User Guide

English

Creo InkPro

version **2.0**

399Z50832C

www.creo.com

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5.155.782 5.157.516 5.200.816 5.208.888 5.221.997 5.227.895 5.247.174

5.247.352 5.296.935 5.299.020 5.313.278 5.323.248 5.325.217 5.238.032

5.331.439 5.333.064 5.339.176 5.343.059 5.355.446 5.359.458 5.367.388

5.384.648 5.384.899 5.412.491 5.412.737 5.420.702 5.473.733 5.481.379

5.488.906 5.497.252 5.508.828 5.509.561 5.519.792 5.519.852 5.526.107

5.526.143 5.532.728 5.561.691 5.568.595 5.576.754 5.579.115 5.592.309

5.594.556 5.600.448 5.608.822 6.615.282 5.623.001 5.636.330 5.649.220

5.650.076 5.652.804 5.691.823 5.691.828 5.696.393 5.699.174 5.708.736

5.739.819 5.742.743 5.764.381 5.771.794 5.785.309 5.813.346 5.861.904

5.875.288 5.894.342 5.900.981 5.934.196 5.940.099 5.942.137 5.946.426

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ABOUT THIS GUIDE

Creo InkPRO User Guide is intended for Creo customers at all levels.

What this Guide Contains

The guide includes the following chapters:

- Chapter 1, ***Introduction,*** provides a basic overview to the Creo InkPRO application.
- Chapter 2***, Preparing Brisque Files,*** describes preparation of Brisque layouts for processing with InkPRO.
- Chapter 3, ***Using Creo InkPRO on the Macintosh***, contains a detailed description of the InkPRO workflow.
- Chapter 4, ***Installation and Configuration***, explains how to install and configure the InkPRO application.
- Appendix A, ***Press-Specific Parameters***, describes the specific parameters for press machines supported by InkPRO.
- Appendix B, ***Configuration of the IP Address on the HP Improof Device,*** explains how to configure the IP address on the HP Improof Device.
- Appendix C, ***Preparing PS/2 Files***, describes preparation of PS/2 files for processing with InkPRO.

Document Conventions

Convention	Purpose	Example
<**Keyboard Key**>	Keyboard keys and typed commands appear between angle brackets.	Press <**Enter**> Type <**cdesci**>
Software Buttons, **Menus** and **Options**	Named functions, which you activate directly via the software, are printed in bold.	Click **OK**.
User Interface Elements	Window and field names, and other user interface elements are printed in italics.	From the *Color Order* window….
• Followed by text	This bullet precedes a list item.	• KBA • Komori • Mitsubishi
➢ Followed by text	This bullet indicates an action you perform.	➢ To revert to the table values, click **Reset**.
Important notes, warnings, and tips.	Important notes, warnings, and useful tips are placed within parallel lines.	**Note:** Do not change the value of this field.
References	References to another book are printed in italics.	*See the PS/2 User Guide.*
Linked References	Linked references to another location in the book are printed in blue italics.	*Refer to Chapter 3.*
Emphasized *text*	Words or terms that are important in the context they are written are either bolded or italicized.	**InkPRO** also generates CIP3 files that contain page location….

Viewing this Guide

This document was designed to be distributed electronically and printed on a laser printer as needed. The fonts and the layout of this document have been chosen to enhance printing, rather than optimal on-screen viewing. To read this document on-screen, however, simply increase the magnification using the magnification box at the bottom of the window. For best results when viewing dialog boxes on-screen, increase the magnification to 200%.

1 INTRODUCTION

CIP3 (Cooperation for the Integration of Prepress, Press and Post Press) is an international committee dedicated to shortening press make-ready time by using imaging data already available at the end of the prepress stage of production, for press and post-press (e.g. printing, cutting, and folding) calculations. Creo currently supports the DIM (Digital Ink Management) and cutting machine interface areas of the CIP3 standard for information delivery.

Creo InkPRO generates CIP3 files in the PPF format that let you automate the press machine ink-keys setup process. Use ***InkPRO*** also to generate these files in the internal format supported by Man Roland, KBA, Komori, Mitsubishi, Akiyama, Ryobi and INKFlow press machines.

InkPRO also generates CIP3 files that contain page location data for cutting machines, such as Polar cutting machines.

Either before or after exposing layouts to film or to plate, use the *InkPRO* operation on the Brisque, or the SuperCombine operation on the PS/2, to generate very low resolution CT files from the existing imaging data. These CT files are further processed on the Macintosh, using the ***InkPRO*** application, which carries out all of the necessary transformations for digital ink management. The resulting ink management file is transferred, via network or diskette, to the press machine, where it is used to preset the ink keys. If the press machine does not support digital files, you can print out a table that displays the ink key values, and then manually enter the data at the press machine.

InkPRO lets you transfer the ink management file to a connected remote Improof device directly from the Macintosh. You can print the calculated ink values in each zone, directly on the imposition proof. This makes the task of ink key calibration more efficient and accurate.

InkPRO version 2.0 supports the Hot Folder mechanism on the Macintosh.

2 PREPARING BRISQUE FILES

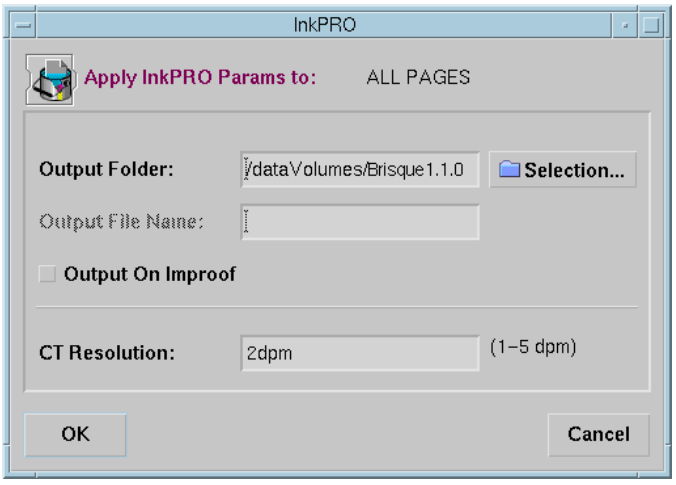
To prepare Brisque layouts for processing with ***InkPRO***, you must have the license that enables the *InkPRO* operation on the Brisque.

Once *InkPRO* is enabled, you can send layouts to the *Brisque InkPRO* operation, either before or after exposing them. The result of the *InkPRO* operation is one NewCT file per color separation, ready for further processing with ***InkPRO*** on the Macintosh, plus one ***.ink*** file that links all associated color data files together.

Note: A layout may be a Brisque Job, Brisque Page, LW file or CT file.

To prepare Brisque files for *InkPRO*:

1. From the Brisque Launch Pad, open the *Output* panel and locate the **InkPRO** icon.
2. Drag a Brisque Layout onto the **InkPRO** icon; the *Job Ticket Editor* window is displayed.
3. In the *Job Ticket Editor*, double click the **InkPRO** icon; the *InkPRO* window is displayed.



4. The *Output Folder* field specifies the destination of the low resolution files that will be generated by InkPRO.

If you want to change the destination folder, click the **Selection** button next to the *Output Folder* field, then use the browser that is displayed to define a new destination for files.

5. In the *Output File* Name field, type a name for the resulting ***.ink*** file. The ***.ink*** extension is automatically added.

   If you do not type a name in this field, *InkPRO* automatically names the resulting file according to the name of the input file.

6. If you want the ink key data to appear on the imposition proof, select the **Output On Improof** check box; *InkPRO* generates two additional files with ***.ct*** and ***.rot*** extensions (see the *Defining the Improof Parameters* section for more information).

7. In the *CT Resolution* field, type the resolution required by your press machine. The resolutions currently supported are: 1 dpm, 2 dpm and 4 dpm. The default resolution value, 2 dpm (50.8 dpi), is generally acceptable for most press manufacturers.

8. Click **OK** to confirm the defined parameters and exit the *InkPRO* window; the *Job Ticket Editor* window is displayed again.

9. Click **Submit**; a single NewCT file is created for each color separation in the Layout, plus one ***.ink*** file that links all of the color files together. If you selected the *Output On Improof* check box (see *step 6* above), one ***.ct*** file and one ***.rot*** file are generated, as well.



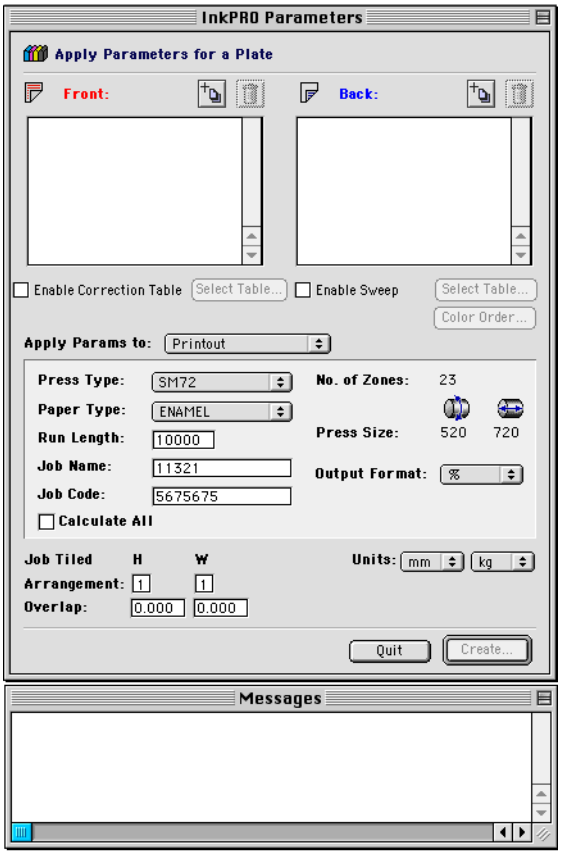
File Manager displaying NewCT files for each color separation and a single *.ink* file

Tip: See the *Defining Templates* chapter in the *Brisque User Guide* for instructions on using the **InkPRO** operation in an automated production workflow.

3 USING CREO INKPRO ON THE MACINTOSH

You use the ***InkPRO*** application on the Macintosh to further process the low resolution CT files that you prepared on the Brisque or on the PS/2.

InkPRO carries out all of the required transformations for digital ink management, generating a file in a format that can be used by the indicated press. If your press machine does not support digital files, you can generate a printout that displays the necessary ink key data in a table for the press operator to manually set the ink keys.

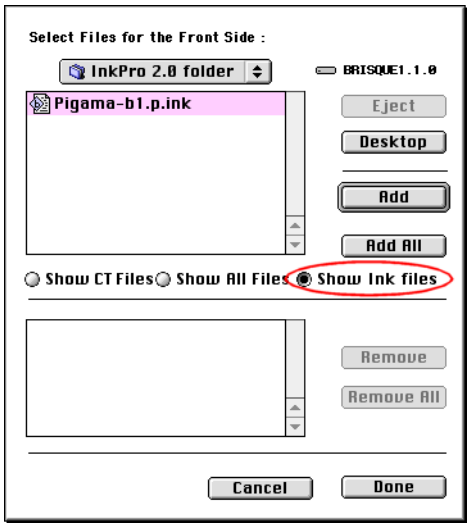


InkPRO application and Messages window (on the Macintosh)

Generating the Ink Management File

To generate the ink management file:

1. Prepare the necessary CT files on the Brisque or on the PS/2. See *chapter 2* and *Appendix C* for detailed instructions for preparation on the Brisque or PS/2, respectively).
2. At the Macintosh, double click the **Cre InkPRO** application icon; the *InkPRO Parameters* dialog box, and the *Messages* window appear. (See figure on *page 3-1* and a description of the Messages window on *page 3-46*).
3. Click the **Front**  button; a browser appears.



4. To see only ***.ink*** files in the file list of the browser, click **Show Ink Files**.

5. Use the browser to select the file(s) that correspond to the front of the plate.

   - Select one ***.ink*** file per plate side and click **Add**. (During processing, the ***.ink*** file automatically points to the NewCT files that contain the color data).

     If you are using tiling, for each plate side, select all of the ***.ink*** files that when tiled, comprise a flat.

   - Currently *InkPRO* supports generating ink management files for flats made up of two horizontal tiles (H=1, W=2) or three vertical files (H=3, W=1). See *page 3-41* for details.

   - In the PS/2 workflow with regular FLYTs, select one CT HandShake file per plate side.

   - In the PS/2 workflow with spot colors, select the CT HandShake file that contains the CMYK information for the layout, as well as additional files that each describe a special color.

   Warning: In the *Select Files* browser, do not use the **Add All** button if you selected the *Show All Files* check box! You may add hidden files to the list. This can prevent *InkPRO* from successfully generating the file.

   Tip: With the mouse, you can drag files from the Macintosh desktop directly to the *Front* and *Back* lists.

6. When the lower list in the *Select Files for the Front Side* browser is complete, click **Done**; you are returned to the *InkPRO Parameters* dialog box, where the selected file(s) appear in the *Front* list. (Notice that as soon as you add a file name to the *Front* or *Back* list, the **Create** button becomes active).

7. If your configuration includes two sided plates, click the **Back**  button, and use the browser to select the file(s) that correspond to the back side of the plate.

   Tip: With the mouse, you can drag files from the Macintosh desktop directly to the *Front* and *Back* lists.

8. When you finish selecting files for the back of the plate, click **Done**; you are returned to the *InkPRO Parameters* dialog box.

9. From the *InkPRO Parameters* dialog box, click the **Apply Params to** menu button, and from the list that appears, select the output format corresponding to the press machine; the parameters relevant to the selected output format are displayed. See the *Defining the Printout Parameters section*, *Defining the Improof Parameters section* and *Appendix A* for details of the various output formats available.

   If you want to generate a table of color % values instead of an electronic file, select **Printout** instead of an output device.

10. Fill in the parameters. Unless the defined output format is Cutting Machine, you must define a Press Type. See *page 3-31* for instructions on customizing the list of Press Type options. See *page 3-8* for a description of the different Printout parameters. See *Generating CIP3 Files for the Cutting Machine* section for a description of the cutting machine parameters.

11. To allow for correction from file to press, select the **Enable Correction Table** check box. The name of the selected Correction Table, that defines the values on which the Correction calculations are based, is displayed to the right of the *Enable Correction Table* button.

    To select a different Correction Table, click the **Select Table** button, located on the right of the *Enable Correction Table* check box. From the browser that is displayed, select the desired Correction Table file. See *page 3-35* for instructions on creating custom Correction Tables.

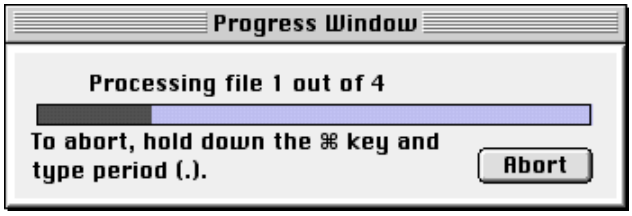
12. To globally modify the sweep value, select the **Enable Sweep** check box. The name of the selected Sweep Table that defines the values on which the Sweep calculations are based, is displayed to the right of the *Sweep Table* button. (The Sweep Table is only relevant when you are generating a printout).

    To select a different Sweep Table, click the **Select Table** button, located on the right of the Enable Sweep check box. From the browser that appears, select the desired Sweep Table file. See *page 3-38* for instructions on creating custom Sweep Tables.

13. Click **Create**; a browser is displayed.

14. Use the browser to designate a name and location for the file that will be generated from this operation.

15. Click **Save**; a progress window appears, indicating that the file is being generated.



If you set the *Apply Params to* option to **Printout**, the progress window is followed by a standard Macintosh *Print* dialog box. Define the print parameters according to your preferences, then click **Print**; the data is printed.

If the *Apply Params to* **Komori** option was selected and the *Printout* check box in the *Komori* option was also selected, a printout of Sweep, Plate Coverage, and Ink Consumption values is generated in addition to the electronic file. In this case, the progress window is also followed by a standard Macintosh *Print* dialog box. Define the print parameters according to your preferences, then click **Print**; the data is printed.

Note: See *Appendix A* for a detailed explanation of the various Press-specific parameters available in the InkPRO application.

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16. To exit *Creo InkPRO*, from the *File* menu, select **Quit**.

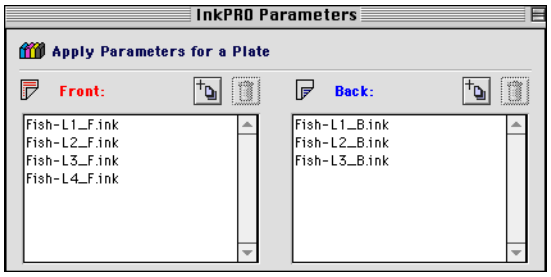
Alternatively, from the *InkPRO Parameters* dialog box, click **Quit**.

Batch Processing

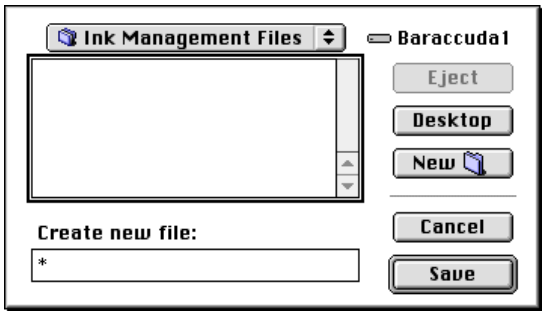
InkPRO lets you generate ink management files for more than one signature at a time, for layouts coming from the Brisque. This feature is currently unavailable for the Tiling feature.

To generate more than one ink management file or printout at a time:

1. Add the ***.ink*** files that you want to process to the *Front* and *Back* lists, respectively.



2. Define the desired InkPRO parameters, according to the procedures explained in the rest of this chapter. (The same parameters will be applied to every file in the batch).
3. Click **Create**; the *Create* browser is displayed.
4. Use the browser to designate the destination folder for the files that will be generated from this operation.
5. In the *Create new file* field, type an asterix (*). The ink management files that result from batch processing retain the same file name as the ***.ink*** files. A different extension (***.cip*** or other) is added, depending on the output format.



6. Click **Save**; a progress window appears, indicating that the files are being generated.

   If you set the *Apply Params to* option to **Printout** or **Komori**, with the *Printout* check box selected (for *Komori* only), the progress window is followed by a standard Macintosh *Print* dialog box. Define the print parameters according to your preferences, then click **Print**.

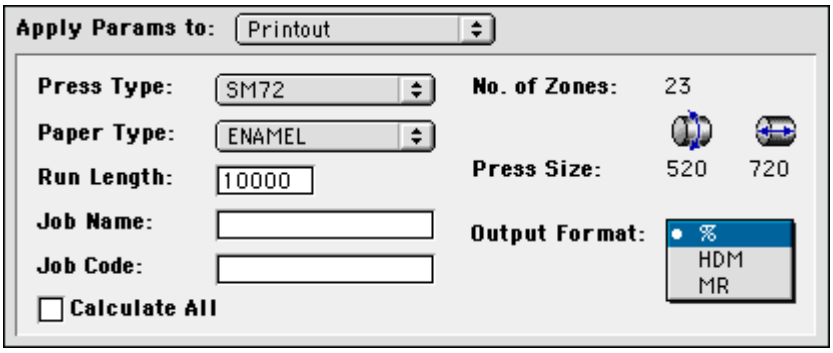
   - If you added ***.ink*** files to the *Front* list only, all ***.ink*** files that appear in the Front list are processed. (If you did not type the asterix in the *Create new file* field, then only the first file that appears in the *Front* list is processed).
   - If ***.ink*** files are present in both the *Front* and *Back* lists, all pairs are automatically processed in pairs, and fronts without backs are also processed. (If you did not add the asterix to the file name in the *Create new file* field, then only the first item from the *Front* list and its pair in the *Back* list (if it has one) are processed.

   Important: *InkPRO* recognizes pairs by their names. Items in the *Front* and *Back* lists are processed as pairs when their names differ by one character only!

Defining the Printout Parameters

If your press machine does not support digital files, you can print a table that displays the calculated ink key data, then manually enter the data at the press machine. The printout also displays the following general data: Job Name, Job Code, File Names, Press Type, Run Length, Paper Type, Sweep, Plate Coverage, and Ink Consumption values.

To generate the necessary data in a printout, you must define the following parameters:



Press Type

From the *Press Type* popup menu, select the press type that describes your press machine.

- You can customize the list of items that appears in the *Press Type* popup menu by editing the Press Table. See *page 3-31*.

Paper Type

From the *Paper Type* popup menu, select the paper type that is going to be used for this job.

- You can customize the list of items that appears in the *Paper Type* popup menu by editing the *Paper/Ink* Table. See *page 3-26*.

Run Length	In the *Run Length* field, type the number of copies that will be printed.
Job Name	Filling in this field is optional. The text you type here appears on the printout.
Job Code	Filling in this field is optional. The text you type here appears on the printout.
Number of Zones	You cannot edit this field from the *InkPRO Parameters* dialog box. The value automatically reflects the number of ink zones on the selected Press Type, as defined in the Press Table. See *page 3-31* for instructions on editing the Press Table.
Press Size	Indicates the printable area of the selected *Press Type*, in millimeters or inches, depending upon the selected *Units* option. You cannot edit these fields from the *InkPRO Parameters* dialog box. The values reflect the *Image Size H* and *Image Size W* definitions in the Press Table. See *page 3-31* for instructions on editing the Press Table.
Output Format	For a Heidelberg press, select **HDM**. For a Man Roland press, select **MR**. Otherwise, select **%.**

Calculate All

Select this option when you want to calculate the total ink consumption for several single pages that belong to a specific job.

You must do the following:

1. On the Brisque, drag each page to the *InkPRO* icon and create an ***.ink*** file for each of the pages.
2. In the InkPRO application, add to the *Front* list all of the ***.ink*** files you created.
3. Select the **Calculate All** option; *InkPRO* calculates the total ink consumption, which is displayed in the printout.

Units

The *Units* menu on the right indicates whether the ink consumption values in the table are described in kilograms or pounds.

The *Units* menu on the left indicates whether the Press Table & Paper / Ink Table coverage values are described in millimeters or inches.

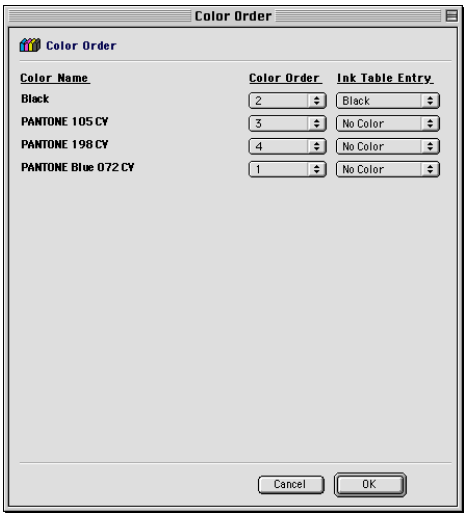


Preparing Spot Color Data for the Printout

When input files contain spot colors, you must verify that the spot colors are included in the Paper / Ink Table so that the printout displays the necessary data derived from accurate calculations.

If a spot color does not appear in the Paper / Ink Table, it will not be included in the ink consumption calculations. To include a spot color in these calculations, you can add the spot color to the Paper / Ink Table or assign to the spot color, the properties of a color (from the table) that has similar characteristics.

You can also change the sequence of the colors for the printout or output file to the press, merge the data of two colors (for example, in the case of language versioning) or ignore a color (exclude it from the printout).



The *Color Order* window displays three columns:

- **Color Name** - indicates the name of the color as specified in the ***.ink*** file
- **Color Order** - indicates the sequence of the colors in the printout or output file
- **Ink Table Entry** - indicates whether the color exists in the Paper / Ink Table.

Note: You can modify the list of colors displayed in the *Ink Table Entry* popup menus by editing the Paper/Ink Table. *See page 3-26*.

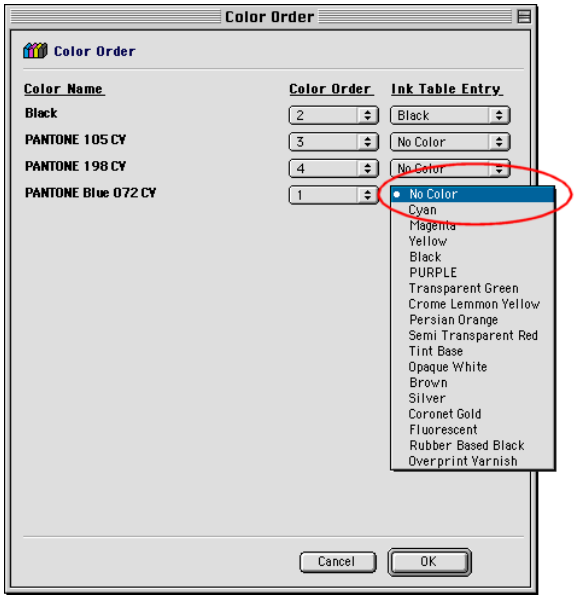
Handling Colors Not Defined in the Paper/Ink Table

A color may not exist in the *Paper/Ink Table*. In this case, in the *Color Order* window, the *Ink Table Entry* column, indicates "No Color". This color will not have ink calculation data and in the printout will be marked "Undef" (undefined).

To include the ink consumption calculations of this color in the printout, choose one of the following options:

- Add the color to the Paper / Ink Table. See the following section, *Adding a Spot Color to the Paper/Ink Table* for detailed instructions.
- Assign the characteristics of an existing color from the Paper / Ink Table to this color. To do this:

  ➢ Under the *Ink Table Entry* column, click the menu that corresponds to the color you would like to include in the calculations; select a color (the menu includes all the colors that exist in the *Paper/Ink Table*).



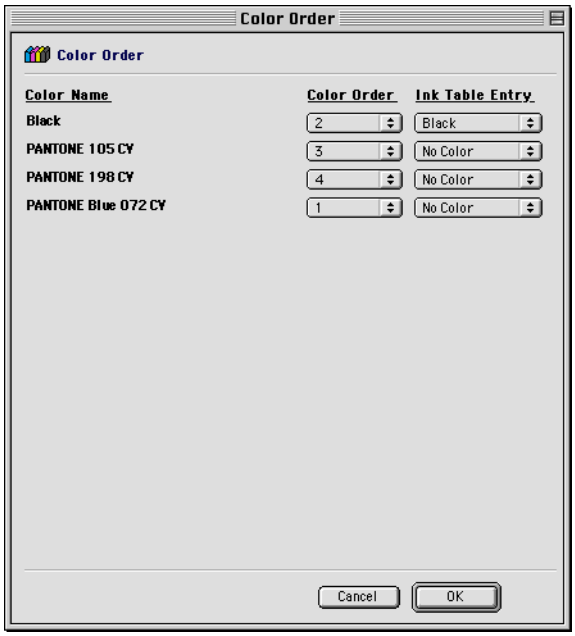
  InkPRO will use the color you selected to calculate ink consumption for the non existent color in the *Paper/Ink Table*.

Adding a Spot Color to the Paper/Ink Table

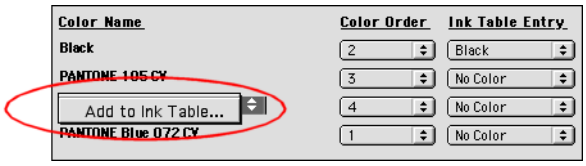
To add a spot color to the Paper/Ink Table:

1. From the *InkPRO Parameters* window, click **Color Order**; the *Color Order* window appears.

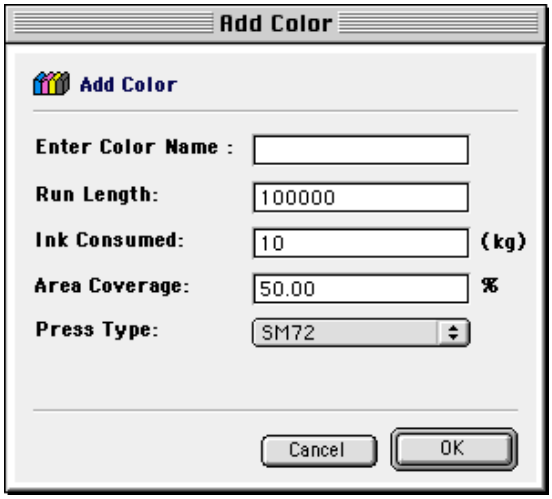
   If a color does not exist in the Paper / Ink Table, the *Ink Table Entry* column indicates "No Color".



2. From the Color Name column, click the color you want to add to the Paper / Ink Table and select the **Add to Ink Table** option.



The *Add Color* window is displayed, indicating the specific color name you chose.



3. Define the parameters and click **OK**.

Note: The data of *Run Length* and *Ink Consumed* are taken from the press room after the first run. The data of *Area Coverage* is taken from the *InkPRO*-generated printout from the first run.

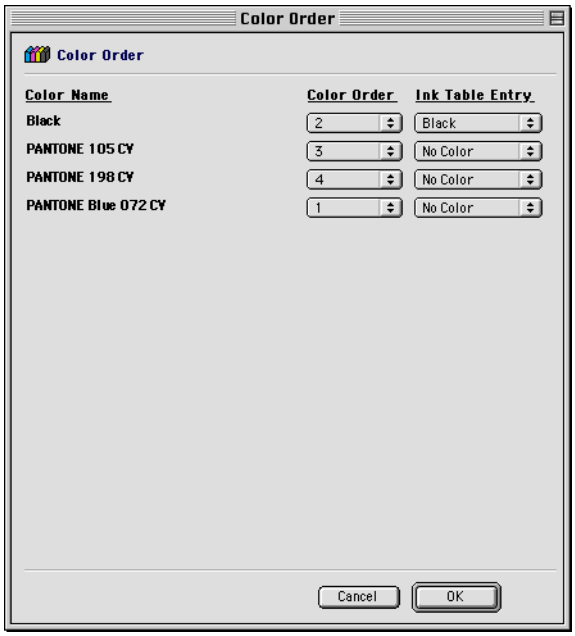
4. Repeat *steps 2* to *4* for every color that you want to add to the Paper / *Ink Table*.

Changing the Sequence of the Colors

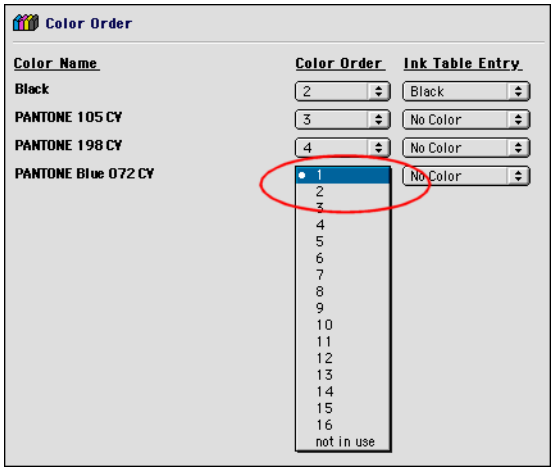
You can change the sequence of the colors in the output file or printout to conform to your specific needs.

To change the sequence of the colors:

1. From the *InkPRO Parameters* window, click **Color Order**; the *Color Order* window appears.



2. Under the *Color Order* column, click the menu that corresponds to the color you want to change. Select the desired numeric position.



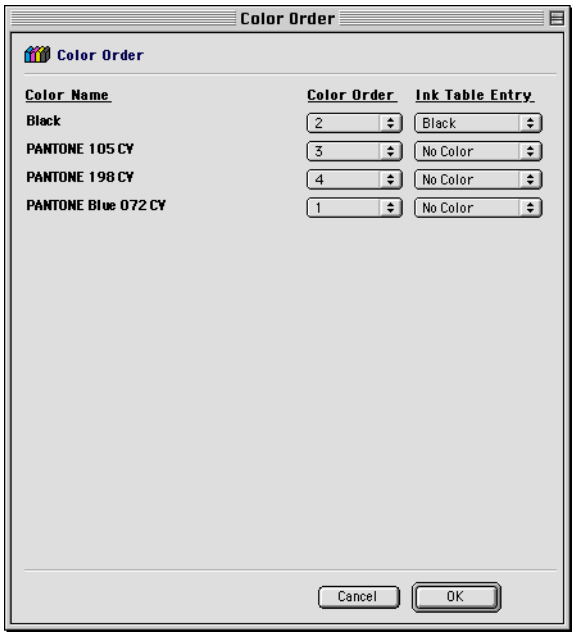
3. Repeat *step 2* to change the order of any other color(s) in the color sequence.

Excluding a Color from the Process

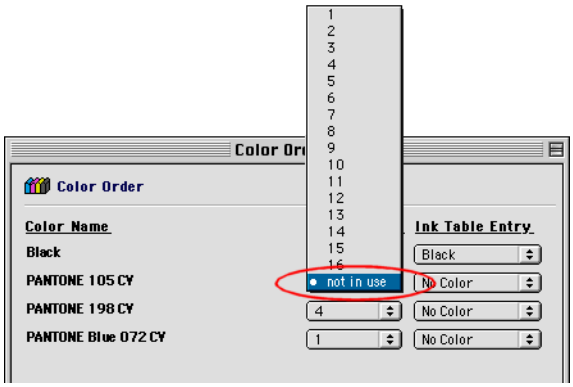
You can omit a color that exists in the ***.ink*** file from the output file or printout. You may want to do this for a color that is necessary for proofing but not for the press (for example, a die line in a packaging job).

To exclude a color from the printout:

1. From the *InkPRO Parameters* window, click **Color Order**; the *Color Order* window appears.



2. Under the *Color Order* column, click the menu that corresponds to the color you want to exclude. Select **not in use**.



InkPRO will not include this color in its ink consumption calculations and the color will not appear in the printout.

Merging Data from Two Colors

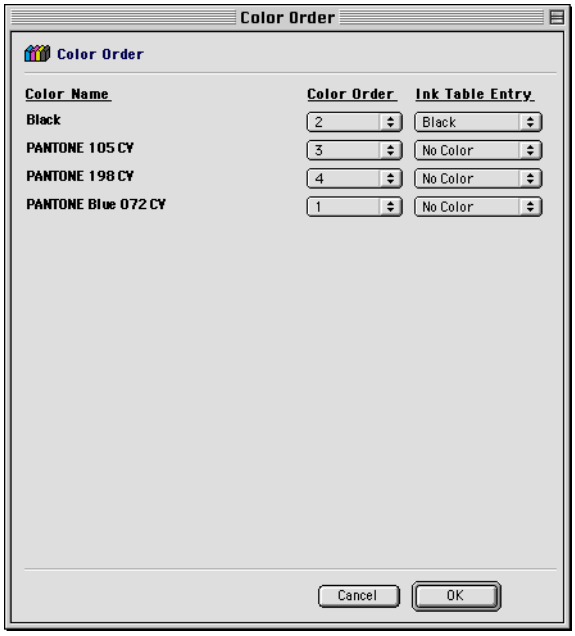
You can merge data from two colors. For example, when working with text in different languages, you will probably have two black colors (one for black images and the other for black text). For ink consumption calculations, you may want to merge the two black colors for a single black result.

To merge two colors, you select the same numeric position within the sequence for both colors.

Note: Currently, the CIP3 file format does not support the merge option (***.cip*** extension).

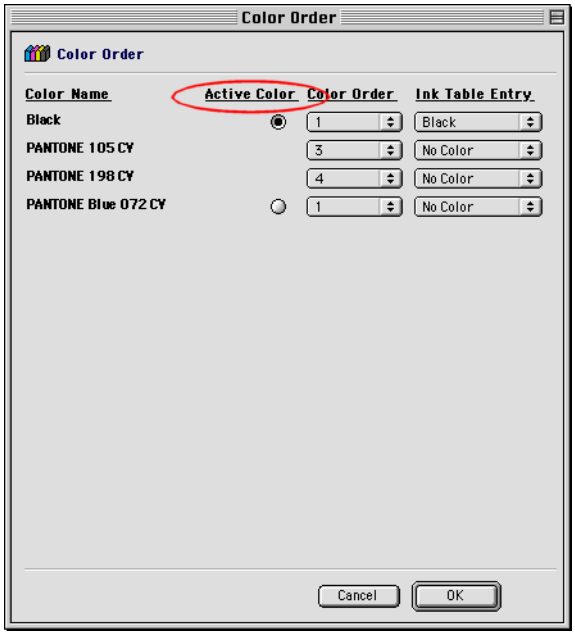
To merge the data of two colors:

1. From the *InkPRO Parameters* window, click **Color Order**; the *Color Order* window appears.



2. Under the *Color Order* column, click the menu that corresponds to the color you want to merge and select the same numeric position of the other color.

A new column, the *Active Color* column, is displayed in the *Color Order* window.



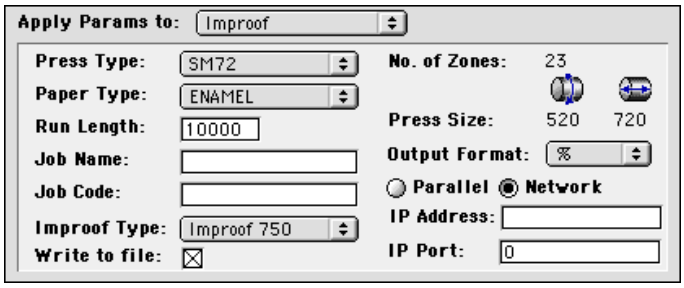
3. Use the *Active Color* column to select which name of the two colors will appear in the printout or output file. In this example, (see the figure above), the active color and the name that will be displayed in the printout or output file, is Black.

Defining the Improof Parameters

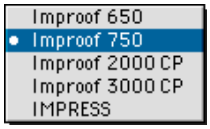
InkPRO lets you output the ink management data directly to a connected Improof device. This allows you to print the calculated ink values in each zone on the imposition proof itself.

To generate the ink values on an imposition proof:

1. From the *Apply Params to* menu, select **Improof**; the Improof parameters are displayed below the *Apply Params to* menu.



2. Select the appropriate *Press Type* and *Paper Type*.
3. Fill in the *Run Length*, *Job Name*, and *Job Code* parameters.
4. From the *Improof Type* menu, select your Improof model.



5. If you want the ink management information to be saved to file on the hard disk, as well as on the imposition proof, click **Write to file**. When choosing this option, InkPRO generates a ***bitmap.ct*** file and a ***bitmapR.ct*** file that contain the data that can be transferred to a remote imposition proofer.
6. The *No. of Zones* and *Press Size* values automatically reflect the number of ink zones and the printable area of the selected *Press Type*. These fields cannot be edited
7. From the *Output Format* menu, select **HDM** for a Heidelberg press, select **MR** for a Man Roland press or select **%** for other press types.

8. Choose between a **Parallel** or **Network** connection for the transfer of the information. If you select *Network*, type the *IP Address* (for example: 149.115.87.81) and *IP Port (*IP Port: *9100* for HP proofers*).* See *Configuration of the IP Address on the HP Improof* in *Appendix B*.

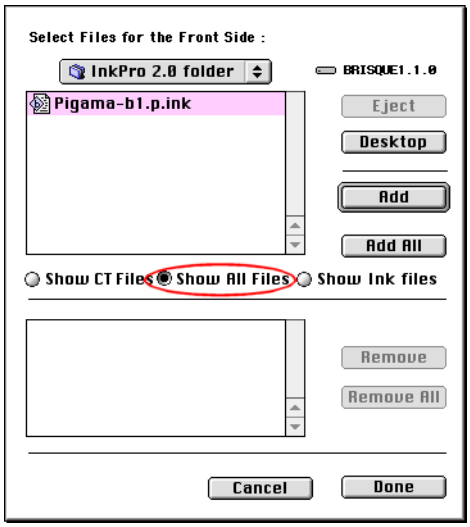
Generating CIP3 Files for the Cutting Machine

InkPRO can generate CIP3 files that contain the cutting profile of the layout, thereby automating the cutting process and shortening the post press stage.

InkPRO generates ***.ifc*** files for Polar cutting machines or ***.cip*** files for other cutting machines.

To generate the CIP3 files for the Cutting Machine:

1. Locate the ICF file (Imposition Control File) of the layout.
2. At the Macintosh,launch the **Creo InkPRO** application..
3. Click the **Front**  button; a browser appears.



4. To see all files (including ***.icf*** files) in the file list of the browser, click **Show All Files**.

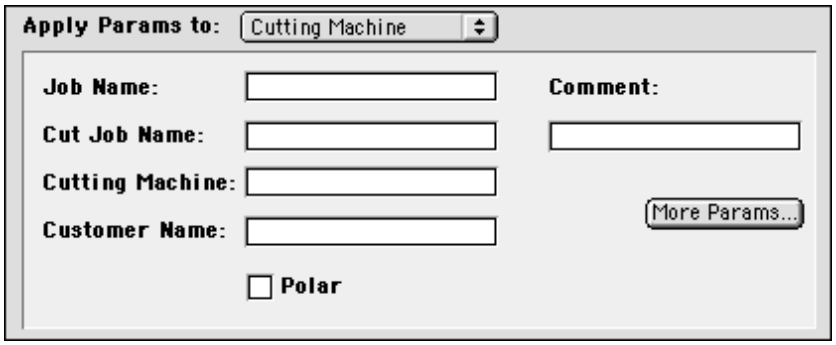
5. Use the browser to select the ***.icf*** file that contains the relevant cutting profile. Click **Add**.

Warning: In the *Select Files* browser, do not use the **Add All** button if you have selected the *Show All Files* check box! You may add hidden files to the list. This can prevent *InkPRO* from successfully generating the file.

Tip: With the mouse, you can drag files from the Macintosh desktop directly to the *Front* and *Back* lists.

6. Click **Done**; you are returned to the *InkPRO Parameters* dialog box, where the selected file appears in the *Front* list. (Notice that as soon as you add a file name to the *Front* or *Back* list, the **Create** button becomes active).

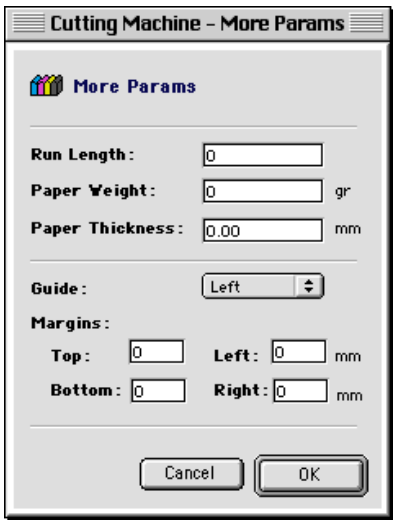
7. From the *Apply Params to* menu, select **Cutting Machine**; the cutting machine parameters are displayed below the *Apply Params to* menu.



8. Define the parameters of *Job Name, Cut Job Name, Cutting Machine, Customer Name* and *Comment* (if any).

   If the cutting machine is Polar, select the **Polar** check box (InkPRO will generate output files with the Polar internal format ***-.icf***).

9. Click **More Params**; the *Cutting Machine - More Params* window is displayed.



10. Define the parameters of *Run Length*, *Paper Weight*, *Paper Thickness*. Select *Guide* location and specify *Margins* (if any).

11. Click **OK;** you are returned to the *InkPRO Parameters* dialog box.

12. Click **Create**; a browser appears.

13. Use the browser to designate a name and location for the file that will be generated from this operation.

    InkPRO generates ***.ifc*** files for Polar cutting machines or ***.cip*** files for other cutting machines.

Editing the Paper/Ink Table

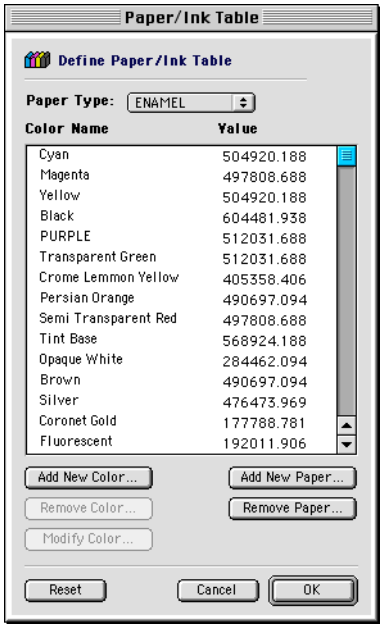
Colors displayed in the *Ink Table Entry* menus in the *Color Order* window are derived from the Paper/Ink Table. You can customize the list of colors by editing the data that appears in the table.

This table also defines which options appear in the *Paper Type* menu in the *InkPRO Parameters* dialog box, as well as the coverage values for each color. The coverage values indicate how many 1000 square millimeters or 1000 square inches are covered (100% coverage) by 1 kg or 1 lb of a specific color on a specific media. Use this data to help calculate your ink needs.

Note: Coverage values can be expressed in one of the following ways: pound per 1000 square inches, pound per 1000 square millimeters, kilogram per 1000 square inches, or kilogram per 1000 square millimeters. To change the display units, select the desired option(s) from the two **Units** menus that appear near the bottom of the *InkPRO Parameters* dialog box.

To edit the Paper/Ink Table:

1. From the *File* menu, select **Paper/Ink Table**; the *Paper/Ink Table* dialog box appears.



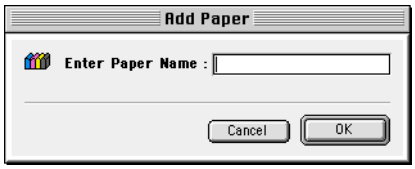
2. Make the desired changes (as described in the following sections), and click **OK**; the changes you made to the table are reflected in the menus and the printout.

➢ To revert to the table values that existed at the time you opened the table, click **Reset**; any newly defined data is removed.

Adding a Paper Type

To add a new paper type to the table:

1. Click the **Add New Paper** button; the *Add Paper* dialog box appears.



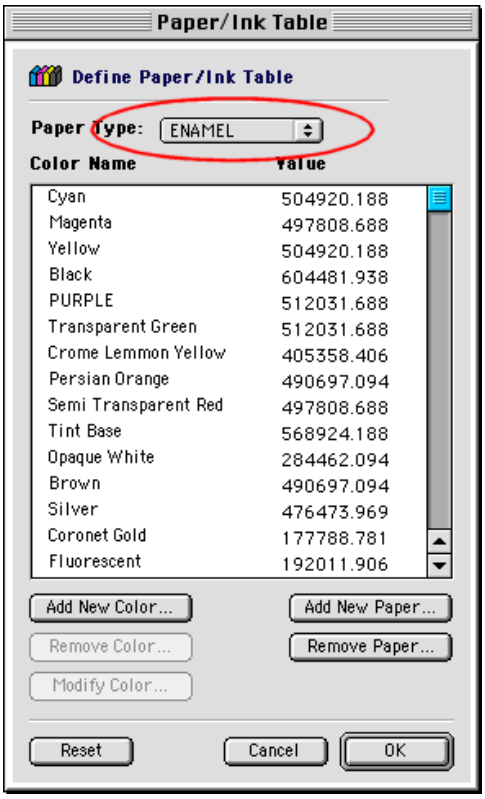
2. In the *Enter Paper Name* field, type the paper name.
3. Click **OK**; you are returned to the *Paper/Ink Table* window, where the new paper type appears in the *Paper Type* popup menu.
4. In the *Value* column, type the coverage values for each color on this paper type. (Double click an existing value, and when it appears highlighted, type the desired value).

   Alternatively, click each color name and press **Modify Color**. Then, define the appropriate parameters and click **OK**; *InkPRO* calculates the appropriate coverage value.
5. Repeat *step 4* for all of the colors in the Paper / Ink table. Make sure that the *Paper Type* menu displays the new paper you just added throughout the process of updating the color coverage values.

➢ To delete a *Paper Type* from the table, select it from the *Paper Type* popup menu, then click the **Remove Paper** button.

Adding a Color

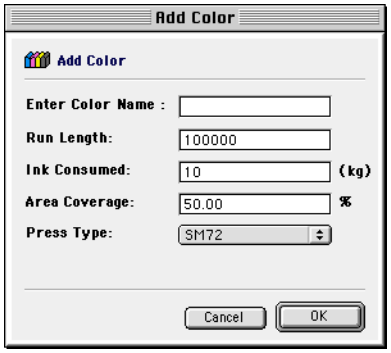
You can add colors to the Paper/Ink Table. Note, when you add a color via the *Paper/Ink Table* window, you are adding it to a specific paper type.



Note: You can also add a color from a file to the Paper/Ink Table and assign a paper type to it. See *Adding a Spot Color to the Paper/Ink Table* in the *Preparing Spot Color Data for the Printout* section on *page 3-13* for detailed information.

To add a color to the table:

1. Click **Add New Color**; the *Add Color* dialog box appears.



2. Fill in the fields with the appropriate information of *Color Name*, *Run Length*, *Ink Consumed*, and *Area Coverage* and select an option from the *Press Type* popup menu.
3. Click **OK**; you are returned to *Paper/Ink Table* window. The new color appears in the *Color Name* list with its correct coverage value for the specific paper type displayed in the *Paper Type* menu.

Note: For other paper types, the new color will display a default coverage value (100.00). To obtain the correct coverage value for any specific paper type, continue with *step 4* below.

4. Select a different paper type in the *Paper Type* popup menu.
5. Click **Modify Color** and fill in the necessary fields. *InkPro* calculates the appropriate area coverage for the ink and paper you selected.
6. Repeat for each relevant paper type.

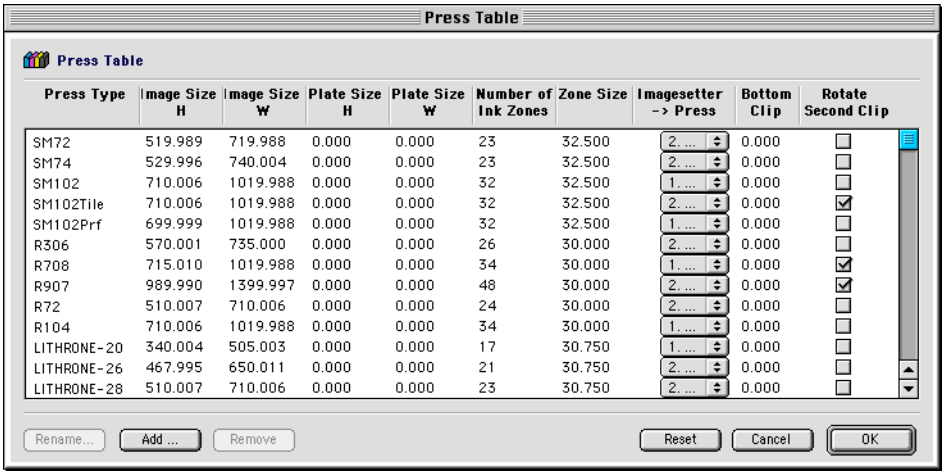
- To delete a color from the table, select it from the *Color Name* column, then click the **Remove Color** button. (You cannot delete *Cyan*, *Magenta*, *Yellow*, or *Black*.)
- To modify the data of a color, select it from the *Color Name* column, then click the **Modify Color** button. Make the desired changes and click **OK**.

Editing the Press Table

The options that appear in the *Press Type* menu in the *InkPRO Parameters* dialog box, as well as the *Number of Zones* and *Press Size* values, are derived from the data that appears in the Press Table. To customize the options that appear in this menu and fields, edit the information in the *Press Table* window. The data in the Press Table also determines the orientation of the film relative to the press, the clipping values, and when working with the Tiling feature, whether or not the second tile is rotated.

To edit the Press Table:

1. From the *File* menu, select **Press Table**.



2. Edit the table as desired (see *page 3-32* for detailed instructions), and click **OK**; the changes you made to the table are reflected in the *InkPRO Parameters* dialog box and in the printout.

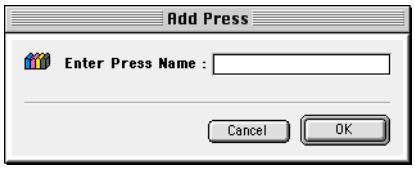
➢ To revert to the table values that existed at the time you opened the table, click **Reset**; any newly defined data is removed.

Note: The values in this table can be expressed in millimeters or inches. To switch the display units, from one of the **Units** menu buttons in the *InkPRO Parameters* dialog box, select the desired option.

Press Type

To add an item to the Press Type column:

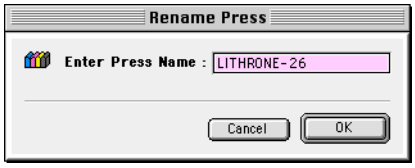
1. Click the **Add** button; the *Add Press* window is displayed.



2. Type the name in the *Enter Press Name* field.
3. Click OK.

To rename an item in the Press Type column:

1. Select an item from the *Press Type* column.
2. Click **Rename**; *the Rename Press* window is displayed.



3. In the *Enter Press Name* field, type a name.
4. Click **OK**.

➢ To delete an item from the *Press Type* column, select it, then click **Remove**.

Image Size H

Defines the press printable area from top to bottom.

- Go to the appropriate row of the *Image Size H* column, highlight the existing value, and type the new value.

Image Size W

Defines the press printable area from left to right.

- Go to the appropriate row of the *Image Size W* column, highlight the existing value, then type the new value.

Plate Size H

- Type a value for KBA CIP3 interface. For other presses, *Plate Size H* value is zero.

Plate Size W

- Type a value for KBA CIP3 interface. For other presses, *Plate Size W* value is zero.

Number of Ink Zones

- Go to the appropriate row of the *Number of Ink Zones* column, highlight the existing value, then type the new value.

Note: For a Gravure press, type 1 as a single zone is used.

Zone Size

- Go to the appropriate row of the *Zone Size* column, highlight the existing value, then type the new value.

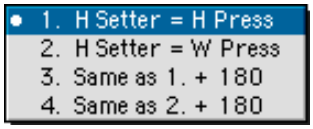
Note: For a Gravure press, type the value of the *Image Size W*.

Imagesetter → Press

This option rotates the image on press at increments of 90° to match the orientation of the exposing device (image or plate setter).

Select from:

- Height of imagesetter equals height of press (no rotation)
- Height of imagesetter equals width of press (rotation of 90°)
- Rotation of 180°
- Rotation of 270°.



Bottom Clip

If your image is larger than the printable area, the *Bottom Clip* value indicates how many millimeters will be clipped from the bottom of the image.
(If the image still does not fit into the imageable area after bottom clipping, InkPRO continues clipping the image from the top.)

➢ Go to the appropriate row of the *Bottom Clip* column, highlight the existing value, then type the new value.

Rotate Second Clip

Rotate Second Clip is relevant when you are using the Tiling option.

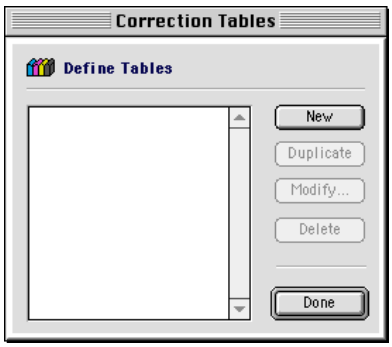
➢ Select this option to rotate the second tile 180°.

Creating a Correction Table

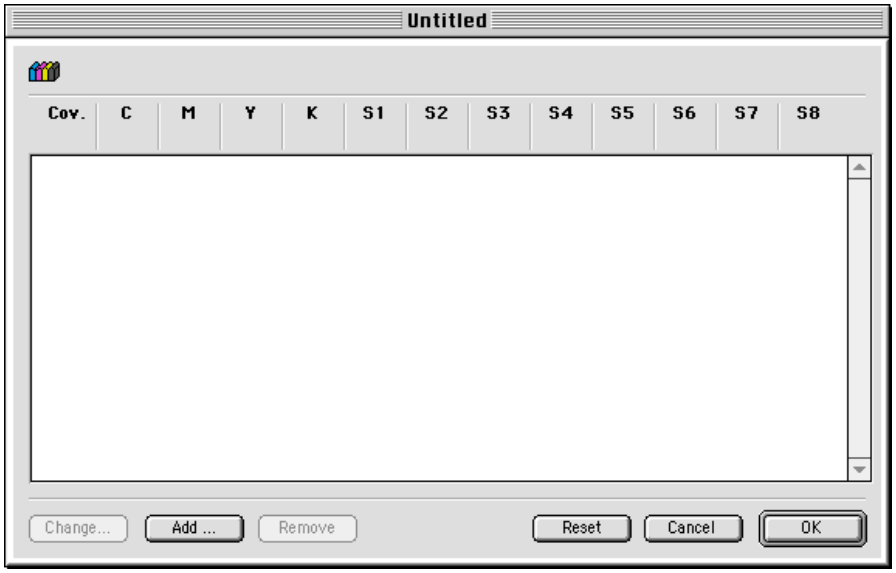
A Correction Table defines values that allow for correction between the input file values and the press. The Correction Table can define one curve for all separations, or a separate curve for each separation. When you define the parameters for a printout, you can select a specific Correction Table.

To create a customized Correction Table:

1. From the *File* menu, select **Correction Tables**; the *Correction Tables* dialog box appears, displaying the list of existing Correction Tables.



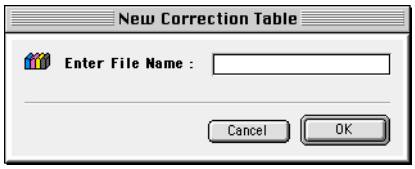
2. Click **New**; an empty table appears.



3. To add a file value, click **Add**; the *New File Value* dialog box appears.



4. In the *Enter File Value* field, type a file value (from 0-100, inclusive).
5. Click **OK**; you are returned to the table, where the new file value appears.
6. To define the *Color Separation Values* that correspond to the *File Values*, one at a time, highlight the field that you want to edit by double clicking it, then type the new value.
7. Repeat *steps 3-6*, until you have added all of the necessary file values to the table.
8. When you finish defining table values, click **OK**; the *New Correction Table* dialog box appears.



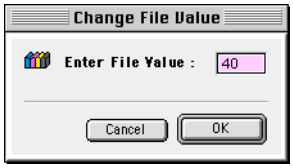
9. Type a name into the *Enter file name* field, and click **OK**; you are returned to the *Correction Tables* dialog box, where the name of the new table appears in the list.

- To modify a Correction Table, from the *Correction Tables* dialog box, select a table, click **Modify**, make the desired changes to the table, and click **OK**.
- To create a new Correction Table based on an existing one, from the *Correction Tables* dialog box, select a table, click **Duplicate**, then in the *New Correction Table* dialog box, type a name, and click **OK**; the new table appears in the list. Modify it as necessary.
- To delete a Correction Table, from the *Correction Tables* dialog box, select a table and click **Delete**; the table you selected is deleted.

Editing File Values

To edit a file value:

1. Click the file value; the entire row appears selected.
2. Click the **Change** button; the *Change File Value* dialog box appears.



3. In the *Enter File Value* field, type the new value.
4. Click **OK**; you are returned to the table that displays the modified value.

- To delete a file value, select it from the table, then click **Remove**.
- To revert to the table values that existed at the time you opened the table, click **Reset**.

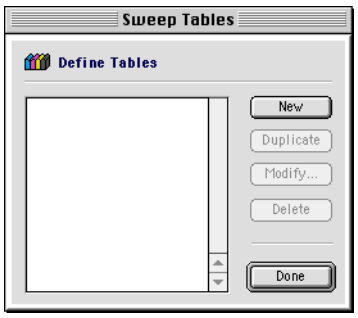
Sweep Tables

Sweep Tables contain coverage values, and the corresponding sweep values for each color separation. Coverage values indicate the average coverage per color, per file. Normally, file values range from 30-70. To globally increase the ink flow for a particular color, you increase the sweep value for that color. To decrease the ink flow, decrease the sweep value.

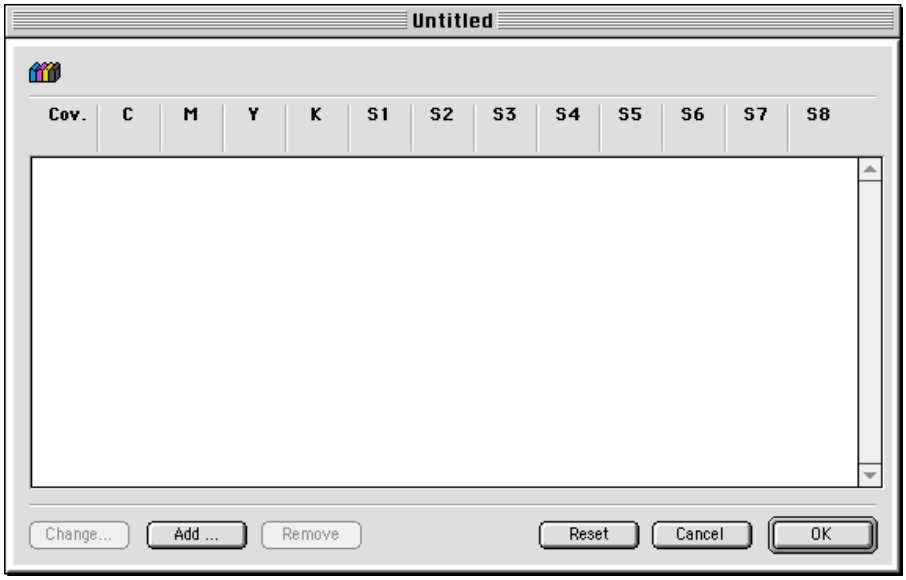
Note: The Sweep Table data is incorporated into the InkPRO calculations only when you are generating a printout. The Sweep values are not included in any file format.

To create a Sweep Table:

1. From the *File* menu, select **Sweep Tables**.



2. Click **New**.



3. To add a file value, click **Add**; the *New File Value* dialog box appears.



4. Type a value in the *Enter File Value* field, then click **OK**.
5. To define the *Color Separation Values* that correspond to the *File Values*, highlight the field that you want to edit by double clicking it, then type the appropriate number.
6. Repeat *steps 3-5*, until all of the desired file values appear in the table.
7. When you finish defining table values, click **OK**.



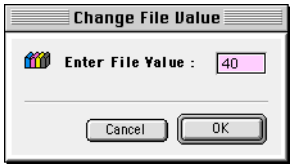
8. Type a name into the *Enter File Name* field, and click **OK**; you are returned to the *Sweep Tables* dialog box, where the new table appears in the list.

- To modify a Sweep Table, from the *Sweep Tables* dialog box, select a table, then click **Modify**. Make the desired changes to the table, and click **OK**.
- To create a new Sweep Table based on an existing one, from the *Sweep Tables* dialog box, select a table, click **Duplicate**, then in the *New Sweep Table* dialog box, type a name, and click **OK**; the new table appears in the list. Modify it as necessary.
- To delete a Sweep Table, from the *Sweep Tables* dialog box, select a table and click **Delete**; the table you selected is deleted.

Editing File Values

To edit a file value:

1. Point and click just to the left of the file value; the entire row appears selected.
2. Click the **Change** button; the *Change File Value* dialog box appears.



3. In the *Enter File Value* field, type the new value.
4. Click **OK**; you are returned to the table that displays the modified value.

- ***Alternatively***, double click the existing file value, and when it appears highlighted, type the new value.
- To delete a file value, point just to the left of it and click. When the entire row appears highlighted, click **Remove**.
- To revert to the table values that existed at the time you opened the table, click **Reset**; any newly defined data is removed.

Working with the Tiling Option

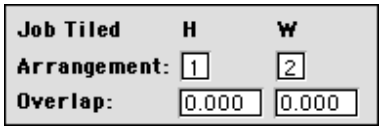
InkPRO can generate one output ink management file from groups of input ***.ink*** files that when tiled, comprise a flat. Currently, *InkPRO* supports generating ink management files for flats made up of two horizontal tiles (H=1, W=2) or three vertical files (H=3, W=1). When the *Job Tiled* option is selected, InkPRO generates one ink management file from two or three ***.ink*** files that appear in the *Front* list. When you are working with two sided plates, *InkPRO* generates one ink management file from two or three ***.ink*** files from the *Front* list plus two or three ***.ink*** files from the *Back* list.

Note: Batch processing is currently unavailable in conjunction with tiling.

The number of files on the list must correspond to the values in the *Arrangement H* and *W* fields before you click *Create*. If not, InkPRO will be unable to process the *Create* command.

To generate an ink management file from *.ink* files that comprise 2 tiles in one row (H=1, W=2):

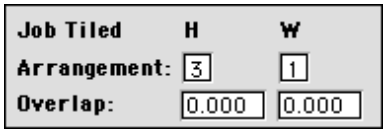
1. Add two ***.ink*** files to the *Front* list.
2. If you are working with two-sided plates, add two ***.ink*** files to the *Back* list.
3. In the *Arrangement H* field, type **1**, and in the *Arrangement W* field, type **2**.



4. In the *Overlap* fields, type positive values to define the overlap of the tiles, or negative values to define a gap between the tiles.
5. Define the other InkPRO parameters as necessary.
6. Click **Create**; one ink management file is generated for the signature. For detailed instructions about generating ink management files, see *page 3-2*.

To generate an ink management file from *.ink* files that comprise 3 tiles in one column (H=3, W=1):

1. Add three ***.ink*** files to the *Front* list.
2. If you are working with two-sided plates, add three ***.ink*** files to the *Back* list.
3. In the *Arrangement H* field, type **3**, and in the *Arrangement W* field, type **1.**



4. In the *Overlap* fields, type positive values to define the overlap of the tiles, or negative values to define a gap between the tiles.
5. Define the other InkPRO parameters as necessary.
6. Click **Create**; one ink management file is generated for the signature. For detailed instructions about generating ink management files, see *page 3-2*.

Working with Hot Folders

Hot Folders contain instructions for handling files. You create a Hot Folder on the Macintosh when you want an automatic workflow for files that are to undergo the same exact process on the Macintosh. Once a file is sent to a Hot Folder, it is automatically processed according to the specific operations defined in the Hot Folder.

InkPRO version 2.0 supports the Hot Folder feature. You can create a Hot Folder for a specific output format and press machine and any file that is sent to this Hot Folder will be processed automatically according to the process you defined.

Defining a Hot Folder

Before you designate a regular folder as a Hot Folder, you must define the workflow profile you want by selecting the output format and press type in the *InkPro Parameters* window.

To define the desired workflow:

1. From the *InkPRO Parameters* window, click the **Apply Params to** menu button, and from the list that appears, select the output format appropriate for the press machine; the fields relevant to the selected output format appear. See the *Defining the Printout Parameters* section, *Defining the Improof Parameters* section, *Generating CIP3 Files for the Cutting Machine* section and *Appendix A* for details of the various output formats available.

   Select **Printout** instead of an output device, if you want to generate a table of color % values instead of an electronic file.

2. From the *Press Type* menu, select the Press Type that describes your press machine.

   All other fields should be left empty. *InkPro* will automatically take the relevant data, such as *Job Name,* from the input file for each file that is processed.

3. To allow for correction from file to press, select the **Enable Correction Table** check box. The name of the selected Correction Table, that defines the values on which the Correction calculations are based, appears to the right of the *Enable Correction Table* button.

   To select a different Correction Table, click the **Select Table** button, located on the right of the *Enable Correction Table* check box. From the browser that appears, select the desired Correction Table file. See *page 3-35* for instructions on creating custom Correction Tables.

4. To modify the sweep value globally, select the **Enable Sweep** check box. The name of the selected Sweep Table, that defines the values on which the Sweep calculations are based, appears to the right of the *Sweep Table* button.

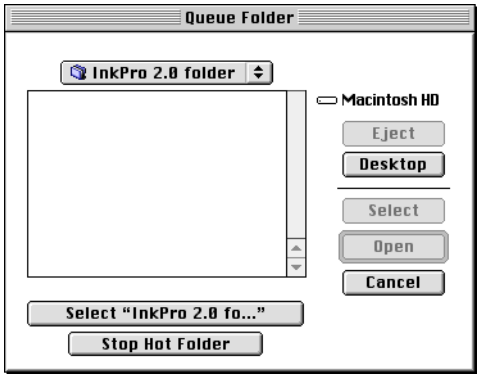
   Note: The Sweep Table is only relevant when you are generating a printout.

   To select a different Sweep Table, click the **Select Table** button, located on the right of the *Enable Sweep* check box. From the browser that appears, select the desired Sweep Table file. See *page 3-38* for instructions on creating custom Sweep Tables.

After you selected the workflow you want, you can define the Hot Folder.

To define the Hot Folder:

1. From the *File* menu, select **Hot Folder**; the *Queue Folder* browser appears.

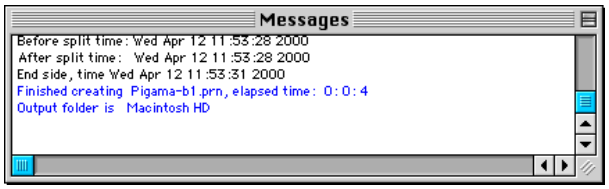


2. Navigate to the standard folder you wish to define as a Hot Folder and press **Select "*foldername*"** ; the folder you selected is now defined as a Hot Folder.

3. With the arrival of the first ***.ink*** file to the Hot Folder, the automatic workflow you selected is operated and the *Create* button is activated.

Note: The *Create* button is activated only once during the process – when the first ***.ink*** file arrives to the Hot Folder.

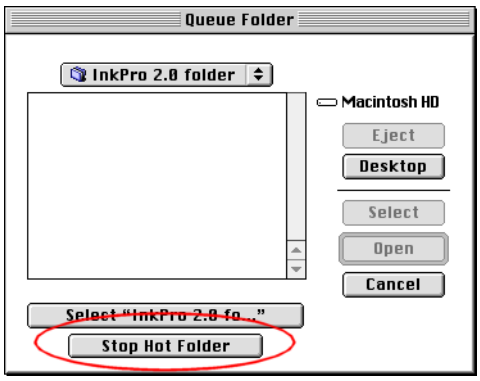
Press **Create**; in the browser that appears, navigate to the destination folder you want for the output files. In the *Create new file* field, type any name and click **Save**; the *Messages* window appears specifying the file processed and its location in the destination (output) folder you chose.



Note: In the *Create new file* field of the browser, type any file name. In any case, *InkPro* will assign the filename of the ***.ink*** file to the processed file.

To stop the Hot Folder process:

1. From the *File* menu, select **Hot Folder**; the *Queue Folder* browser appears.



2. Press **Stop Hot Folder**. The Hot Folder process stops. To activate it again, drag a file from the *Queue Folder* window into the Hot Folder.

Working with Messages

The *Messages* window provides information on the status of files that are being generated. It is displayed on the screen throughout the use of the application. You can save these messages as a text file.

- Messages in blue report successful results
- Messages in red report problems or errors.



To save messages:

1. From the *File* menu, select **Save Messages**; a browser appears.
2. Use the browser to define a name and location for the message file. (The default file name is *InkPRO Messages*).
3. Click **Save**; the messages are saved as a text file.

4 INSTALLATION AND CONFIGURATION

To install **Creo InkPRO** on the Macintosh, you need a software access key (dongle) and the ***InkPRO Installer*** software supplied by Creo. To prepare Brisque or PS/2 files for further processing with InkPRO on the Macintosh, you must enable *InkPRO* on the *Brisque* or *SuperCombine* on the *PS/2*. Each of these options requires a password that is provided when you purchase the necessary license.

Installing Creo InkPRO on the Macintosh

Installing Creo InkPRO on the Macintosh requires a Creo supplied software access key (dongle), and the InkPRO installer software.

To install InkPRO on the Macintosh:

1. Insert the CD-ROM into the CD-ROM drive.
2. On the Macintosh desktop, double click the **InkPRO Installer** icon; the *Install InkPRO* application window is displayed.
3. Click the **Install** button; a browser is displayed.
4. Use the browser to define where the application folder will be installed, and to name it. (The default folder name is *InkPRO folder*).
5. Click **Install**; a status window is displayed, followed by a message that confirms a successful installation. Click **OK**.

➢ To invoke InkPRO after it is installed, from the application folder, double click the **InkPRO** icon.

Enabling InkPRO on the Brisque

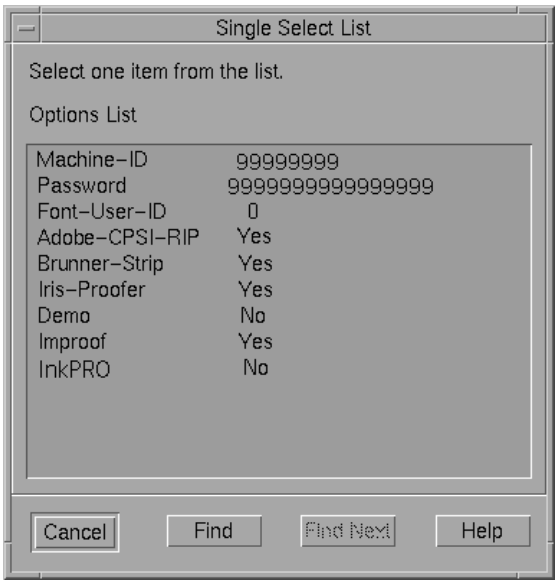
In order to process Brisque files with **Creo InkPRO**, you must enable the **InkPRO** option on the Brisque. When you purchase the license to enable the *InkPRO* option on the Brisque, you receive a password that enables you to complete the following procedure.

To enable the InkPRO option on the Brisque:

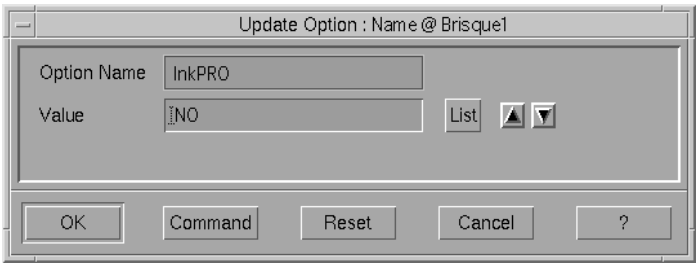
1. From the *Brisque Launch Pad*, double click the **SciSmit** icon; the Password dialog box is displayed.
2. In the User field, type **root**. In the Password field, type **ripro**, then click **OK**; the *SMIT* window is displayed.
3. From the *Creo Admin* list, select **Licensing**; the *Licensing* list is displayed.
4. From the *Licensing* list, select **Update Options**; the *Station Types* list is displayed.



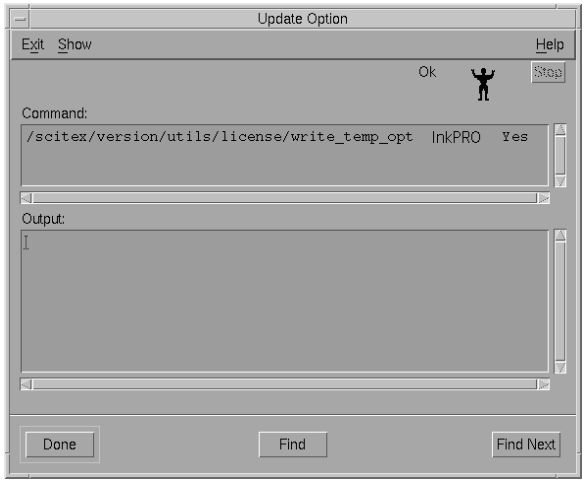
5. From the *Station Types* list, click the appropriate Station Type; the *Options* list is displayed.



6. From the *Options* list, click **InkPRO**; the *Update Option* window is displayed.



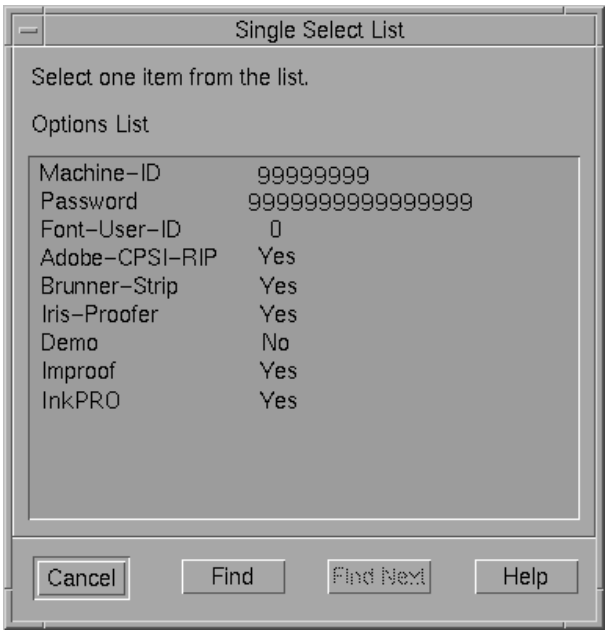
7. In the *Update Option* window, use the **List** arrow buttons to toggle the *Value* field to **Yes**, then click **OK**; another *Update Option* window is displayed.



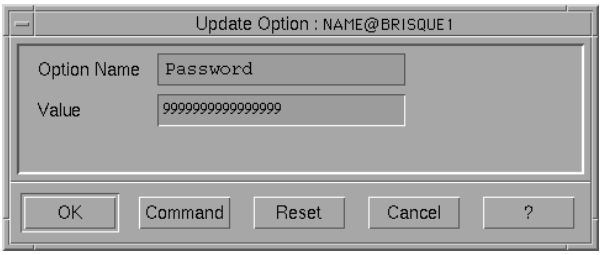
8. When the operation is complete, click **Done**; you are returned to the previous *Update Options* window.
9. Click **Cancel**; you are returned to the main *SMIT* window.
10. From the *SMIT* window, click **Update Options**; the following window is displayed.



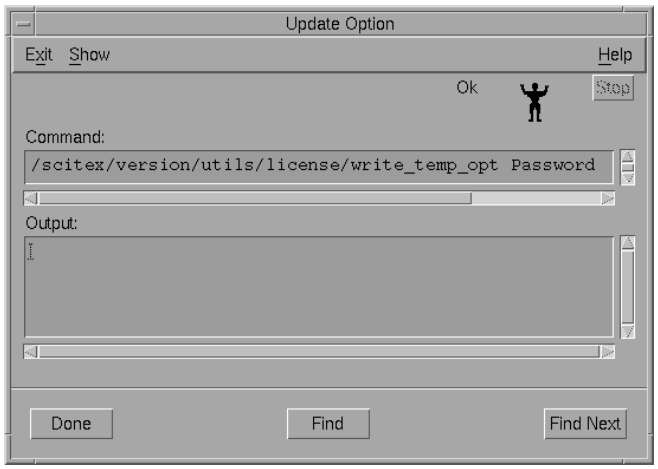
11. From the *Station Types* list, click the appropriate Station Type; the following window is displayed.



12. From the *Options* list, click **Password**; the *Update Option* window is displayed.



13. In the *Value* field, type the Creo-supplied password, then click **OK.**



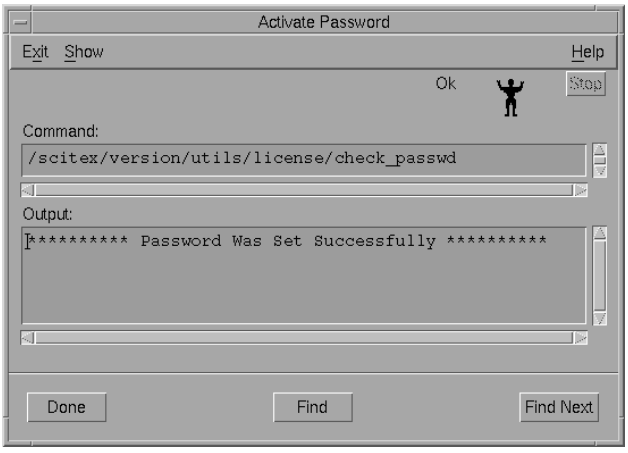
14. When the operation is complete, click **Done**; you are returned to the *Update Option* window.

15. Click **Cancel**; you are returned to the *Licensing* list.

16. From the *Licensing* list, select **Activate Password**; a message prompts you for confirmation.



17. Click **OK**; the *Activate Password* window is displayed.



18. When the operation is complete, click **Done**; *Creo InkPRO* is enabled, and you are returned to the *Licensing* list.

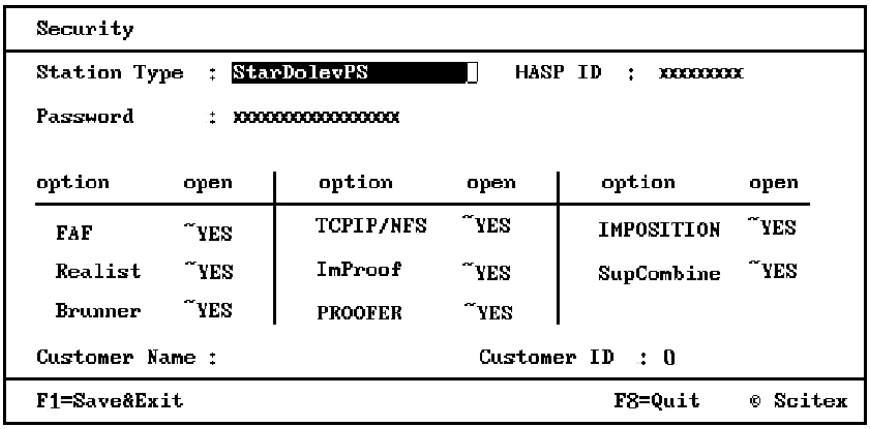
19. To exit SMIT, click **Cancel** twice.

Enabling SuperCombine on the PS/2

In order to process PS/2 files with ***Creo InkPRO***, you must enable the *Proof Configuration* and the *Super Combine* option on the PS/2. When you purchase the license for *Super Combine* on the PS/2, you receive a password that enables you to complete the following procedure.

To enable the Proofer Configuration and Super Combine options on the PS/2:

1. At the PS/2 *Console login*, type **sciutil**, then press **Enter**; the *Creo Utilities* window is displayed.
2. From the *Creo Utilities* window, select the **Security** option, then press **Enter**; the *Security* window is displayed.



3. In the *Security* window, define the following options:
   - In the *Password* field, type the Creo supplied password that you received along with the license for Super Combine.
   - Toggle the *Proofer* field to **Yes**.
   - Toggle the *Sup Combine* field to **Yes**.
4. Press **F1** to save the new options, and exit the *Security* window.

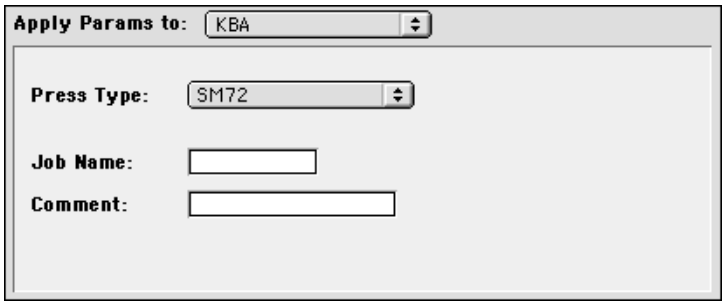
A PRESS-SPECIFIC PARAMETERS

InkPRO supports a variety of output formats for various press machines. You can use *InkPRO* to generate digital ink management files in the internal format supported by the following press machines:

- KBA,
- Komori,
- Mitsubishi,
- Man Roland,
- Akiyama,
- INKFlow,
- Ryobi

In order to generate the ink management files in one of the available formats, you first select the appropriate output format and then fill in the specific parameters for the selected output. Below is an explanation of each of the selected output formats and their specific parameters.

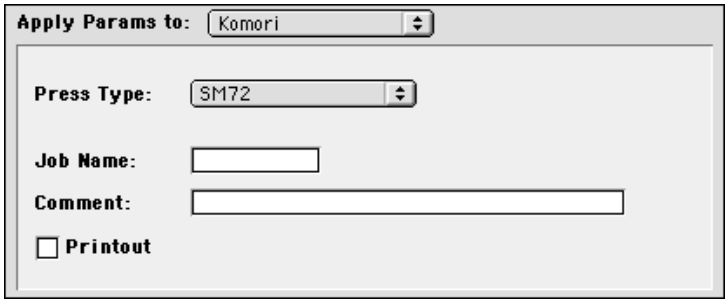
KBA



➢ From the *Apply Params to* menu, select **KBA**. Select the appropriate *Press Type* and fill in the fields of *Job Name* (mandatory) and *Comment* (optional).

InkPRO generates ***.col*** files for *KBA*.

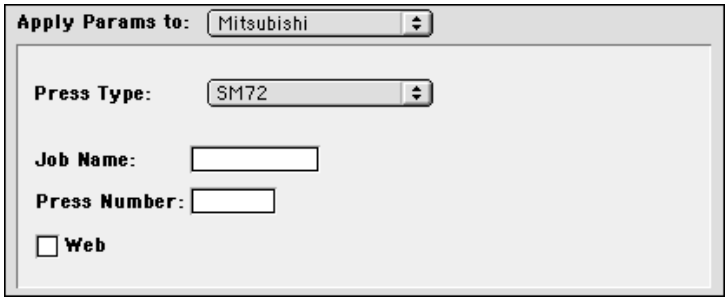
Komori



- From the *Apply Params to* menu, select **Komori**. Select the appropriate *Press Type* and fill in the fields of *Job Name* (mandatory) and *Comment* (optional). If you want a printout of the ink consumption values, select the **Printout** check box.

  InkPRO generates ***.is1*** files for *Komori*.

Mitsubishi

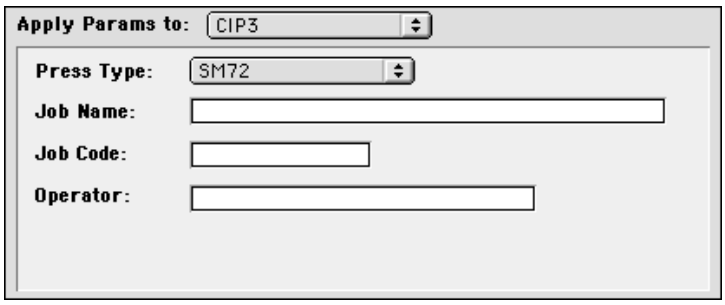


- From the *Apply Params to* menu, select **Mitsubishi**. Select the appropriate *Press Type* and fill in the fields of *Job Name* and *Press Number*. If the press is a web press, select the **Web** check box.

  Note: All fields are mandatory.

  InkPRO generates ***.pre*** files for *Mitsubishi*.

CIP3

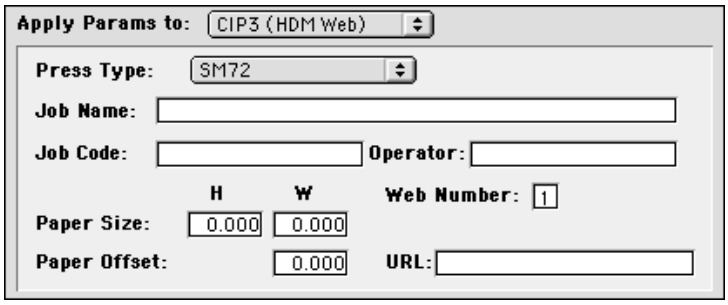


➢ From the *Apply Params to* menu, select **CIP3**. Select the appropriate *Press Type* and fill in the fields of *Job Name* (mandatory), *Job Code* (mandatory) and *Operator* (optional).

Note: If you do not fill in the *Job Name* field, *InkPRO* automatically takes the name of the ***.ink*** file (input file).

InkPRO generates ***.cip*** files for *CIP3*.

CIP3 (HDM Web)



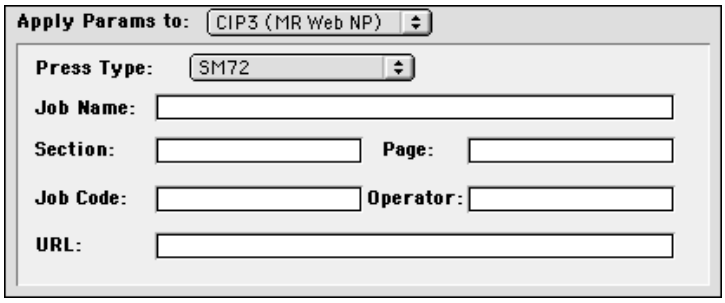
1. From the *Apply Params to* menu, select **CIP3 (HDM Web)**.
2. Select the appropriate *Press Type* and fill in the fields of *Job Name*, *Job Code* and *Operator* (optional).
3. Fill in the fields of *Paper Size H* and *W*, and *Paper Offset*.
4. Fill in the *URL* field if you want to send the file via File Transfer Protocol (ftp). Type the ftp address as follows:
   ftp://user:password@server/dir

   For example, to send the file to a Brisque named Brisque12, type: ftp://root:ripro@brisque12/datavolumes/brisque12.1.0

Note: All fields are mandatory except the *Operator* and *URL* fields. If you do not specify a URL, the file will be placed on the local disc.

InkPRO generates ***.cip*** files for *CIP3 (HDM Web)*.

CIP3 (MR Web NP)



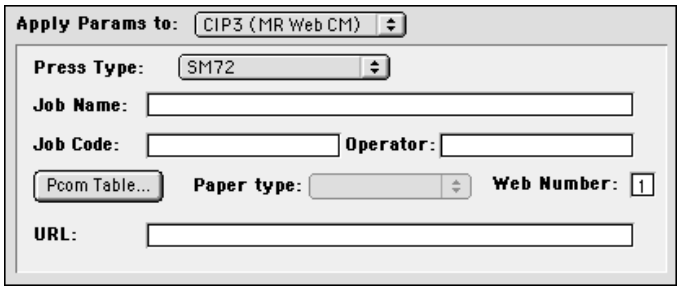
1. From the *Apply Params to* menu, select **CIP3 (MR Web NP)**.
2. Select the appropriate *Press Type* and fill in the fields of *Job Name*, *Section*, *Page*, *Job Code* and *Operator*.
3. Fill in the *URL* field if you want to transfer the file via File Transfer Protocol (ftp). Type the ftp address as follows:
   ftp://user:password@server/dir

   For example, to send the file to a Brisque named Brisque12, type: ftp://root:ripro@brisque12/datavolumes/brisque12.1.0

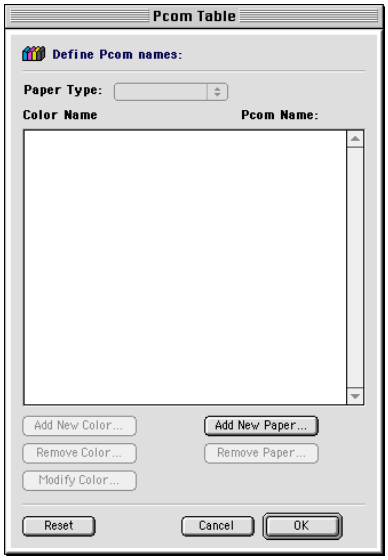
Note: All fields are mandatory except the *Operator* and *URL* fields. If you do not specify a URL, the file will be placed on the local disc.

InkPRO generates ***.cip*** files for *CIP3 (HDM Web)*.

CIP3 (MR Web CM)



1. From the *Apply Params to* menu, select **CIP3 (MR Web CM)**.
2. Select the appropriate *Press Type* and fill in the fields of *Job Name*, *Job Code*, *Operator* (optional) and *Web Number*.
3. Press **Pcom Table**; the *Pcom Table* window is displayed.

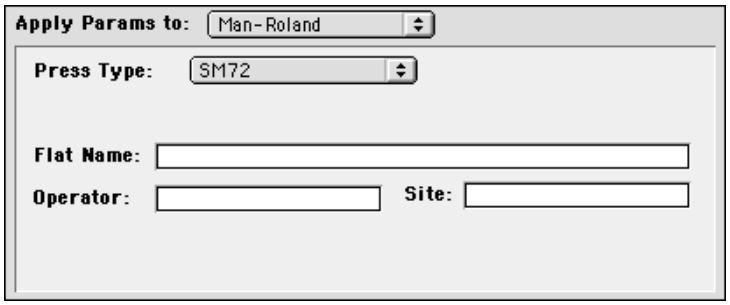


- The *Pcom Table* converts the Color Names from the input file to their Man Roland equivalent codes. Each code represents a specific combination of a color and paper type.
- The Color Name column presents the color names as they appear in the input file. The Pcom Name column presents the equivalent Pcom code of each color.

4. Fill in the *URL* field if you want to transfer the file via File Transfer Protocol (ftp). Type the ftp address as follows:
ftp://user:password@server/dir

   For example, to send the file to a Brisque named Brisque12, type:
ftp://root:ripro@brisque12/datavolumes/brisque12.1.0

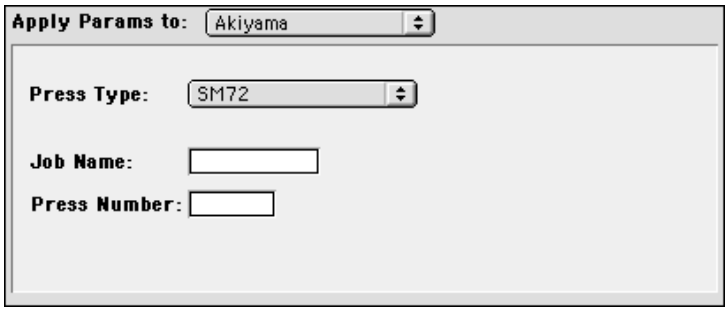
Man-Roland (PPI-1 Interface)



- From the *Apply Params to* menu, select **Man-Roland**. Select the appropriate *Press Type* and fill in the fields of *Flat Name* (mandatory), *Operator* (optional) and *Site* (optional).

  InkPRO generates ***.tif*** files for *Man-Roland.*

Akiyama

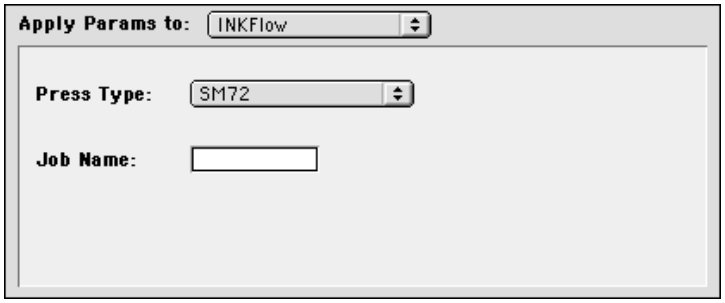


- From the *Apply Params to* menu, select **Akiyama**. Select the appropriate *Press Type* and fill in the fields of *Job Name* and *Press Number*.

Note: All fields are mandatory.

InkPRO generates ***.dma*** files for *Akiyama*.

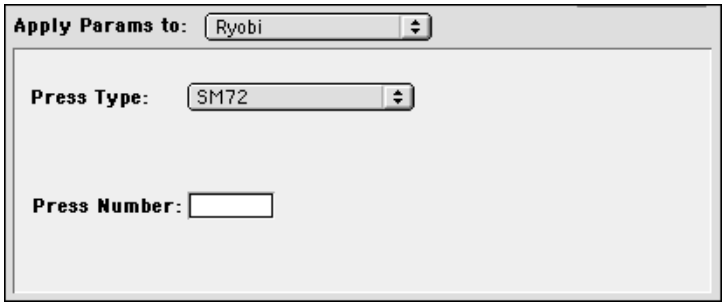
INKFlow



- From the *Apply Params to* menu, select **INKFlow**. Select the appropriate *Press Type* and fill in the field of *Job Name* (mandatory).

  InkPRO generates ***.ikf*** files for *INKFlow*.

Ryobi



- From the *Apply Params to* menu, select **Ryobi**. Select the appropriate *Press Type* and fill in the field of *Press Number* (mandatory*).*

  InkPRO generates ***.dem*** files for *Ryobi.*

B CONFIGURATION OF THE IP ADDRESS ON THE HP IMPROOF DEVICE

InkPRO version 2.0 lets you output the ink management data directly to a connected Improof device. This allows you to print the calculated ink values in each zone on the imposition proof itself.

In order to transfer the data, you must choose your connection type to the improof device: via parallel port or TCP / IP network:

- **Parallel connection** - via parallel port.

  For this option, a Creative CPI / PCI parallel port board for the Macintosh is required.

- **Network connection** – via TCP / IP network.

  - For connection of an HP Improof, an HP Jet Direct board must be installed in the Improof.
  - The Improof must be connected to the network and have an IP address. Perform the following procedure to configure the IP address details on the Improof. Use the up / down arrow keys to select the required options.

    1. Start with the screen displaying:
       Status: READY.
       Press **Enter**.
    2. Use the up / down arrow keys to locate
       I / O SETUP.
       Press **Enter**.
    3. Use the up / down arrow keys to locate
       MODULAR.
       Press **Enter**.
    4. Use the up / down arrow keys to locate
       CFG NETWORK = NO.
       Press **Enter**.
    5. Use the up / down arrow keys to locate
       YES.
       Press **Enter**.

6. Use the up / down arrow keys to locate TCP / IP->ON; if not ON, press **Enter** and use the up / down arrow keys to locate ON. Press **Enter** again.
7. Use the up / down arrow keys to locate CFG TCP / IP = NO->. Press **Enter**.
8. Use the up / down arrow keys to locate YES. Press **Enter**.
9. Use the up / down arrow keys to locate IP BYTE 1 = xxx->. Press **Enter**.
10. Use the up / down arrow keys to locate the first part of the IP address (3 digits) and press **Enter**.
11. Repeat steps 7 to 10 for the remaining three parts of the IP address (an example of an IP address: 149.115.87.81).
12. Repeat steps 7 to 10 for the four parts of the SM mask (f.e. 255.255.254.0).
13. Press **PREV** until you return to Status: READY.

C PREPARING PS/2 FILES

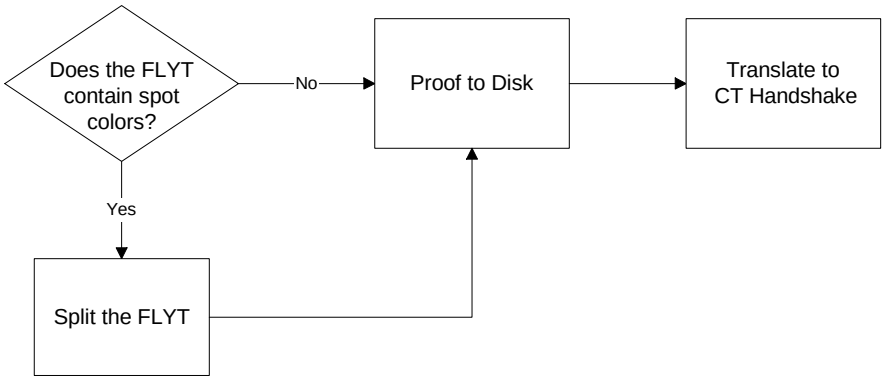
To prepare PS/2 files for processing with ***InkPRO***, you must have a PS/2 with the **Proof configuration** enabled, along with a license for **SuperCombine**. Once the Proof and SuperCombine options are enabled, exactly how you prepare the files for ***InkPRO*** depends on whether or not they contain spot colors.

To prepare FLYTs (or selected CT or LW files) with process colors only:

1. Proof the FLYT (or selected CT or LW) to disk.
2. Translate the resulting file into the CT HandShake format. See *page C-2* for detailed instructions.

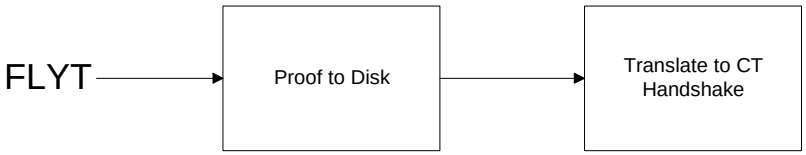
To prepare a FLYT with spot colors for *InkPRO*:

1. Perform the *Split the FLYT* operation.
2. Take the files that result from the Split the FLYT operation and Proof them to Disk. (If your final output does not require all of the files in the FLYT, you may perform the Proof to Disk operation on selected NewCT and NLW files).
3. Take the files that result from the Proof to Disk operation, and translate them into the CT HandShake format. See *page C-4* for detailed instructions.



Preparing PS/2 FLYTs with Process Colors Only

This section provides detailed instructions on preparing FLYTs that contain process colors only, for ***Creo InkPRO***. First you proof the FLYT to disk, and then you translate the resulting file into the CT HandShake format that is supported by ***Creo InkPRO***. (Please note that you can also perform this procedure on a selected CT or LW file).



Tip: To automate the workflow, create a script. See the *PS/2 User Guide* for details.

To perform the proof to disk operation on a FLYT that has process colors only:

1. On the PS/2, from the *Library* menu, select **Start Work**.
2. From the *Library* window, select a FLYT; the *Final Layout Options* dialog box is displayed.
3. From the *Final Layout Options* dialog box, click **Proof**; the *Send Image to the Proofer* dialog box is displayed.
4. In the *Send Image to the Proofer* dialog box, define the following parameters:
   - Proofer Name: **Disk**
   - Scale Factor H: **0.166** W: **0.166**
   - Setup File Name: **No Color**
   - Output File Name: Define any name you like, but to avoid overwriting an existing file, make sure that a file with the same name doesn't already exist.
   - Label: **No Label**

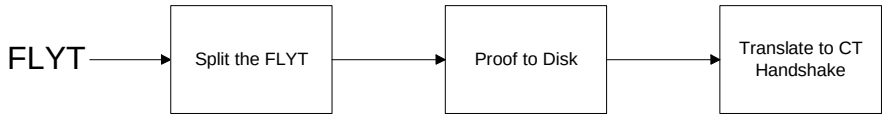
   See the *PS/2 User Guide* for information on customizing the defaults.
5. Click **Proof**; a single CT file containing all of the color data is created.

To convert the PS/2 CT files generated by the Proof to Disk operation, into CT HandShake files:

1. From the *Library* menu, select **Translate**.
2. From the *Library* window, select the CT file that resulted from the *Proof to Disk* operation.
3. Click the **Trans to** button.
4. Select the Translation Format: HS option.
5. Click the **Translate** button; the file is converted into the CT HandShake format. The filename remains the same, but notice that the file type has changed.

Preparing PS/2 FLYTS with Spot Colors

When preparing FLYTs that contain spot colors, for processing with ***Creo InkPRO***, you begin by performing the Split the FLYT operation. This operation generates one FLYT per separation. Next, you take the files that result from the Split the FLYT operation, and proof them to disk. (If your final output does not require all of the files in the FLYT, you may perform the Proof to Disk operation on the necessary CT and NLW files, only). Finally, you take the files that result from the Proof to Disk operation, and translate them into the CT HandShake format that is supported by ***Creo InkPRO***.



To split the FLYT that contains spot colors:

1. On the PS/2, from the *Library* menu, select **Start Work**.
2. From the *Library* window, select a FLYT (e.g. *filename_F*); the *Final Layout Options* dialog box is displayed.
3. From the *Final Layout Options* dialog box, click **Split**; one new FLYT is generated per separation.

   The resulting FLYTs follow the following naming convention: *filename_c, filename_m, filename_y, filename_k, filename_S* (for the first spot separation), *filename_S1* (for the second spot separation), *filename_S2* (for the third spot separation), etc.

   If you are working with multi-page files, the page number is inserted after the underscore (e.g. *filename_pagenumber*c).

To perform the proof to disk operation on the FLYTs generated by the Split the FLYT operation:

- *Begin by proofing the LW files that contain **process color** information:*

1. From the *Library* menu, select **Start Work**.
2. In the *Library* window, from the list of files generated by the Split to FLYT operation, select one of the process color LWs; the *LW Options* dialog box is displayed.
3. From the *LW Options* dialog box, click **Proof**; the *Send Image to the Proofer* dialog box is displayed.
4. In the *Send Image to the Proofer* dialog box, define the following parameters:
   - Related Files: **Yes**
   - Proofer Name: **Disk**
   - Scale Factor H: **0.166** W: **0.166**
   - Setup File Name: **No Color**
   - Output File Name: ***Filename*_CMYK**
   - Label: **No Label**

   See the *PS/2 User Guide* for information on customizing the defaults.
5. Click **Proof**; since the *Related Files* field value is set to *Yes*, a single CT file that contains the data for all 4 process colors is generated.

➢ Continue by proofing each LW file that contains **spot color** information:

6. Go back to the *Library* window, and from the list of files generated by the Split to FLYT operation, select the FLYT that corresponds to the first Spot Color; the *Final Layout Options* dialog box is displayed.

7. From the *Final Layout Options* dialog box, click **Proof**; the *Send Image to the Proofer* dialog box is displayed.

8. In the *Send Image to the Proofer* dialog box, define the following parameters:

   - Related Files: **No**
   - Proofer Name: **Disk**
   - Scale Factor H: **0.166** W: **0.166**
   - Setup File Name: **No Color**
   - Output File Name: ***Filename*_S**

     (The output file name for the second spot color must be ***Filename*_S1**, for the third spot color ***Filename*_S2**, for the fourth spot color ***Filename*_S3**, etc.)

   - Label: **No Label**

   See the *PS/2 User Guide* for information on customizing the defaults.

9. Click **Proof**; a CT file that contains information on the selected spot color is created.

10. Repeat *steps 6-9* to generate the necessary CT file for each additional spot color.

To convert PS/2 CT files generated by the Proof to Disk operation, into CT HandShake files:

1. From the *Library* menu, select **Translate**.
2. From the *Library* window, select one of the CT files generated by the *Proof to Disk* operation.
3. Click the **Trans to** button.
4. Select the Translation Format: HS option.
5. Click the **Translate** button; the file is converted into the CT HandShake format. The filename remains the same, but notice that the file type is changed.
6. Repeat *steps 1-5* as necessary, until all of the CT files are translated.

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