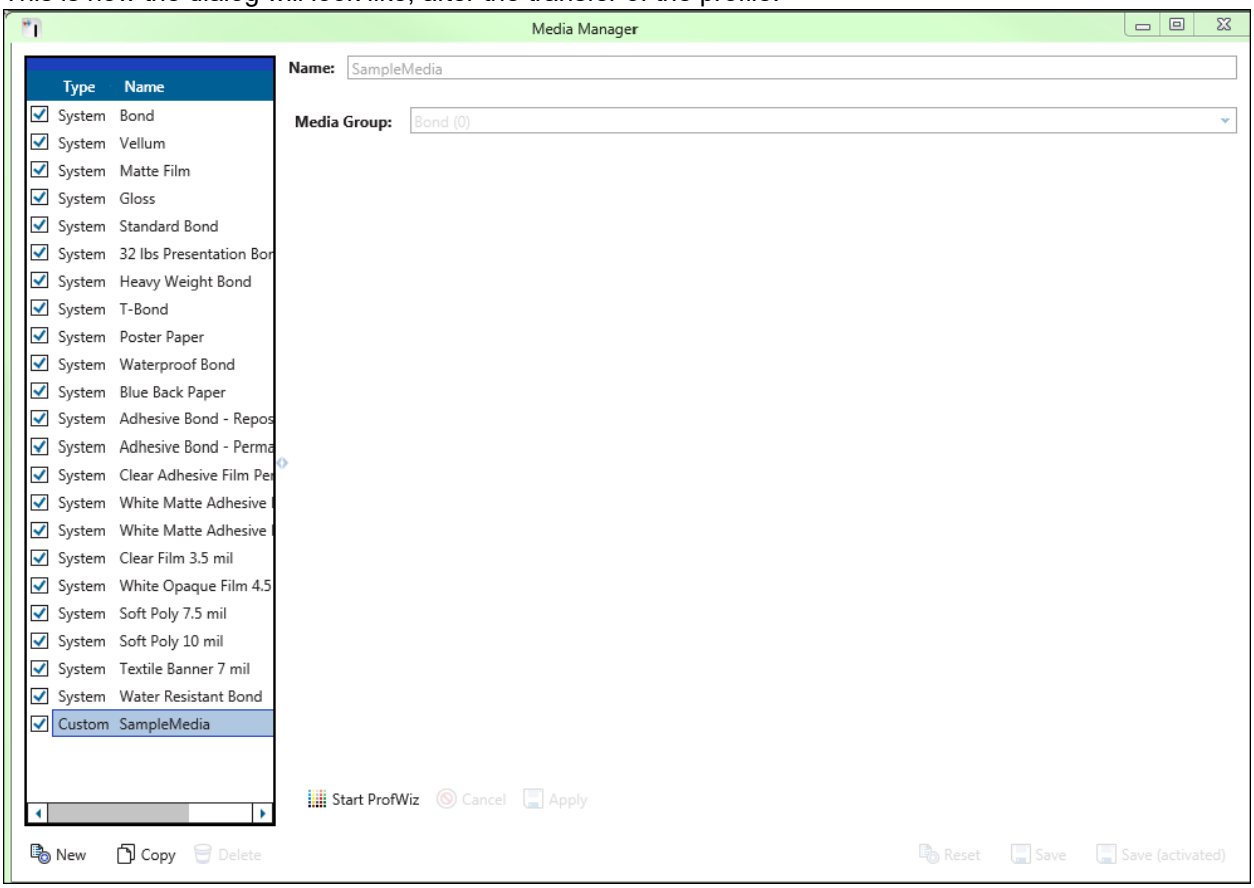
19. This is how the dialog will look like, after the transfer of the profile.



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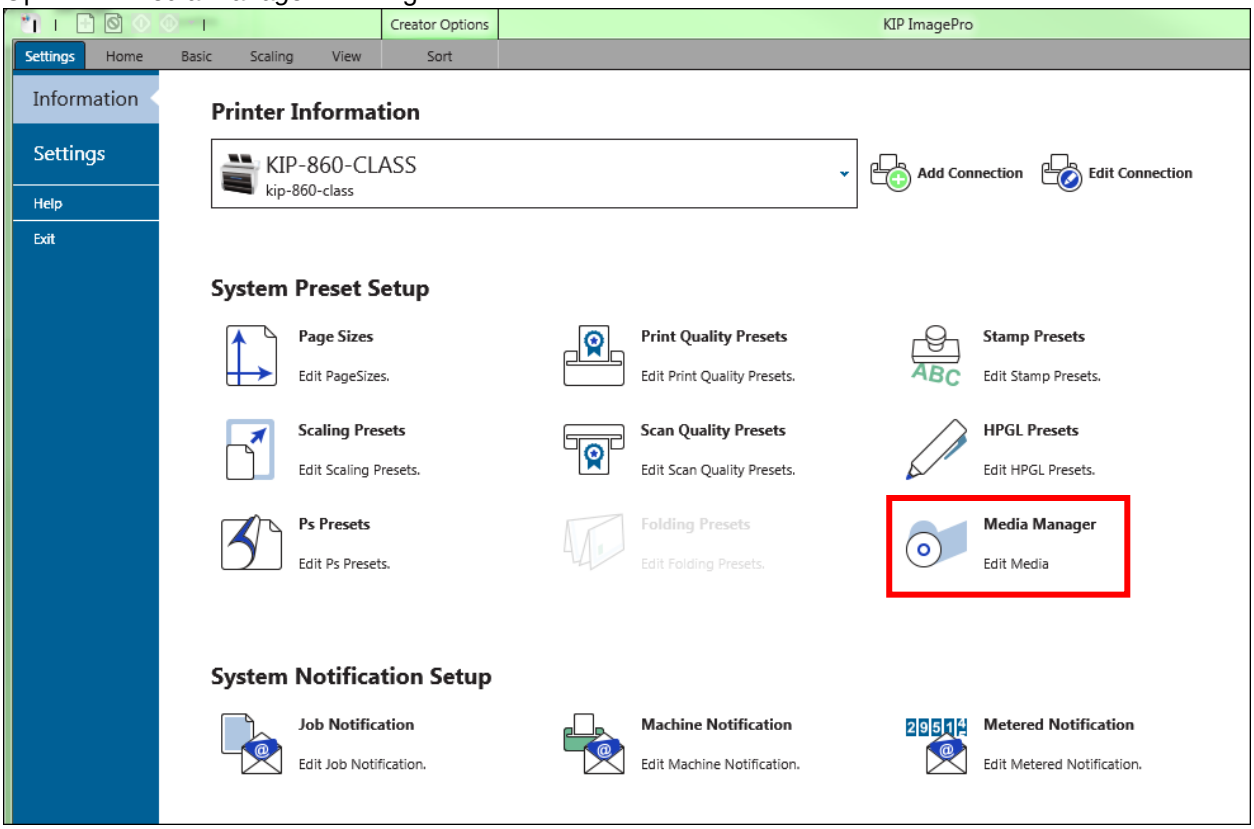
11 Appendix 4 How to update the profile using an existing ICC profile.

1. Open the "*Media Manager*" in ImagePro.



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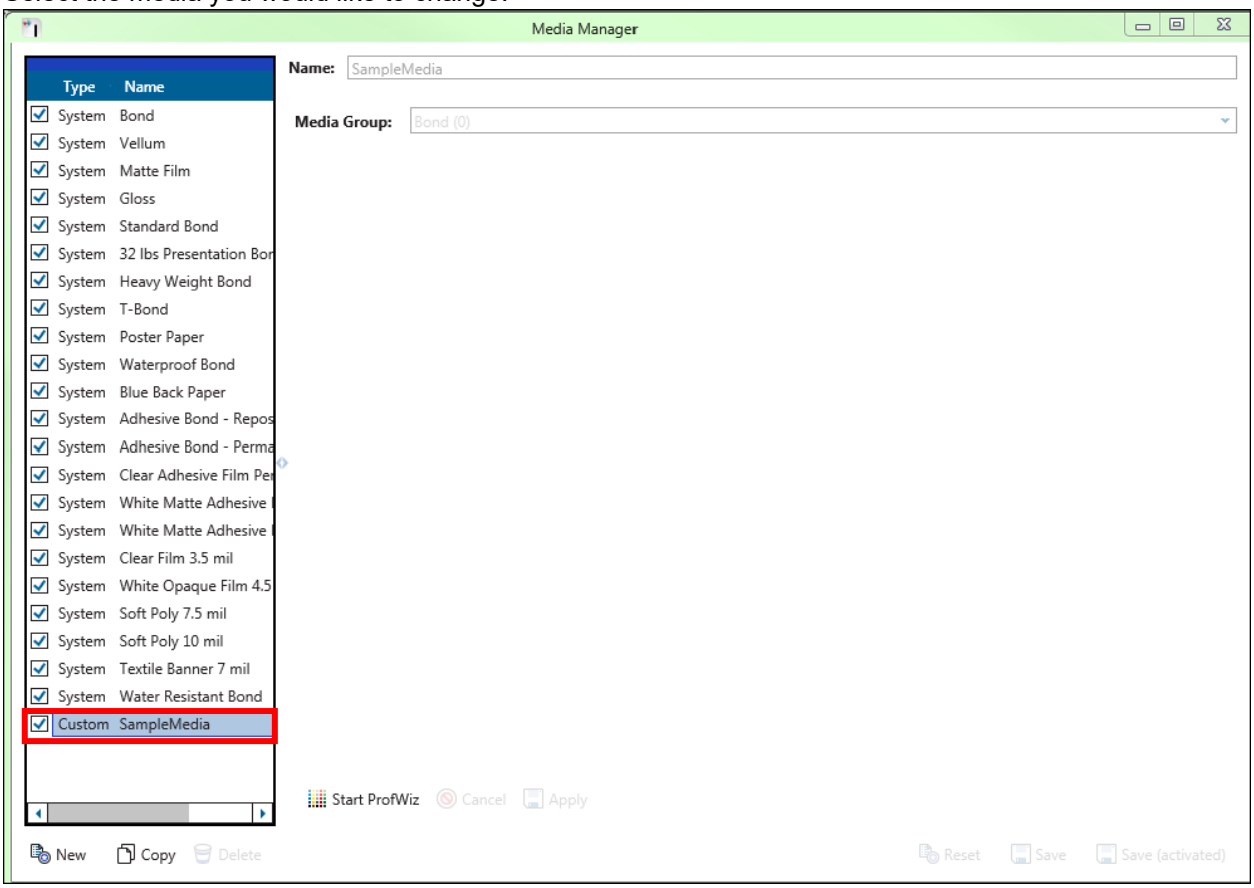
2. Select the media you would like to change.



Please be sure that the media is active, otherwise the "*Start ProfWiz*" button is disabled

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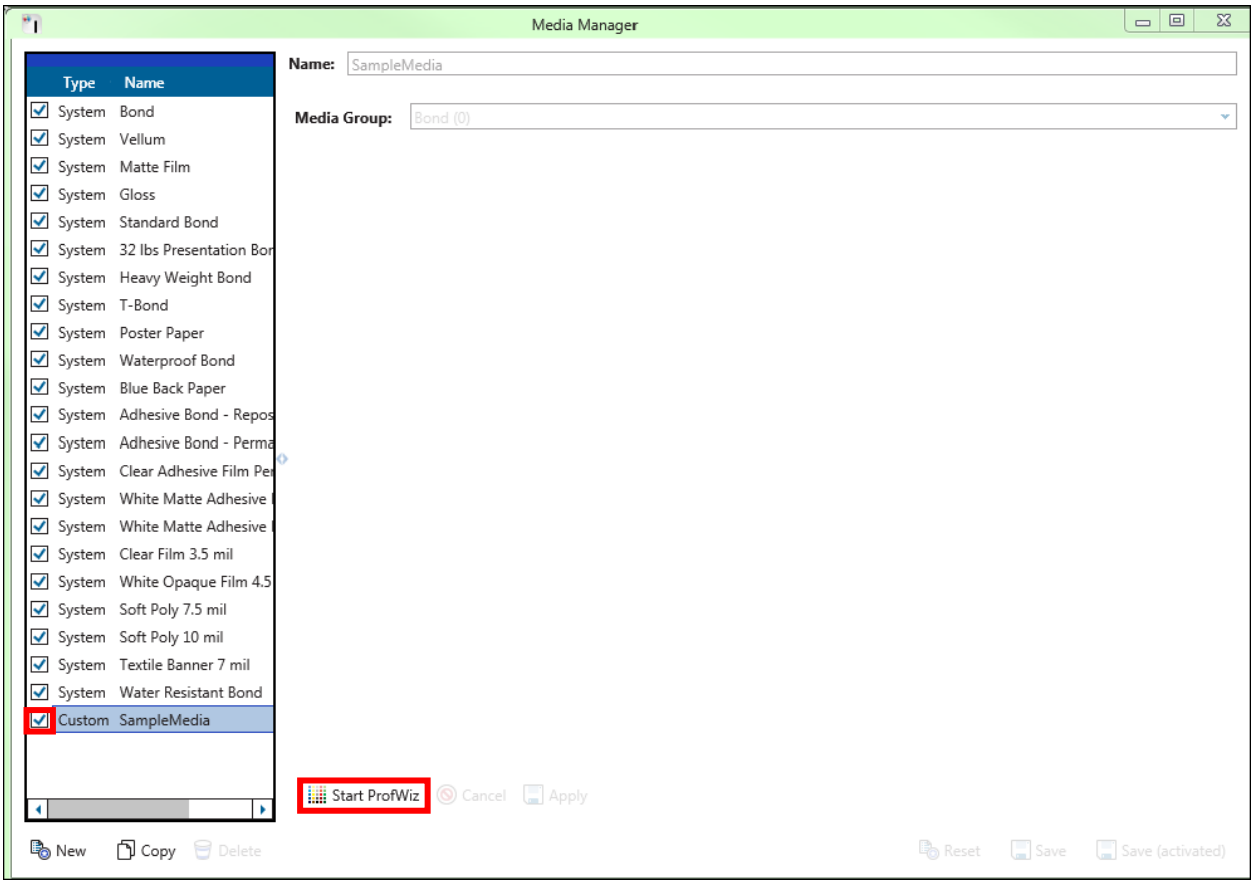
3. Press the button "*Start ProfWiz*".



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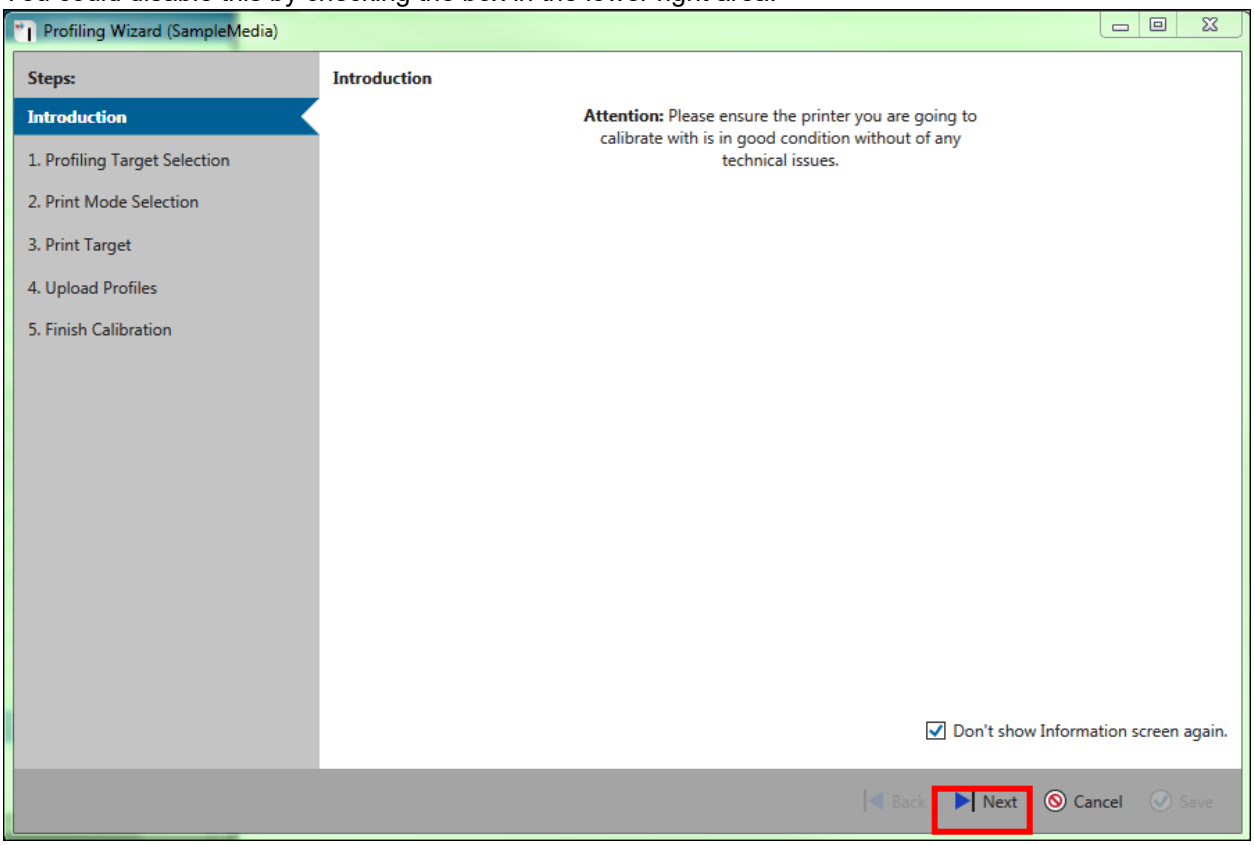
4. In the upcoming dialog, you get a reminder that the machine should be in a good condition. You could disable this by checking the box in the lower right area.



Press “Next”

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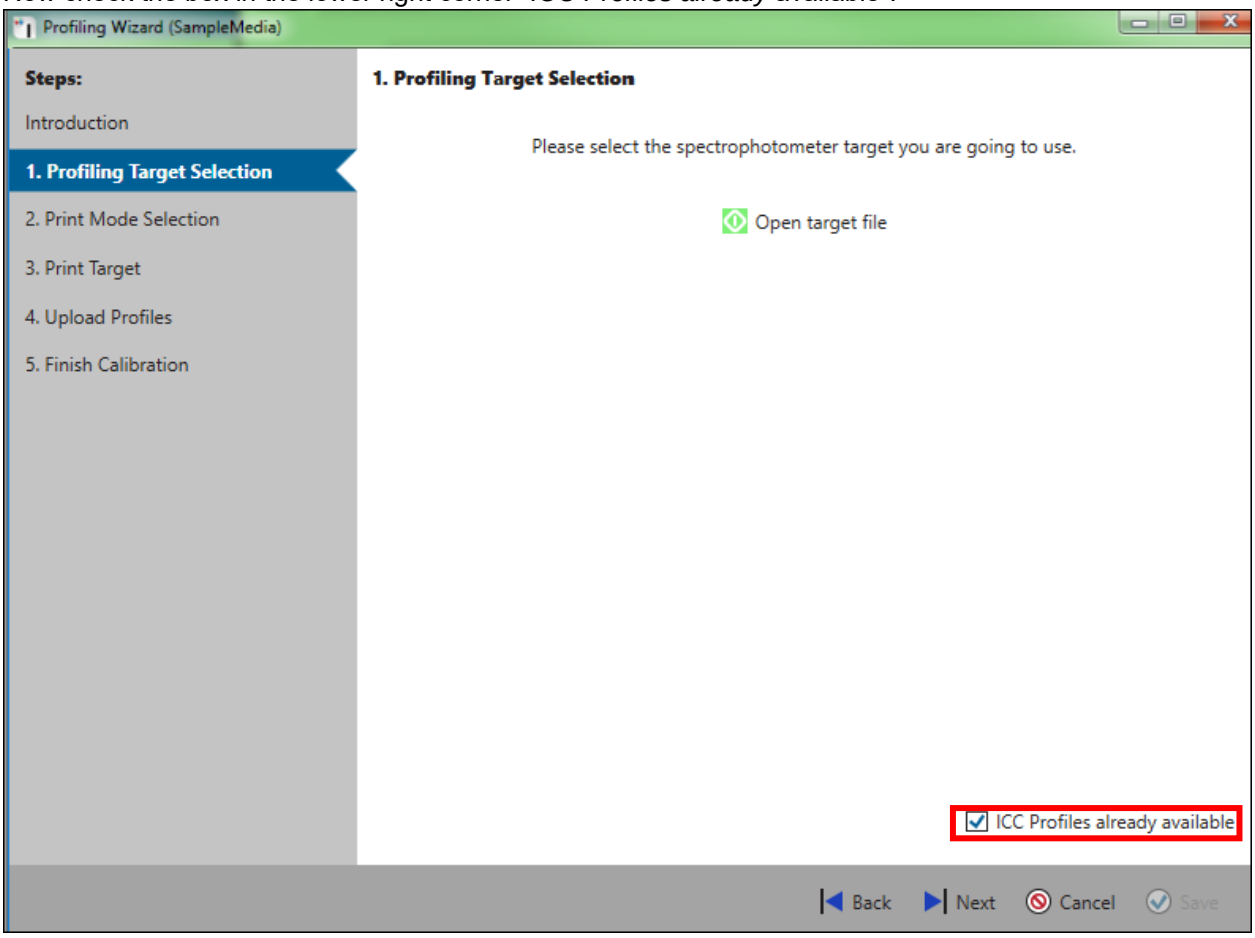
5. Now check the box in the lower right corner "*ICC Profiles already* available".



To proceed please click next.

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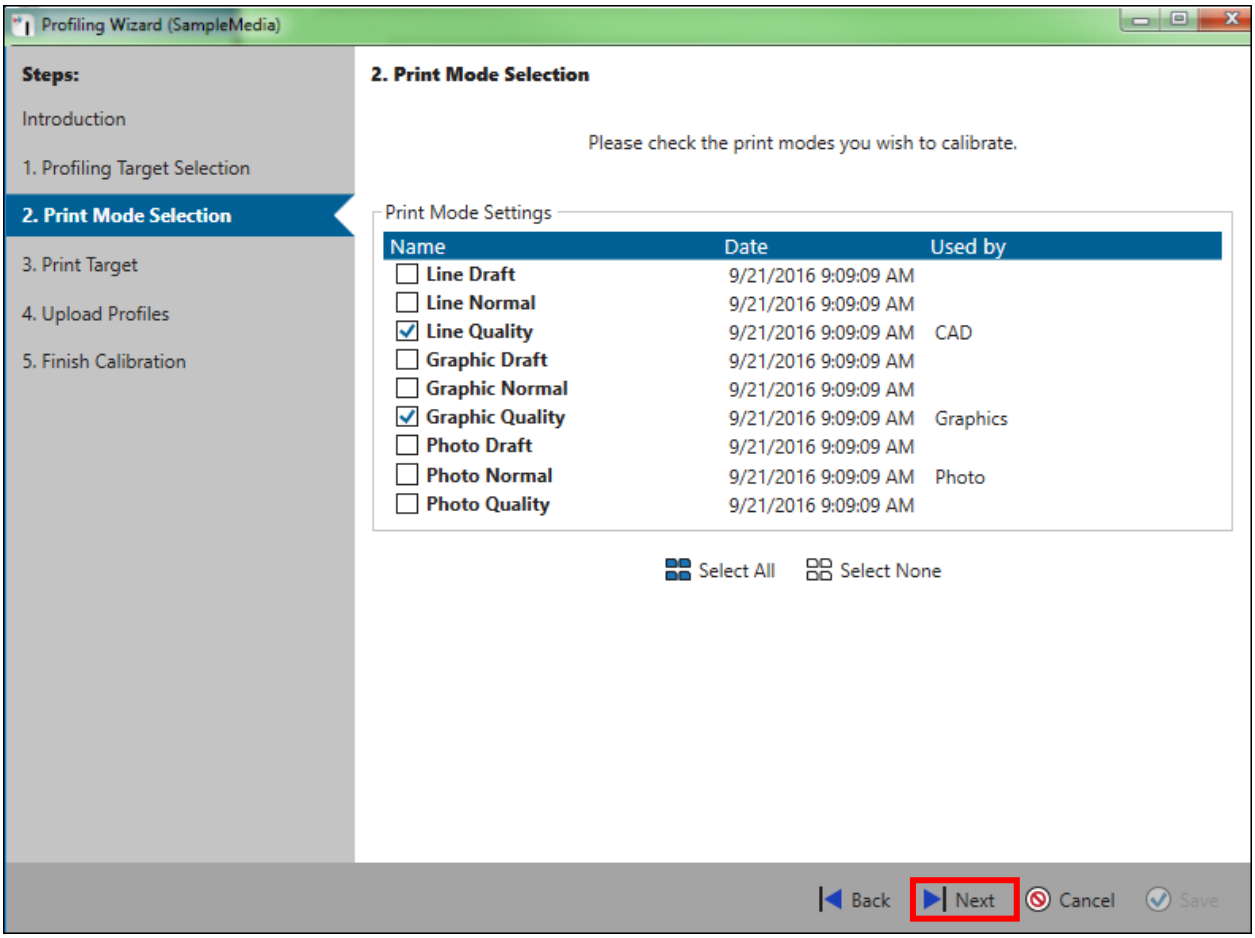
6. Select the desired Print modes you would like to change and proceed with next. The date shows when the according profile was created. “Used by” lists all Print Quality Presets which use this print mode. Click “*Next*”. Please make sure that you have existing ICC profiles for all models selected.



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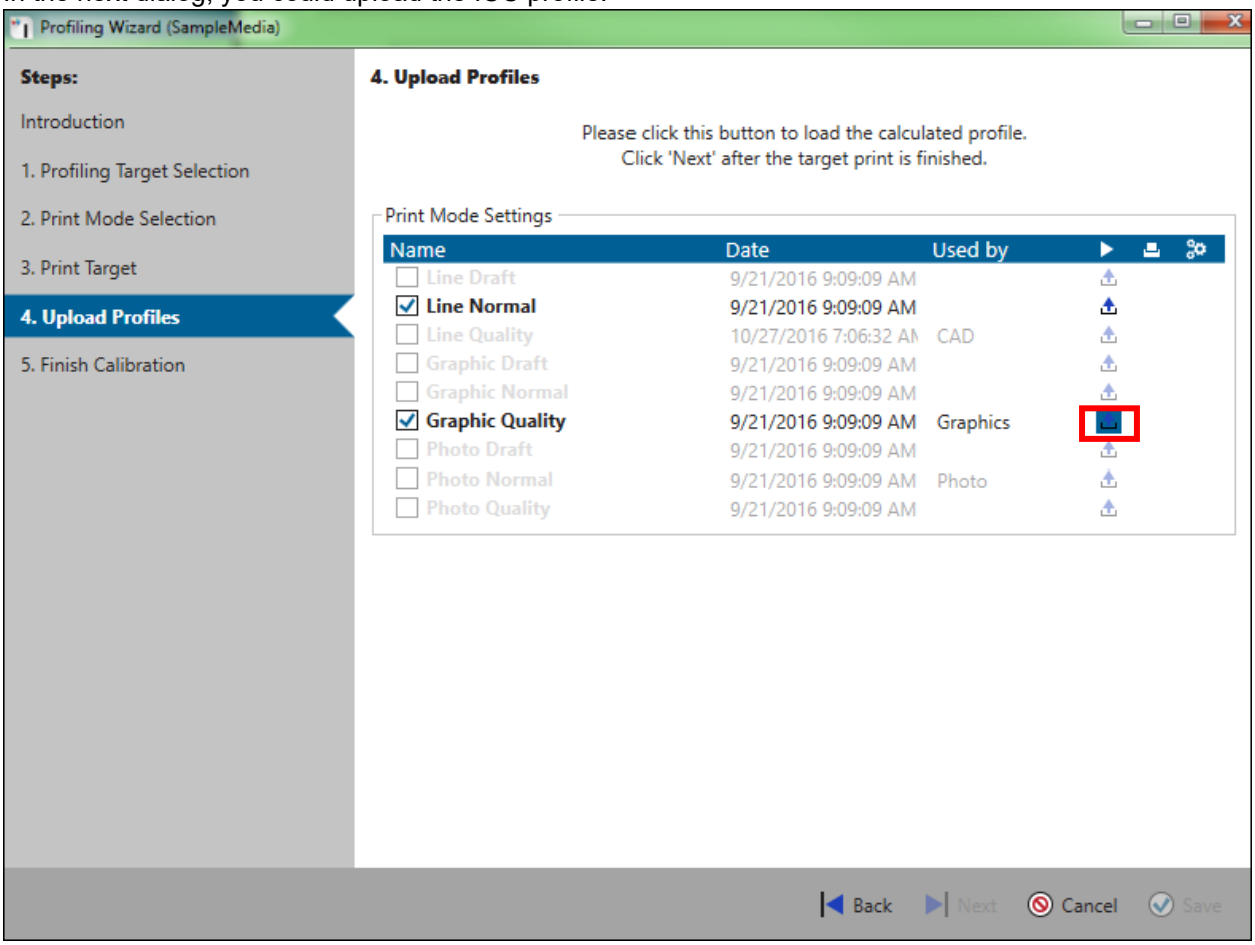
7. In the next dialog, you could upload the ICC profile.



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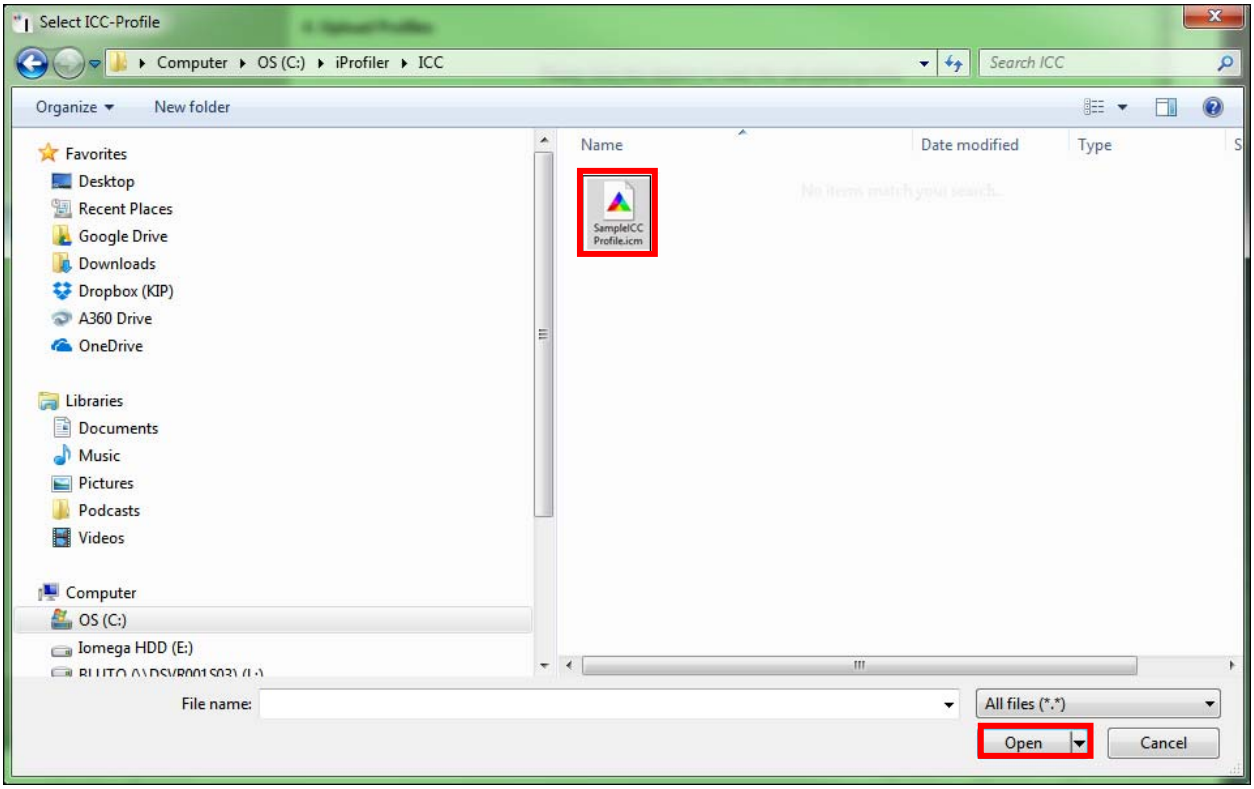
8. Please the select the desired ICC Profile.



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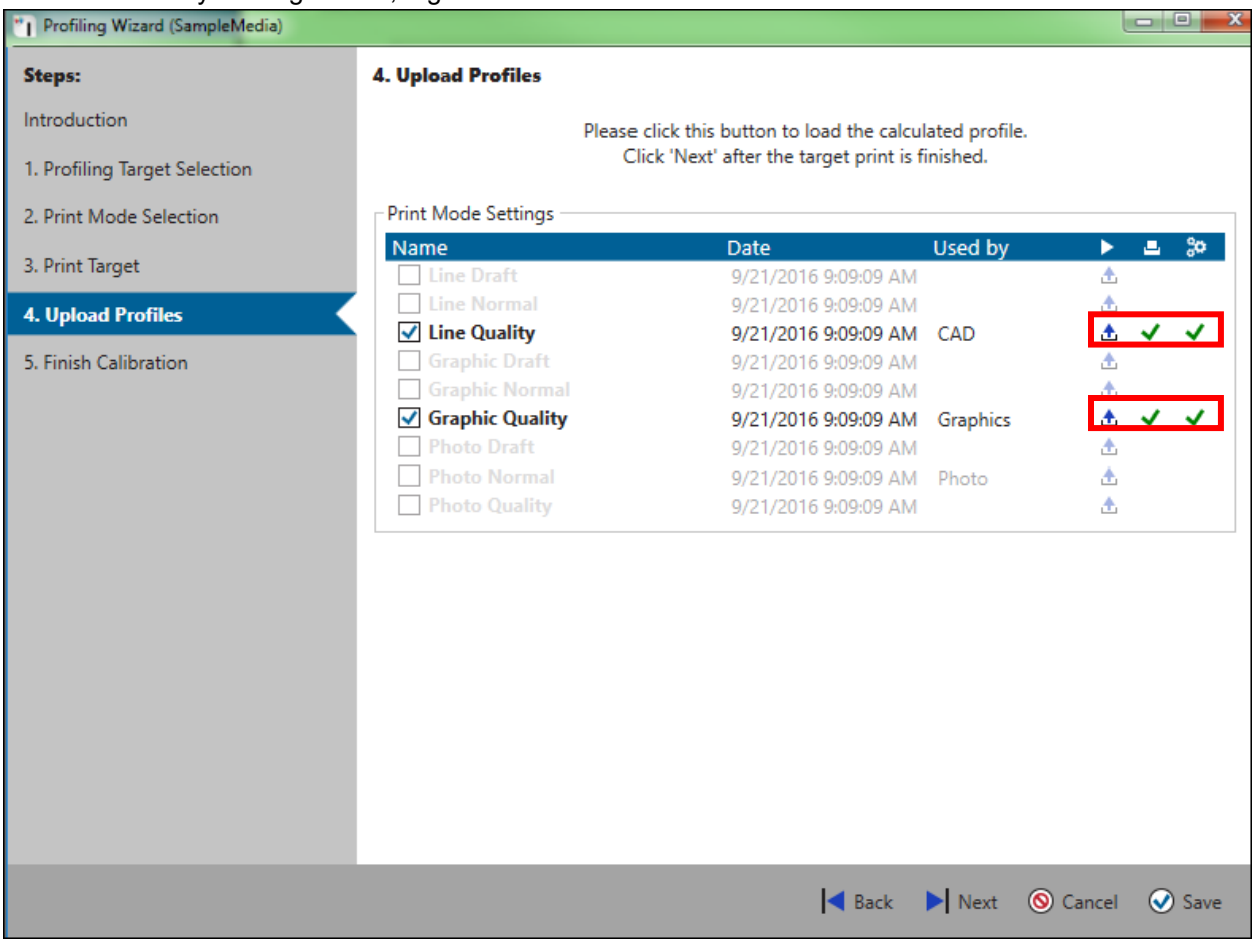
9. After successfully loading the file, a green check mark will be shown.



10. When all selected items show a green checkmark, the "*Next*" button will be enabled.

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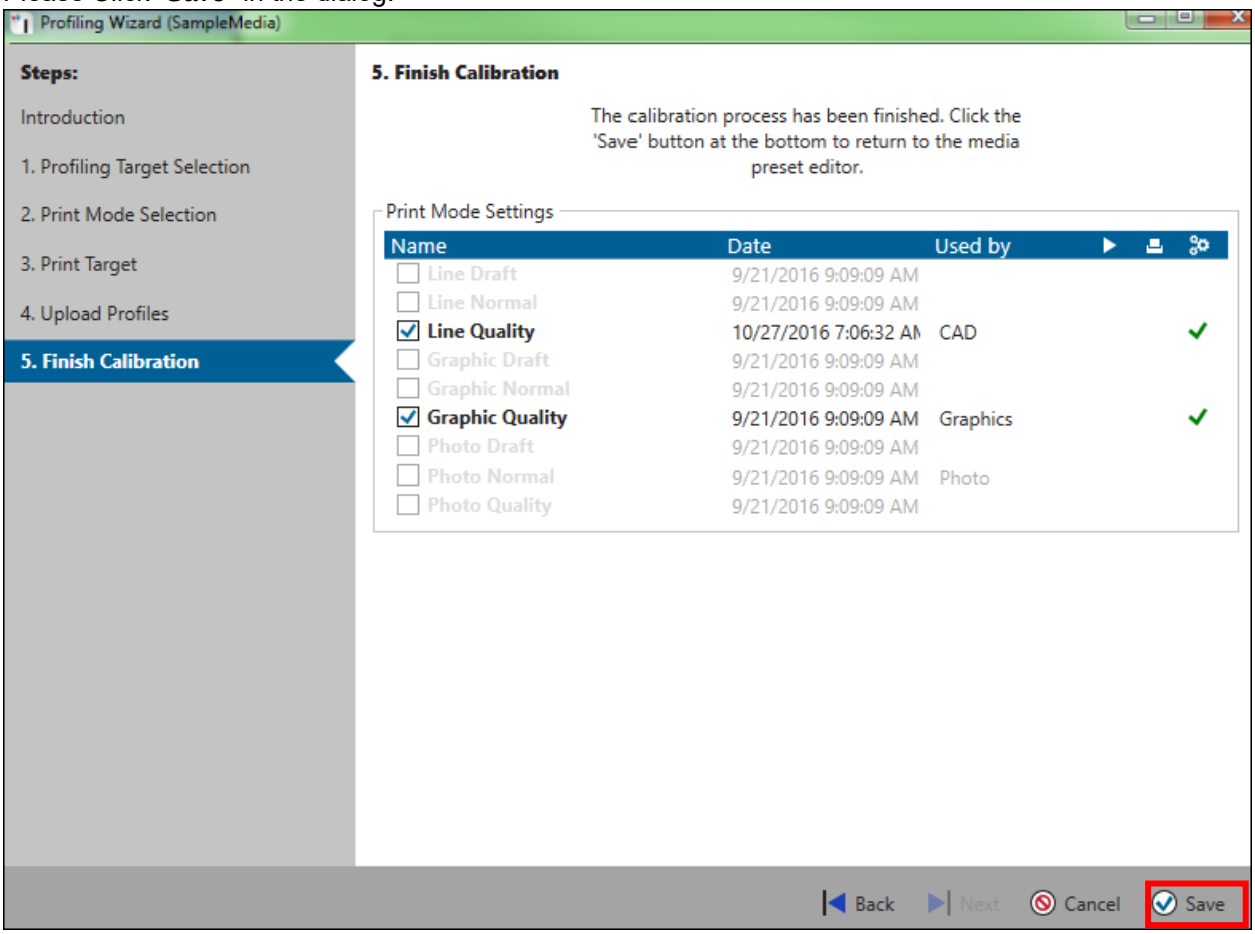
11. Please Click "*Save*" in the dialog.



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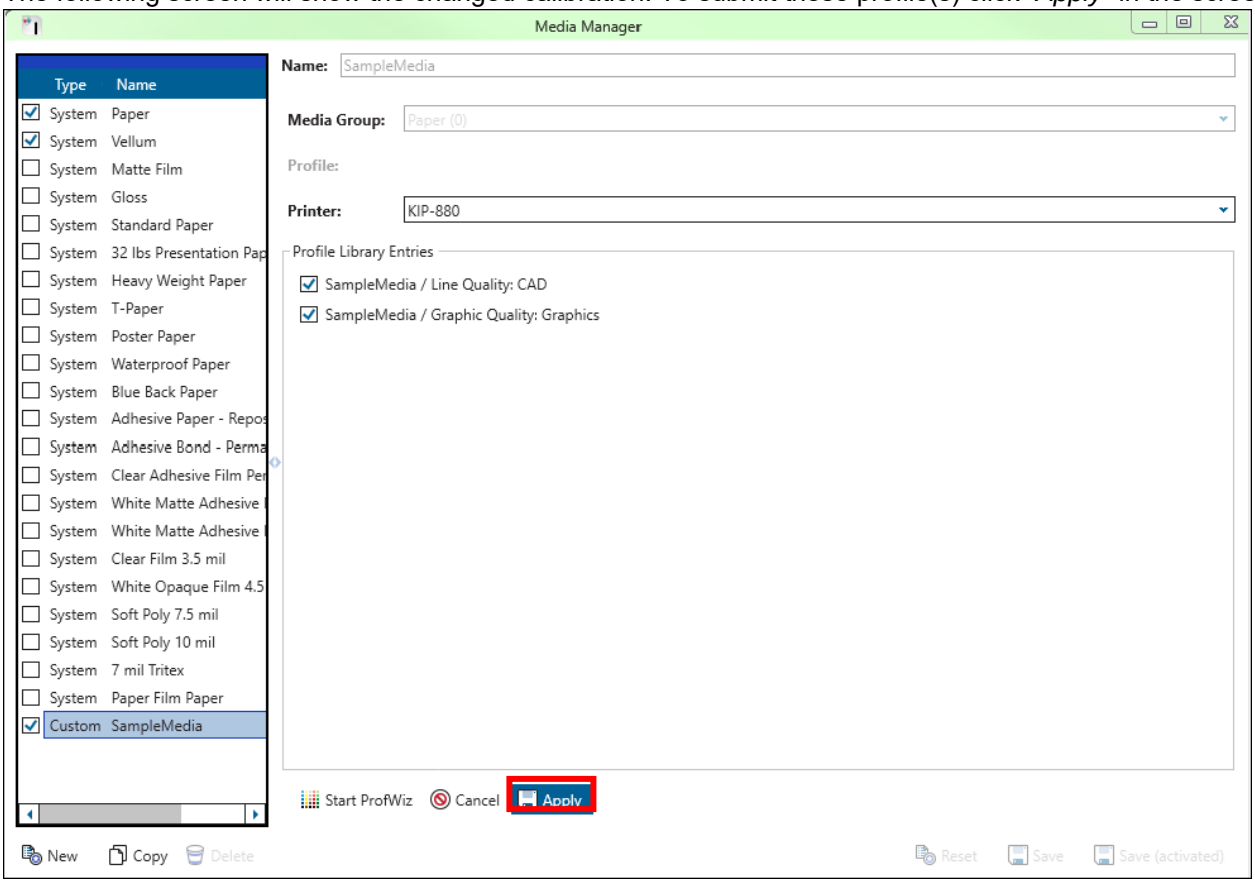
12. The following screen will show the changed calibration. To submit these profile(s) click "*Apply*" in the screen.



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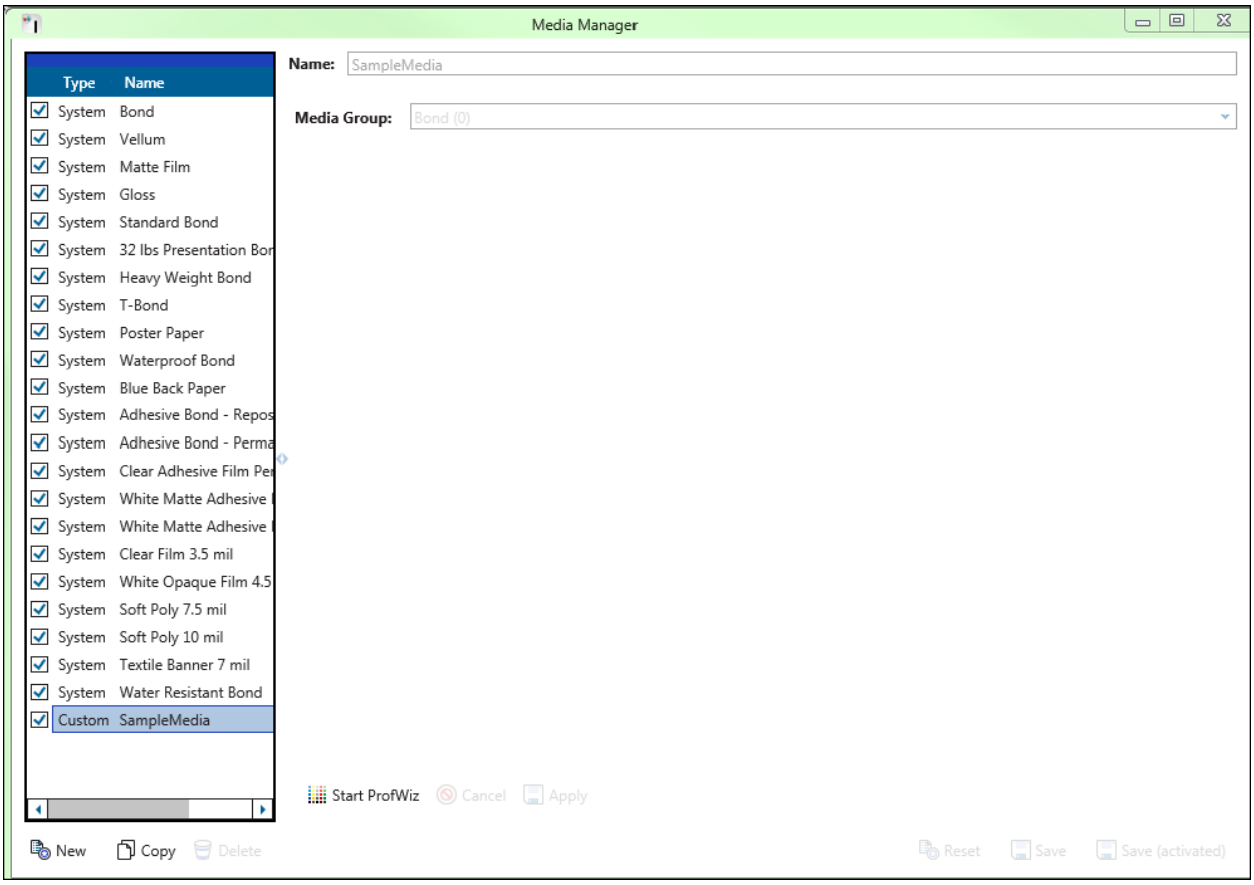
13. This is how the dialog will look like, after the transfer of the profile.



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12 Appendix 5 Rendering Intents Defined

- **Perceptual**
  Compresses the total gamut from one device's color space into the gamut of another device's color space when one or more colors in the original image is out of the gamut of the destination color space. This preserves the visual relationship between colors by shrinking the entire color space and shifting all colors – including those that were in gamut.

- **Saturation**
  Reproduces the original image color saturation (vividness) when converting into the target device's color space. In this approach, the relative saturation of colors is maintained from gamut to gamut. This render intent is primarily designed for business graphics, where the exact relationship between colors (such as in a photographic image) is not as important as are bright saturated colors.

- **Relative Colorimetric**
  When a color in the current color space is out of gamut in the target color space, it is mapped to the closest possible color within the gamut of the target color space, while colors that are in gamut are not affected. Only the colors that fall outside of the destination gamut are changed. This render intent can cause two colors, which appear different in the source color space, to be the same in the target color space. This is called "clipping." Relative colorimetric is the default method of color conversion built into Photoshop 4.0 and earlier.

- **Absolute Colorimetric**
  Colors match exactly with no adjustment made for white point or black point that would alter the image's brightness. Absolute colorimetric is valuable for rendering "signature colors", those colors that are highly identified with a commercial product such as the yellow used by the Eastman Kodak Company, or the red used by the Coca-Cola Company.

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