Table of Contents

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1. Installing the Software

Before you begin installing the software, read the hardware requirements below. For optimal performance we suggest that your system meet the recommended requirements. As with all computer software, systems with faster processors, more RAM, and greater amounts of storage space allow you to work with larger files and keep your processing time to a minimum.

Recommended System Requirements

	Windows
Processor	Pentium II 350 MHz
RAM	256 MB
Install Space	200 MB
Working Disk Space	4 GB
Operating System	Windows 98/ME/NT4.0/2000/XP
Video	800x600 resolution monitor with 16 bit color
Other	CD-ROM drive or DVD drive Free USB or LPT port for hardware key Available port for output device

📄 Windows NT 4.0 requires Internet Explorer 5.X or greater & Service Pack 4 or higher.

Installation Procedures

Installing a Hardware Key

The software will not run without a hardware protection key, also known as a dongle. The hardware key protects the software from being unlawfully copied and must be connected to your computer whenever you use the software.

There are two types of hardware keys: Parallel and USB keys.

Parallel key   *USB key*

📄 Only the server requires a hardware key; client workstations do not.

1. Turn off your computer.

2. Plug the hardware key into the port (USB, or parallel).

3. Turn on your computer.

📄 When using parallel port keys, we recommend that you plug your output device and key into separate parallel ports.

Installing the Software

Follow these steps to install the software:

📄 If you're installing on a PC running Windows NT/2000/XP, you must have Administrator privileges. See your Windows user guide for details.

1. Uninstall any previous version of the software.

2. Insert the Installation CD.

3. Select a language and then click **OK**.

4. Enter your user number and password and then click **Next**. The User number and password can be found on the product hardware key.

5. Select the product and language to be installed and then click **Next**.

6. On the Welcome screen, click **Next** to continue.

7. Click **Yes** to view the **Readme** file.

   📄 The Readme file contains last-minute issues and information that are not included in this documentation.

8. Read the Software License Agreement and click **Yes** to accept.

9. Select the components of the software that you want to install. You may also change the folder the software will be installed into. Click **Next**.

10. Select the **Start** menu folder where the shortcut for the software will appear. By default, a new folder will be created for the product. Click **Next**.

11. Select whether additional shortcuts for the software will be created:

    a. Check **Install to desktop** to install a shortcut for the software on the desktop.

    b. Check **Install to startup items** to install a shortcut for the software in the **Startup** folder of the **Start** menu. If this is done, each time the computer starts up, the software will automatically start up and minimize itself, displaying an icon in the system tray of the Windows Taskbar.

    c. Click **Next**.

12. Click **Next** to start copying files.

13. Click **Yes** to clear the preferences.

14. When prompted, remove the Installation CD and insert the ICC Profiles CD. Click **OK**.

15. Select the printers you want to install color profiles for then click **Next**.

16. Select **Yes** and click **OK** to restart your computer.

By default, the installation program places a shortcut to the software in the **Startup** folder of the Windows Start menu. Each time Windows starts up, the software will automatically be loaded and minimized, and its icon will appear in the System Tray area of the Windows Taskbar.

To prevent the software from being loaded automatically, delete the shortcut in the **Startup** folder.

To shut down the software, right-click on the icon in the system tray and select **Exit**.

Uninstalling the Software

1. Exit your software by selecting **Exit** from the **File** menu, or by right-clicking on the software icon in the system tray and selecting **Exit**.

2. In the Windows Control Panel, double-click the **Add/Remove Programs** icon.

3. Select your software from the list and click the **Change/Remove** button.

4. Click **OK** when finished.

5. Delete the folder on your hard drive that the software was installed into (**C:\Program Files\[Software]**, for example), then empty the Windows recycling bin.

Setup Procedures

Setting Up Output Devices

When you first run the software you are prompted to add a setup for an output device.

See "Setting Up Output Devices" page 25 for details.

Maintenance

Clear Preferences

Clear Preferences is a utility that removes all output device setups and returns the software to its default settings. It is particularly helpful when troubleshooting any problems you may encounter with your software.

To clear the preferences stored in your system:

1. Exit the software.

2. Browse through the Windows **Start** menu to the folder for the software and click on the **Clear Preferences** utility.

3. Select **Yes** when you are asked if you would like to clear your preferences.

Install Password

The Install Password utility helps you manage the different passwords that come with the software. After you have installed the basic program with your main password, you should then launch the Password Installer to add any additional passwords you may have.

Application Password - This is your main application password for software.

Option passwords- If you have purchased additional options, you may enter the option passwords to this field to upgrade your software.

📄   Make sure that the software is not running when you add a new password.

To add additional passwords:

1. Browse through the Windows **Start** menu to the folder for the software and click on the **Install Password** utility.

2. Add your additional passwords to the optional password section by clicking the **Add** button, and entering the password into the dialog.

3. When you have finished, your password should appear in list in the optional password field.

2. Preparing the Software to Receive Jobs from Clients

Before configuring remote clients you must complete a few basic steps to prepare your computer. The exact steps will depend on which operating system the computer uses. Please refer to the appropriate section for your configuration.

If you will be printing from Macintosh clients, you must configure your operating system to recognize the AppleTalk network protocol.

File and Printer Sharing Setup

File and Printer Sharing may already be set up on your system. If not, follow these steps to prepare your system for file and printer sharing.

File and Printing Sharing Setup for Windows 98 and Windows NT 4.0

1. Click on **Start** then select **Settings** then click on **Control Panel**.

2. Double-click on the **Network** icon.

3. Click on the **File and Print Sharing** button under the **Configuration** tab.

4. Place checkmarks in both option boxes in the **File and Print Sharing** screen then click **OK**.

5. You will now see **File and Printer Sharing for Microsoft Networks** in the **Network** screen. Click **OK**.

6. Reboot as directed.

File and Printing Sharing Setup for Windows 2000

1. Click on **Start** then select **Settings** then click on **Network and Dial-up Connections**.

2. Right-click on the **Local Area Connection** icon and then click on **Properties**.

3. Click on the **Install** button under the **General** tab.

4. Select **Service** in the Select Network Component screen then click on the **Add** button.

5. Select **File and Printer Sharing for Microsoft Networks** in the **Select Network Service** screen. Click **OK**.

6. You will now see **File and Printer Sharing for Microsoft Networks** in the **Network** screen. Click **Close**.

File and Printing Sharing Setup for Windows XP

1. Click on **Start** then click **Control Panel.**

2. If the Windows XP Control Panel is set to Classic View, double-click **Network Connections**. Otherwise, click on the **Network and Internet Connections** icon in the Control Panel. Then click on the **Network Connections** icon.

3. Double-click on the **Local Area Connection** icon and then click on **Properties**.

4. Click on the **Install** button under the **General** tab.

5. Select **Service** in the Select Network Component screen then click on the **Add** button.

6. Select **File and Printer Sharing for Microsoft Networks** in the **Select Network Service** screen. Click **OK**.

7. You will now see **File and Printer Sharing for Microsoft Networks** in the **Network** screen. Click **Close**.

Installing the AppleTalk Protocol

The software can receive Macintosh jobs if the AppleTalk protocol is enabled.

Windows 98 and Windows XP do not support the AppleTalk protocol, so servers running those operating systems will not be able to receive jobs from Macintosh clients. If you have Macintosh clients on your network, you should install the software on Windows NT or Windows 2000 operating systems..

Installing the *A*ppleTalk Protocol on Windows NT Workstation

1. From the **Start** menu select **Settings**, and **Control Panels**. Double-click on the **Network** icon.

2. Select the **Protocol** tab and click the **Add** button.

3. Select **AppleTalk Protocol** from the list.

4. Follow the on screen instructions to install the AppleTalk protocol. You will be asked to insert your Windows NT CD.

5. Restart your computer.

Installing Services for Macintosh for Windows NT Server

1. From the **Start** menu select **Settings**, and go to **Control Panels**. Double-click on the **Network** icon.

2. Click on the **Services** tab.

3. Click the **Add** button and select **Services for Macintosh** from the list.

4.   Follow the on-screen instructions to enable Services for Macintosh. You will be asked to insert your Windows NT CD.

5.   Restart your computer.

Installing the AppleTalk Protocol on Windows 2000

1.   From the **Start** menu select **Settings**, and **Control Panels**. Double-click on the **Network and Dial-Up Connections** icon.

2.   Right-click on the **Local Area Connection** icon and select **Properties**.

3.   Click the **Install** button.

4.   Select **Protocol** and click on the **Add** button.

5.   Select the AppleTalk protocol and click on the **OK** button.

6.   Click on the **Close** button.

7.   Restart your computer.

Creating Shared Macintosh Volumes (Windows NT Server, Windows 2000 Server, and Windows XP Server only)

If you are planning to drag jobs from Macintosh clients into hot folders, then you will need to create Macintosh shared volumes on the server.

1.   Open File Manager and select the hot folder.

2.   From the **Macintosh File** menu, select **Create Volume**.

3.   Enter a volume name and share it.

Setting Up Clients

There are two types of clients: Windows and Macintosh. Setting them up to send jobs to the server consists of setting up AdobePS to transmit the job to the shared print queues on the server.

AdobePS must be set up for each output device setup on the server.

For instructions on preparing the server to receive jobs from clients, see "Preparing the Server to Receive Jobs from Clients" page 5.

Windows Client Setup

📄   If your client machine is running Windows NT/2000/XP, make sure you have administrative privileges before installing.

1.   Insert the installation CD.

2.   Browse the installation CD and open the **AdobePS** folder. Open the **AdobePS** folder and double click **winsteng.exe**.

3. Follow the on screen installation instructions to install the PostScript printer driver:

   a. In the **Welcome** screen, click **Next**.

   b. Click **ACCEPT** to accept the end user license agreement.

   c. Select **Install a new PostScript printer** and click **Next**.

   d. Under **Printer Connection Type**, select **It is connected to your network (Network Printer)** and click **Next**.

   e. Type the network path of the shared printer queue on the server into the space provided, or click **Browse** to select the queue by browsing the network. When finished, click **Next** to continue.

   f. Under **Do you want to use this printer as your default printer?** and **Would you like to print the test page?**, select **No**. Click **Next** to continue.

   g. Clear the **Yes, I want to read the ReadMe file** box and click **Finish** to finish the PostScript driver installation.

   h. After you have finished installing, select **Yes, I want to restart my computer now** and click **Finish** to restart your computer.

Client applications on this computer will now be able to send jobs to the server for processing and printing.

Macintosh Client Setup

📄 Macintosh clients can only be installed if the AppleTalk protocol is installed on the server. AppleTalk is only supported on Windows NT and Windows 2000. See "Installing the AppleTalk Protocol" on page 6 for details.

Installing the PostScript driver on Macintosh

1. Open the Installation CD.

2. In the Adobe PS 8.7 folder, double-click the **install** icon.

3. Follow the on-screen instructions.

Configuring Macintosh Clients:

1. From the Apple Menu select **Chooser**.

2. Set **AppleTalk** to **Active**.

3. Select the **AdobePS** icon.

4. Select the output device or hot folder broadcast on the network. In some cases two broadcast devices may appear in the list. One device may just appear with the output device name, the other device will appear with the output device "name@computer". You should select the device with the @ symbol in the name.

5. Click the **Setup** button.

6. Click the **Select PPD** button and browse the Installation CD for the correct PPD for your output device.

7. Close the Chooser.

8. From the Print dialog of the design application select the correct output device.

9. Choose **Background Printing** and set it to **Foreground**. The software will not function properly if it is set to **Background**.

3. Getting Started With PhotoPRINT Server

Basic Elements of your Software

The following are some of the basic elements in your software:
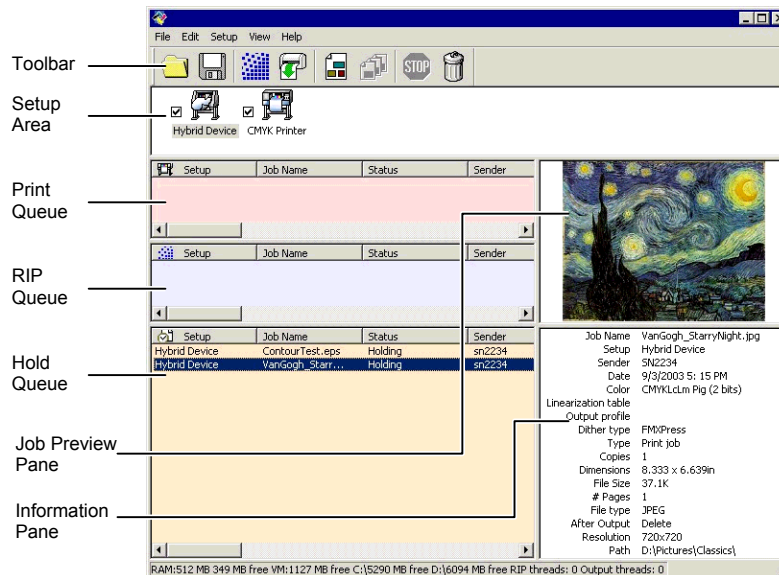
Queues

In PhotoPRINT Server, files progress through three queues during the course of processing.

Hold Queue   This queue lists all jobs that have been sent to the server but have not yet been moved to other queues. It is a holding place for jobs before they are processed.

RIP Queue   This queue lists the jobs that are being RIPed, or have finished RIPing.

Print Queue   This topmost queue holds jobs that are in the process of being printed. Printed jobs are automatically deleted from the queue.

Queue Column Headings

Note the column headings at the top of each queue:

Setup   The name of the device to which the file will be output.

Job Name	The name of the file, followed by its internal PostScript name in parentheses.
Status	The current status of the job.
Sender	The name of the computer that sent the job.
Dimensions	The physical dimensions of the job.
Copies	The number of copies to be printed.
File type	The format of the file.
File Size	The size of the file.
ICC	The ICC output profile selected to be used when outputting the job, if any.
Linearization Table	The linearization file to use when outputting this job.
Color	The color mode of the job.
After Output	What to do with the job after output.
Dither Type	The dither type selected to be used when outputting the job.
Type	The type of job: print or contour.
Date	The date and time the job was added.
# of pages	The number of pages in the job.
Resolution	The resolution at which the job will be output.
Path	The path to the folder the file is stored in.

Resizing Queues

To resize the queues, drag their borders with the mouse.

Resizing Columns

To resize the columns in a queue, drag the edges of the headers left or right.

Setup Pane

Each output device is represented by an icon in the setup pane.

Job Preview Pane

Double-clicking the job preview pane generates a preview of the selected job.

Information Pane

The information pane displays information about the selected job. See "Queue Column Headings" for descriptions of the information presented.

Toolbar

A toolbar is located at the top of the main window. It contains tools for the most commonly used functions.

To show or hide a toolbar, select **Toolbar** from the **View** menu.

The toolbar functions are:

|		
	Add Job	Adds a job to the selected output device.
	Save As	Saves the selected job to a file.
	RIP Job	RIPs the selected job, and leaves it in the RIP queue.
	Print Job	Prints the selected job to the specified output device, RIPing it if necessary.
	Nest	Nests the selected print jobs together so as to use the minimum amount of the output media.
	Unnest	Unnests the selected set of nested jobs.
	Abort	Stops selected file from RIPing or printing.
	Delete	Deletes the selected job or jobs.

Refreshing the Window

To refresh the view of the main window, from the **View** menu, select **Refresh**.

Horizontal vs. Vertical View

The software allows you to set the queues and panes in the main window to either a horizontal or vertical orientation.

To set the main window to a horizontal orientation, from the **View** menu, select **Horizontal View**.
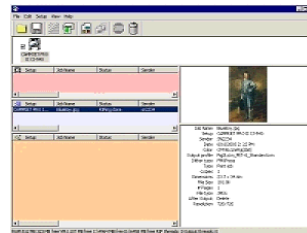
To set the main window to a vertical orientation, from the **View** menu, select **Vertical View**.
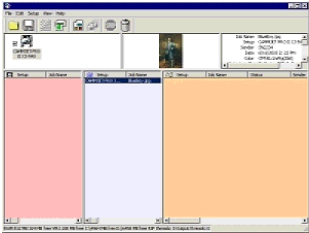
Entering Numerical Values

The software supports a number of unique features that make it easier to enter numerical values.

Using Spinner Controls

Spinner Control

Use the spinner controls to increase or decrease the value. When you click, or click and hold, the mouse on one of the arrows, the value is increased or decreased incrementally. Using the arrow keys on your computer's keyboard will have the same effect.

Using Built-In Arithmetical Operations

The software is able to perform a number of calculations whenever a numerical value is being entered.

Automatic Unit Conversion

If you enter a value using a different unit of measurement than the default unit, the software will automatically convert the value to the default unit.

For instance, if your default unit is inches, you can enter a value of **1 ft**, and the software will convert the measurement to **12 in**.

Supported units are:

in, "	inch
ft, '	foot
mm	millimeter
cm	centimeter
m	meter
pt	point

Calculation of Ratios

If you enter a ratio in the format **A:B**, the software will scale the previous value in the field by the ratio entered.

For instance, if a value is set to **12**, and you enter **2:3**, the new value will

Getting Started With PhotoPRINT Server

be **8**.

Calculation of Percentages

If you enter a percentage in the format **X%**, the software will scale the previous value in the field by the percentage entered.

For instance, if a value is set to **10**, and you enter **90%**, the new value will be **9**.

Simple Arithmetic Operators

If you enter a simple arithmetic expression, the software will calculate the result of the expression and enter that value in the field.

The available arithmetic operators, in order of precedence, are:

/   Division

*   Multiplication

+   Addition

-   Subtraction

For example, if you enter **1/8**, the value **0.125** will be calculated.

Operator precedence determines the order in which the arithmetic operations will be calculated when more than one operation is specified. In the previous list, operators are listed from top to bottom in order of operator precedence. For instance, if you enter **6/2*3**, the software will calculate **6/2** first then multiply the result by **3**, yielding a result of **9**.

Automatic Application of Entered Values and Arithmetic

Once you enter a numerical value, ratio, or arithmetic expression in a numerical field, the software will automatically apply that value after a brief delay. There is no need to select another field or click an "Apply" button in order to force a calculation or apply a new value to a job preview.

Setting Application Preferences

To set application preferences, from the **Edit** menu select **Preferences**.

The following settings are available:

Units	The units of measurement displayed.
Precision	The degree of precision to use with measurements.
Appearance	Click to change the background color for the Setup area, Print queue, RIP queue, and Hold queue. See "Changing Background Colors" page 17 for details.
Archive Path	The folder where archived jobs are saved.
Archive Format	The format that archived jobs will be stored in.

	Original job	Archives the image in its original file format. When you add the archived file back into the software, it will need to be RIPed again before printing.
	Native job	Archives the print data in the output device's native language. No preview information will be available. When you add the archived file back into the software, it will not need to be RIPed again before printing.

File Paths	Sets the folders which will be used for the following:

	Jobs	The folder that job files are stored in.
	Temporary files	The folder for temporary files that are created during the processing of jobs.

             📄 RIPing files requires a significant amount of storage space. If the drive on which the temp directory has only a small amount of storage space, you may want to consider relocating the temp directory to a drive with more available storage space.

RIP Band Height	Sets the band size that is processed during RIPing. Smaller values allow large files to RIP but will take longer to process.
Maximum number of RIP threads	Sets the number of jobs that can be RIPed at one time. One RIP thread is required for each file being RIPed, and one RIP thread is required to generate a preview for each file.
Print while RIPing	If this option is selected, the software will RIP and print the job simultaneously. RIPing and printing simultaneously may affect overall performance.
Allow remote Send Now/ Interactive	If this option is selected, the software will allow Send Now and Interactive operation from a remote design station.
Auto load preview on adding job	If this option is selected, a preview will automatically be generated for each job as it is added.

             📄 Activating this setting may slow the speed of loading jobs in the Hold Queue.

Save Master XML Descriptions	If checked, ICC profile data generated using the Color Profiler will be written to the Master XML file for that printer. If cleared, the ICC profile data will be written to the User XML file for that printer. See the *Color Profiler User Manual* for details.

Changing Background Colors

To change the background color for the setup area, print queue, RIP queue, and Hold queue:

1. From the **Edit** menu, select **Preferences**.

2. Click the **Appearance** button.
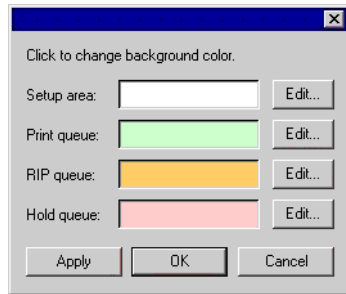
3. Click on the **Edit** button next to the area you want to color.
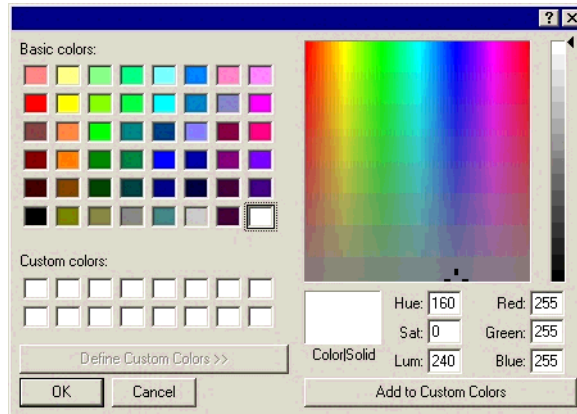
4. Choose a new color and click **OK**.

📄 Color changes are not saved until the Preferences dialog is closed with the **OK** button.

Using Job Monitor

Job Monitor provides another way for you to monitor the jobs being processed by the software. Job monitor allows you to observe the jobs being processed, but does not allow you to change the way the jobs are processed.

Starting Job Monitor

To start up Job Monitor, from the application folder in the Windows **Start** menu, select **Job Monitor**.

Choosing a Connection

You will be asked to choose which computer the software will monitor:
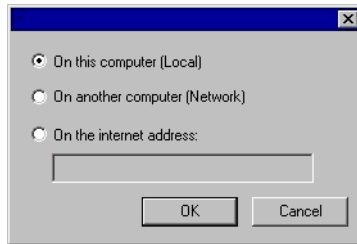
Monitoring Local Software

To monitor jobs running on the same computer as Job Monitor, select **On This Computer (Local)** and click **OK**.

Monitoring A Computer on the Same LAN

To monitor jobs running on another computer on your local area network:

1. Select **On another computer (Network)** and click **OK**.
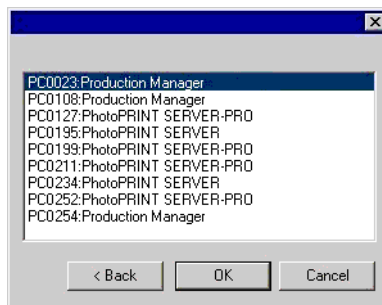
2. Select the computer you want to monitor and click **OK**.

Monitoring a Computer at a Remote Address

To monitor jobs running on a remote computer:

1. Select **On the Internet address**.

2. Enter the TCP/IP address or URL of the remote computer in the space provided.

3. Click **OK**.

Changing the Computer Being Monitored

To monitor a different computer instead, from the **File** menu, select **Connect**. You can then repeat the connection process and choose a different computer.

Monitoring Jobs

Job Monitor lists all jobs being run on the selected computer, along with the following information:

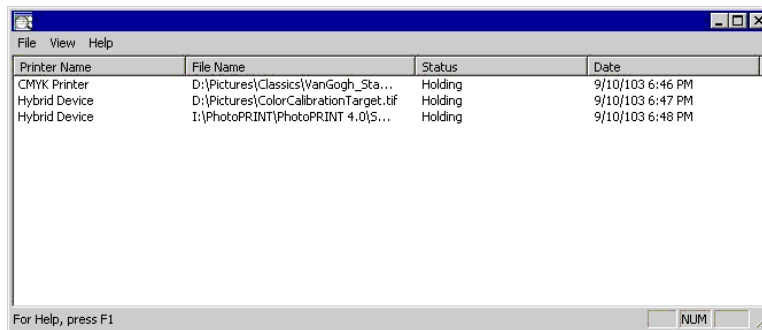|	
Printer Name	The name of the output device setup being used to print the job.
File Name	The path and filename of the file.
Status	The current status of the job.
Date	The date and time the job was added.

Exiting Job Monitor

To exit Job Monitor, from the **File** menu, select **Exit**.

Getting Help

From the **Help** menu, point to **Help Topics** to view the full online documentation for the software. The online help contains all of the information in this guide, plus information on all the other commands in your software.

Exiting the Software

By default, the software loads automatically each time the OS is restarted (using a shortcut in the Startup folder). The software is minimized after starting, and its icon appears in the System Tray area of the Windows Taskbar.

Clicking the **Close** button in the top right corner of the title bar ([×]) minimizes the software instead of closing it.

To exit the software, from the **File** menu select **Exit**, or right-click on the software icon in the system tray and select **Exit** from the context menu.

4. Getting Started With PhotoPRINT SE

Basic Elements of your Software

The following are some of the basic elements in your software:
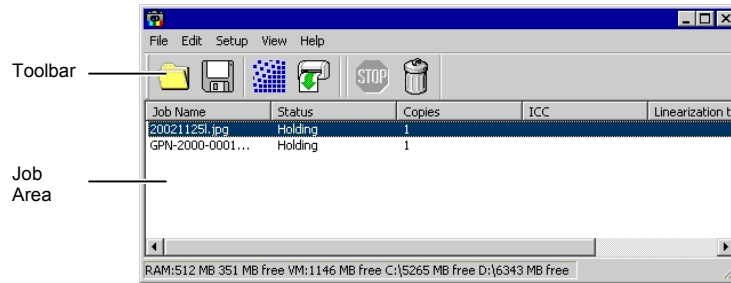
Column Headings

Note the column headings in the job area:

Job Name	The name of the file, followed by its internal PostScript name in parentheses.
Status	The current status of the job.
Copies	The number of copies to be printed.
ICC	The ICC profile to use when outputting this job.
Linearization Table	The linearization file to use when outputting this job.
Type	The type of job, print or contour.

Resizing Columns

To resize the columns in a queue, drag the edges of the headers left or right.

Toolbar

A toolbar is located at the top of the main window. It contains tools for the most commonly used functions.

To show or hide a toolbar, select **Toolbar** from the **View** menu.

The toolbar functions are:

	Add Job	Adds a job to the selected output device.
	Save As	Saves the selected job to a file.

	RIP Job	RIPs the selected job, and leaves it in the RIP queue.
	Print Job	Prints the selected job to the specified output device, RIPing it if necessary.
	Abort	Stops selected file from RIPing or printing.
	Delete	Deletes the selected job or jobs.

Refreshing the Window

To refresh the view of the main window, from the **View** menu, select **Refresh**.

Entering Numerical Values

The software supports a number of unique features that make it easier to enter numerical values.

Using Built-In Arithmetical Operations

The software is able to perform a number of calculations whenever a numerical value is being entered.

Automatic Unit Conversion

If you enter a value using a different unit of measurement than the default unit, the software will automatically convert the value to the default unit.

For instance, if your default unit is inches, you can enter a value of **1 ft**, and the software will convert the measurement to **12 in**.

Supported units are:

in, "	inch
ft, '	foot
mm	millimeter
cm	centimeter
m	meter
pt	point

Calculation of Ratios

If you enter a ratio in the format **A:B**, the software will scale the previous value in the field by the ratio entered.

For instance, if a value is set to **12**, and you enter **2:3**, the new value will be **8**.

Calculation of Percentages

If you enter a percentage in the format **X%**, the software will scale the

previous value in the field by the percentage entered.

For instance, if a value is set to **10**, and you enter **90%**, the new value will be **9**.

Simple Arithmetic Operators

If you enter a simple arithmetic expression, the software will calculate the result of the expression and enter that value in the field.

The available arithmetic operators, in order of precedence, are:

/	Division
*	Multiplication
+	Addition
-	Subtraction

For example, if you enter **1/8**, the value **0.125** will be calculated.

Operator precedence determines the order in which the arithmetic operations will be calculated when more than one operation is specified. In the previous list, operators are listed from top to bottom in order of operator precedence. For instance, if you enter **6/2*3**, the software will calculate **6/2** first then multiply the result by **3**, yielding a result of **9**.

Automatic Application of Entered Values and Arithmetic

Once you enter a numerical value, ratio, or arithmetic expression in a numerical field, the software will automatically apply that value after a brief delay. There is no need to select another field or click an "Apply" button in order to force a calculation or apply a new value to a job preview.

Setting Application Preferences

To set application preferences, from the **Edit** menu select **Preferences**.

The following settings are available:

Units	The units of measurement displayed.
Precision	The degree of precision to use with measurements.
RIP Band Height	Sets the band size that is processed during RIPing. Smaller values allow large files to RIP but will take longer to process.
Maximum number of RIP threads	Sets the number of jobs that can be RIPed at one time. One RIP thread is required for each file being RIPed, and one RIP thread is required to generate a preview for each file.
Print while RIPing	If this option is selected, the software will RIP and print the job simultaneously. RIPing and printing simultaneously may affect overall performance.
Allow remote Send Now/ Interactive	If this option is selected, the software will allow Send Now and Interactive operation from a remote design station.
Save Master XML Descriptions	If checked, ICC profile data generated using the Color Profiler will be written to the Master XML file for that printer. If cleared, the ICC profile data will be written to the User XML file for that printer. See the *Color Profiler User Manual* for details.

Getting Help

From the **Help** menu, point to **Help Topics** to view the full online documentation for the software. The online help contains all of the information in this guide, plus information on all the other commands in your software.

Exiting the Software

By default, the software loads automatically each time the OS is restarted (using a shortcut in the Startup folder). The software is minimized after starting, and its icon appears in the System Tray area of the Windows Taskbar.

Clicking the **Close** button in the top right corner of the title bar (⊠) minimizes the software instead of closing it.

To exit the software, from the **File** menu select **Exit**, or right-click on the software icon in the system tray and select **Exit** from the context menu.

5. Working with Output Device Setups

Setups provide the link between the software and your output devices. Each setup contains the following information:

- The type of output device being used.

- The method used to communicate with the device.

- Details of how incoming print jobs will be processed.

- The default job properties that will be applied to a new job.

PhotoPRINT SE allows only one setup to be in use at any given time. There is no Setup Pane, and the setup is always selected and active.

PhotoPRINT Server allows for multiple setups to be in use at the same time. It is possible to have more than one setup for each output device. This is useful because it allows you to configure each setup for a different purpose. You can have one setup for printing proofs, and another for final output, for instance. You can also have different setups for different output media.

Changing/Adding New Setups

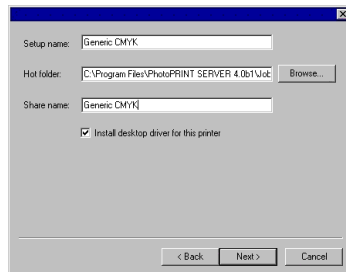To change the setup in use or add new setups:

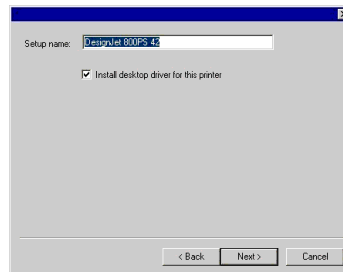1. From the **Setup** menu, select **Change Setup** or **Add Setup**.
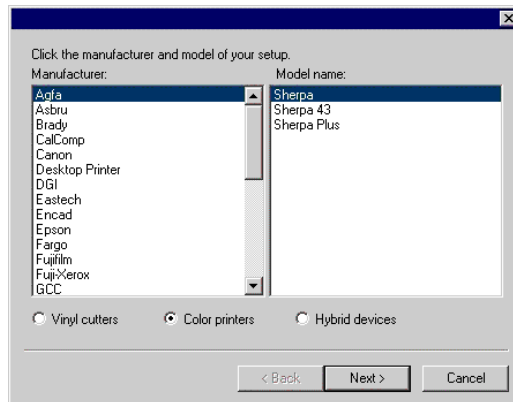
2. Select the type of device being set up.

    📄 Vinyl cutters are only supported as part of a "virtual hybrid". See "Using a Printer and Cutter as a Virtual Hybrid" page 83 for details.

---

3.   Select the **Manufacturer** and **Model Name** of the output device from the list.

4.   Click **Next**.

PhotoPRINT Server   *PhotoPRINT SE*

5.   Edit the **Setup name** and **Share name** of the device.

 📄   **Share Name** is not present in PhotoPRINT SE.

6.   Click **Browse** to change the location of the hot folder that the software will use to store the job files for this device, if necessary.

 📄   The **Hot Folder** field and **Browse** button are not present in PhotoPRINT SE.

7.   Check **Install desktop driver for this printer** to make the device available to other programs on your computer as a standard printer.

8.   Click **Next**.

9.   Select the **Port** the output device uses for communication. If necessary, edit the communications settings for the chosen port. See "Editing Setup Properties" page 27 for details on the communications settings.

 📄   If **TCP/IP** is available for the network output device, use **TCP/IP**. If not, you should choose **LPR** or **FTP**.

10. Click **Finish**.

Setting Up Desktop Printers as Output Devices

To set up a conventional printer as an output device:

1.   Add the printer to the computer as a standard Windows printer.

2.   When creating the setup in the software, select **Desktop Printer** under **Manufacturer**, then select the print queue for the desktop printer under **Model name** and click **Next**.

 📄   The **Port** list will be disabled.

3.   Click **Finish**.

Selecting a Setup

To select a setup, highlight its icon in the Setup Pane. Only one device can be selected at any time.

Activating Setups

An *active setup* is a setup that is ready to output jobs.

To make a setup active, do one of the following:

- Check the box next to its icon in the Setup Pane.

- Select the setup icon, then from the **Setup** menu, select the **Make Active**.

- Right-click on the setup icon and select **Make Active** from the context menu.

Deleting Setups

To delete a setup, do one of the following:

- Select the setup icon in the Setup Pane and click on the **Delete** button in the toolbar.

- Select the setup icon in the Setup Pane, then from the **Edit** menu, select **Delete**.

- Select the setup icon in the Setup Pane and press the **Delete** key on your keyboard.

- Right-click on the setup icon in the Setup Pane and select **Delete** from the context menu.

Deleting a setup will also delete all jobs associated with the setup.

Editing Setup Properties

To edit the setup properties associated with a particular output device, do one of the following:

- Right-click the setup icon in the Setup Pane and select **Properties**.

- Select the setup icon in the Setup Pane, then from the **Setup** menu, select **Setup Properties**.

- Double-click the setup icon in the Setup Pane.

Job Workflow Tab

The Job Workflow tab displays information about the output device, media size.

Setup name	Name of the setup.
Hot folder	The folder that the software will use to store job files for this output device.
Share Name	The share name assigned to the setup.
Send	For jobs that contain both a printed image and a contour cut, this control selects what will be output:

Print and Contour	Prints the job then cuts the contour
Print Only	Only prints the job.
Contour Only	Only cuts the contour.

After Receive	Sets what to do with jobs after they are received:

Hold	Places jobs in the Hold Queue.
Auto Start	Begins processing jobs immediately.

	Schedule	Outputs jobs at the time specified in the **Output Time** field.

Output Time	If **Schedule** is selected, this field allows you to enter the time at which the queued jobs will begin to be processed.
Rotate image to fit media	If checked, the image will automatically be rotated to better fit the dimensions of the output medium if needed.

Communication Tab

The **Settings** section of this tab changes depending on the port used to connect to the output device.

Ports are listed in order of popularity for each device. Only the ports that are usable by the output device are listed.

The standard port for the device is selected by default. Some of the port settings may still need to be entered or edited, however.

Port Select the port to which the output device is connected. The port list is limited to the ports that are actually present on your computer and usable with your output device.

LPT		Parallel port is the most common method to connect printers to the computer. The following settings are available:
	Transmission buffer	The size of the transmission buffer in bytes

Check port state before sending	If checked, the software will send a data packet to the printer to test if the printer is connected before beginning to print the job.
Use standard LPT driver	Whenever possible, the software uses a custom LPT driver to increase the performance of the LPT port.
	If checked, the software will use the standard Windows LPT driver instead. Performance will be diminished, but reliability may be enhanced.
	The following settings are enabled when the custom driver is in use:

	Mode	Use **ECP** (Enhanced Capabilities Mode) for the fastest possible transmission speed. **EPP** (Enhanced Parallel Port) is not as fast, but may be more compatible.
	ECP uses DMA	Using DMA with ECP can increase the maximum bit rate from 2 mbps to 4 mbps.
	Yield if device is busy	If checked, the software will release the extra system resources used by the custom driver while the printer is busy. This may aid overall performance.

TCP/IP	Use this port if your output device supports network connection.	
	TCP/IP address	The TCP/IP address of the output device (required).
	Port Number	The port number used for printing to the output device. Select from the list or enter a custom number.

USB/ FireWire	USB/FireWire drivers are provided with output devices that support them. Please make sure the proper drivers are installed when using these ports.
LPR	Some network devices do not work with TCP/IP and only with LPR protocol.

Host name or IP address	The host name or IP address assigned to the output device (required).	
Printer/ queue name	Depending on the output device, this can either be the printer name, such as **PR1**, or it can be the path to a UNIX print queue. See **FTP** listing above for common printer names.	

FTP Output devices that connect directly to a network may support FTP protocol. This allows the RIPed output file to be sent to the output device via FTP.

Host name or IP address	The host name or IP address assigned to the output device (required).	
Printer/ queue name	Depending on the output device, this can either be the printer name, such as **pr1**, or it can be the path to a UNIX print queue. Common printer names include:	

HP JetDirect EX	raw
HP JetDirect EX Plus 3	raw1, raw2, raw3
HP JetDirect 600N	Port1
Intel Netport Express 10/100	LPT1_PASSTHRU
Intel Netport Express Pro	LPT1_PASSTHRU, LPT2_PASSTHRU, COM1_PASSTHRU
Axis	pr1, pr2, pr3
Linksys	P1, P2, P3
Hawking	lp1, lp2, lp3

FILE The **File** port allows you to save the output data as a file. The following settings are available:

Prompt for file path for each file	If checked, you will be prompted to provide a filename for the output file when each job is saved to a file.

	Use custom extension	If checked, enter the file extension you want to use for the output file in the space provided.
	Default Location	The default folder in which output files will be placed. Click **Browse** to select a folder.
SCSI	Use this port if your output device supports SCSI connection.	
Folder	Outputs to a file in the specified folder using a naming convention specific to the output device.	
COM	Serial communications port. This port is only supported by cutters.	
	In addition to the standard serial port controls for bits per second, data bits, parity, stop bits and hardware/software flow control, there are checkboxes which enable/disable the following wires:	
	DTR	Data Terminal Ready
	DSR	Data Set Ready
	RTS	Request To Send
	CTS	Clear To Send
	DCD	Data Carrier Detect

Automatic Nesting Tab

The Automatic Nesting tab allows you to set the automatic nesting options for the software.

See "Nesting Jobs" page 65 for details.

Setting Default Job Properties

The **Job Defaults** button allows you to set the default job properties for this setup. All jobs that are manually added to this setup will inherit the default job properties. Jobs sent from a client application will use the job properties set in the client application.

This is useful because it allows you to create multiple specialized setups for each output device. One setup might have the default settings for a proof copy, for instance, while another might be preset for final output. Using multiple setups this way prevents you from having to change the job properties for each stage of each job.

You can also set the default job properties by clicking the **Save as Default** button in the Job Properties dialog.

For details on job properties, see "Setting Job Properties" page 40.

Working with Output Device Setups

Using Output Size Compensation

Output Size Compensation allows you to measure slight variations in output size and compensate for them.

To use Output Size Compensation with a given setup:

1. Select the output device setup.

2. From the **Setup** menu, select **Output Size Compensation**.
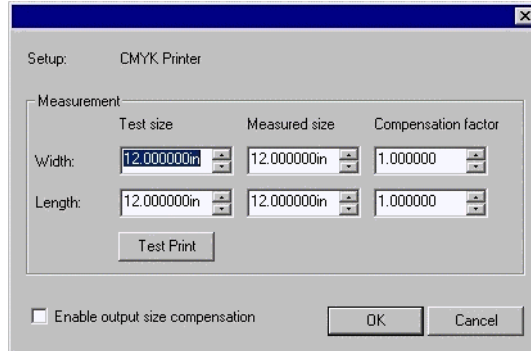
3. Enter the **Width** and **Length** of the test print you want to output under **Test size**. For best results, the print should be as large as possible while still fitting onto the output medium.

4. Click **Test Print**.

5. Measure the actual size of the test print and enter the **Width** and **Length** of the test print under **Measured size**.

   📄 The software automatically calculates the compensation factors that will scale the output size to compensate for the difference between the test size and the measured size.

6. Check **Enable output size compensation** to automatically scale all future output from this setup using the compensation factors derived from your measurements.

7. Click **OK**.

You must set up Output Size Compensation separately for each output device setup. Output size compensation does not affect the size of the job as it appears in the Job Properties dialog.

6. Working With Print Jobs

Adding New Jobs

Jobs can be sent to the software in a number of different ways.

Adding Jobs from a File

To add a file as a new job:

1. Select the setup you want to use to print the file.

2. From the **File** menu, select **Add Job**.

3. Select the file to be added and click **Open**.

See Appendix A for the list of supported file types.

Copying the File to the Hot Folder

Each output device that has a setup in the software has a *hot folder*. The hot folder is used to store all the files that are queued up for that output device. By default, hot folders are installed in the **C:\Program Files\[Software]\Jobs** folder.

The software continuously monitors each hot folder. Whenever a job is copied or moved into a hot folder, it will automatically be added to the Hold Queue.

The file must be of a supported file type. See Appendix A for the list of supported file types.

Dragging a File into the Software

Dragging a file into the software will automatically add it as a print job. The file must be of a supported file type. See Appendix A for the list of supported file types.

Dragging a File into PhotoPRINT Server

Dragging a file into the software will automatically add it to the queue it is dragged into. The print job will be assigned to the setup selected in the Setup Pane.

To specify the setup to be used, drag the file onto the appropriate setup icon in the Setup Pane. The job will appear in the Hold Queue, assigned to that setup.

Dragging a File into PhotoPRINT SE

Dragging a file into the software will automatically add it to the list of jobs in the Job Area. The job will be assigned a status of **Holding**.

Sending Jobs from Applications on the Same Computer

The job can be sent from another application running on the same computer as the software by selecting the software as a network printer.

Sending Jobs from an Application on a Client Computer

The job can be printed directly from a client computer that has been configured to use the software as a network printer.

Selecting Jobs

To select a job, click on its listing.

Multiple jobs can be selected using the standard Windows **CTRL** and **SHIFT** methods:

- Hold the **CTRL** key to select multiple individual jobs.

- Hold the **SHIFT** key to select a range of jobs by clicking on the first and last jobs in the range.

To select all the jobs, from the **Edit** menu select **Select All**.

Setting Job Properties

The Job Properties dialog allows you to edit a large number of settings that control how a job will be output.

See "Setting Job Properties" page 39 for details.

Processing Jobs

Once the server receives a job, it can be RIPed and printed.

Moving jobs to a Different Output Device

To move a job to a different output device setup, do one of the following:

- Select the job and select **Move** from the **File** menu, then select the new setup and click **OK**.

- Click and drag the job onto the icon for the new output device's setup in the Setup Pane.

RIPing Jobs

To RIP a job, do one of the following:

- Select the job and from the **File** menu, select **RIP**.

- Drag the job into the RIP Queue with the mouse. Once a job is moved into the RIP Queue, it will automatically be RIPed if it has not been RIPed previously.

- Right-click the job and select **RIP** from the context menu.

Jobs in the RIP Queue will process in the order of the Job Priority setting in their Job Properties. When multiple jobs with the same priority are waiting in the queue, the job that was received first will process first.

Printing Jobs

To print a job, do one of the following:

- Select the job and from the **File** menu, select **Print**.

- Right-click the job and select **Print** from the context menu.

- Drag the job into the Print Queue with the mouse. Once a job is moved into the Print Queue it will be automatically be RIPed if it has not been RIPed already. It will then automatically be printed on the appropriate device.

Jobs in the Print Queue will process in the order of the Job Priority setting in their Job Properties. When multiple jobs with the same priority are waiting in the queue, the job that was received first will process first.

Aborting the Processing of a Job

To abort the processing of a job while it is being RIPed or printed, do one of the following:

- Select the job and from the **File** menu, select **Abort**.

- Select the job, then click on the **Abort** button in the toolbar.

- Right-click the job, then select **Abort** from the context menu.

- Drag the job back into the Hold Queue with the mouse.

If a job is aborted while being RIPed, its status is set to Aborted. It will need to be RIPed again before it can be printed.

If a job is aborted while being printed, its print status freezes at 0%.

Deleting Jobs

To delete a job, do one of the following:

- Press the **Delete** or **Backspace** key on your keyboard.

- Select the job and from the **Edit** menu, select **Delete**.

- Select the job, then click on the **Delete** button in the toolbar.

- Right-click the job, then select **Delete** from the context menu.

Outputting Test Jobs

The software allows you to output print and/or contour cut test jobs to appropriate output devices.

Outputting a Test Print Job

To print a test job:

1. Select the setup you want to send the test job to.

2. From the **Setup** menu, select **Test Print**.

Outputting a Test Cut Job

To output a test cut job:

1. Select the setup you want to send the test job to.

2. From the **Setup** menu, select **Test Cut**.

Using RIP Logs

Each time a job is RIPed, an entry for that job is added to the RIP Log for that output device. The RIP Log entry lists the relevant details about the job: where it came from, its basic characteristics, what job properties were set, and the RIP time.

Viewing RIP Logs

To view the rip log for a given output device:

1. Select the setup icon for the output device.

2. From the **View** menu, select **View RIP Log**.

The RIP Log is formatted as an HTML file, and displays in the default browser for the operating system.

Clearing RIP Logs

To clear out the rip log for a given output device:

1. Select the setup icon for the output device.

2. From the **View** menu, select **Clear RIP Log**.

7. Setting Job Properties

The Job Properties dialog allows you to edit a large number of settings that control how a job will be output.

Accessing the Job Properties Dialog

To access the Job Properties dialog, select the job and do one of the following:

- Double-click on the job.

- From the **File** menu, select **Job Properties**.

- Right-click on the job and select **Job Properties** from the context menu.
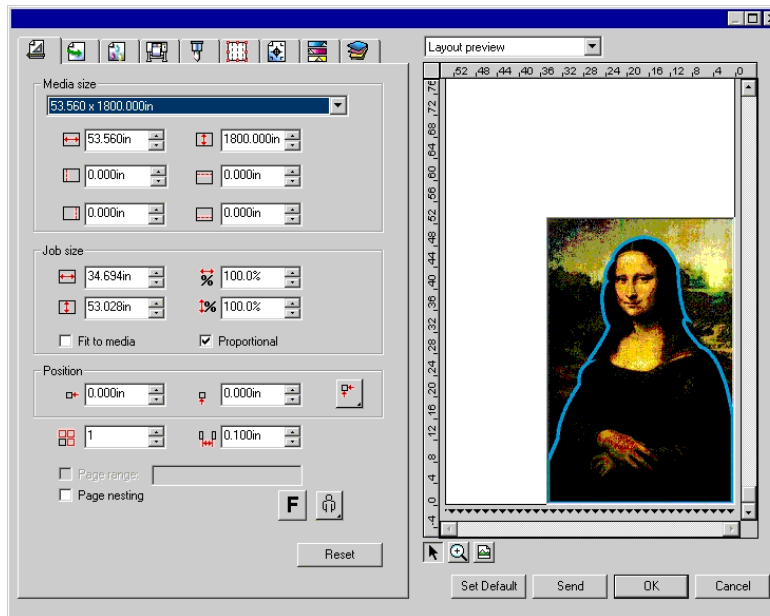
The left side of the dialog contains the tabs on which the job properties can be set. The right side contains a preview pane that displays the job as it will appear on the output medium.

Setting the Preview Pane View

Select one of the three available views from the list at the top of the preview pane:

Page preview
Displays each page of the job scaled to fill the preview area.

If there is more than one page in the job, a list of the page numbers will appear above the preview, allowing you to select the page to display.

> 📄 If you are using PhotoPRINT SE, only the first page will be displayed in Page Preview.

Selected automatically when the **Workflow**, **Color Management**, **Printer Options**, **Cut**, or **Color Adjustment** tab is selected.
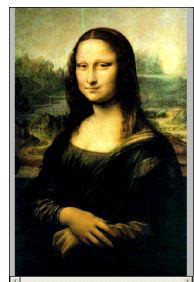
Layout preview
Displays the job as it will appear on the output medium. The preview is scaled so that the output medium fills the preview area.

Selected automatically when the **Layout**, **Labels**, or **Separations** tab is selected.
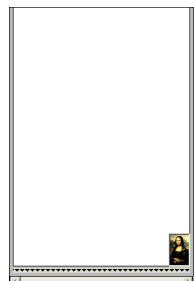
Tiling Preview
Displays the job with the outlines of the tiles that it will be broken up into superimposed over the image.

Selected automatically when the **Tiling** tab is selected.
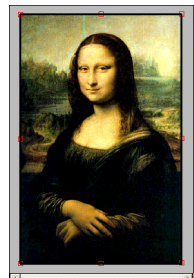
Setting Default Job Properties

To make the current job properties the default settings for all new jobs that are added to this setup, click **Set Default**. You will be asked to confirm the change in the default settings.

Setting Job Properties

Different tabs within the Job Properties dialog let you set layout options, tiling/paneling options, color calibration options, color adjustment

options and labels.

The exact number of tabs and the settings on those tabs will vary depending on the type of job and output device selected, as well as the version of the software in use.

Layout Tab

The Layout tab controls how the job will be positioned on the output medium, what size it will be, and the layout of the output.

Media Size	The size of the media loaded into your output device. Select from one of the preset sizes, or specify unique dimensions below.

↔ ↕	The width and height of the media
margins icons	The margins of the printable area

When a set of unique dimensions is specified, it is automatically added to the list of preset sizes.

Job Size	Choosing one of these options allows you change the output size and orientation of the page.

↔ ↕	The job's width and height.
% ↕%	The job's width and height as a percentage of the original.
Fit to Media	Scales the job proportionally so that it is as large as possible while still fitting within the printable area of the output medium.

	Proportional	When this option is selected, the height and width of the job are increased or decreased together to keep the original proportions intact.
Position	These settings change the position of the job on the media.	

The distance between the job and the right and bottom margins of the printable area.

Places the job at the specified distances from the lower and right edges of the printable area of the output medium.

Centers the job along the width of the printable area.

Centers the job in the middle of the printable area. Only available for sheet material.

The number of copies to be output.

The amount of space that will exist between the various tiles, copies, and/or nested jobs that will be output as part of the job.

Page Range If checked, you can specify the range of pages that will be output for a multi-page job. Format is *x-y*. Also accepts "," to put in multiple ranges.

Ex:	**5**	Prints page 5.	
	2-5	Prints pages 2, 3, 4 and 5.	
	3, 5-10	Prints pages 3, 5, 6, 7, 8, 9 and 10.	

Page Nesting If checked, the pages, tiles and color separations of the job will automatically be nested.

Flips the selected image on the vertical axis, so that your image will be mirrored when printed.

Rotates image on the media in 90-degree increments. Click the button until you achieve the desired orientation.

Workflow Tab

The Workflow tab displays settings related to the time and order that the job will be processed in.

Job name:	CutContourMonaLisa.eps
Path:	D:\Pictures\Classics\
Setup:	Hybrid Device
After output:	Delete
Send:	Print and contour
Priority:	Medium

☐ Print after: 12:00:00 AM

Comments:

After Output   Sets what to do with the job after output:

> **Delete**   Removes jobs from the queue after output.
>
> **Hold**   Places jobs in the Hold Queue after output or at the bottom of the queue.
>
> **Archive**   Saves the job after output.

Send   Sets what part of a combination print and contour job will be output. This control will only appear for hybrid devices.

> **Print and contour**   The job will be printed, and then the contour will be cut.
>
> **Print only**   Only the printed part of the job will be output.
>
> **Contour only**   Only the contour will be cut.

Priority   The priority assigned to new jobs by default. Priority is used to determine which jobs in a given queue will be processed first.

> 📄 A High priority job might not always print first. This is because the software can RIP a number of jobs simultaneously. If a smaller job finishes RIPing first, it will move to the Print queue first, and immediately start printing.

Send Cut Job	Check to send the job to a separate cutting device as part of a "virtual hybrid" job. Select the cutting device from the list next to the check box.
Print After	If checked, you can specify what time the jobs in the queue will start to be output.

Color Management Tab

The Color Management tab displays the settings related to the printing device. The layout of this tab may differ depending on the output device.
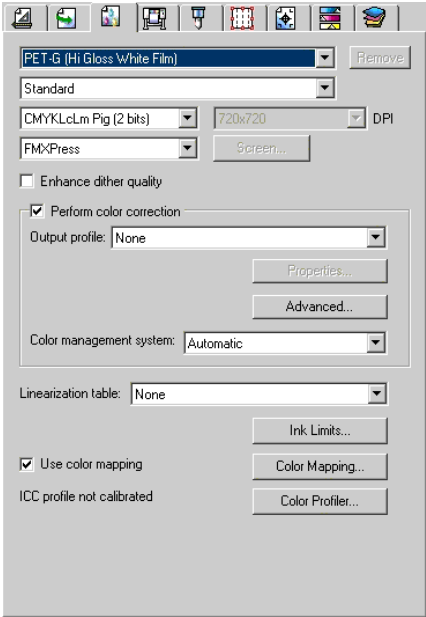
Media	Select the media type the output will be printed on.
Remove	Removes the selected custom media.
Print mode	Select the print quality for the output. This setting will vary for each type of printer.
Color Mode	Select the color mode that matches the inks set in the printer.
	CMYK The image will be printed using a combination of cyan, magenta, yellow and black inks.
	CMY The image will be printed using cyan, magenta and yellow inks. All black will be CMY process black.

Grayscale	The image will be printed using black ink only, producing a black and white image with shades of gray.	
CMYKLcLm	CMYK plus Light Cyan and Light Magenta inks. This color mode provides smoother gradations between lighter shades of colors.	
CMYKOrGr	CMYK plus Orange and Green inks. This color mode provides truer orange and green colors than CMYK alone can produce.	
CMYKLcLmOrGr	CMYK plus Light Cyan, Light Magenta, Orange and Green inks.	
CMYKLcLmMcMm	CMYK plus Light Cyan, Light Magenta, Medium Cyan and Medium Magenta inks.	
CMYKMcMmOrGr	CMYK plus Medium Cyan, Medium Magenta, Orange and Green inks.	
_____+Pig	Pigment-based ink.	
_____+Dye	Dye-based ink.	
_____+2Bit	Indicates degrees of variable dot size.	
_____+8Bit		
_____+ variable-dot		

Resolution Select the output resolution. A higher DPI value improves the resolution of the job, but slows down the output.

Dither type	Select the dithering for the output.
	Dither Type is the pattern in which the individual dots that make an image are applied to the media. Each dither type has advantages in terms of quality and RIP speed. The default dither type is usually the best setting for your machine.
	The software offers several dithering options to optimize your output. Usually, quality and speed are in tradeoff, with KF Diffusion offering the highest quality and the LX Diffusion or FMXPress offering the fastest processing times.
	The available patterns (in descending order of quality) are:

KF Diffusion	This is an enhanced version of the error diffusion method. While it takes longer to RIP (5-6 times more than FMXPress), it provides the highest detail and contrast for most inkjet printers.
Error Diffusion	This method produces high-quality images. The enhanced image quality requires intensive processing (3-4 times more than FMXPress), and the time it takes to RIP a file using this method is the second longest of the available options.
Random Diffusion	A balance between image quality and RIP time. It takes 2-3 times longer than FMXPress.
FMXPress	The default diffusion method. It's the fastest in terms of RIP time and is suitable for most prints.
LX Diffusion	A faster option as far as RIP times are concerned. It's a good choice for large prints that will be viewed from a considerable distance.
Angled Screen	Designed for use with thermal printers to produce vibrant, saturated colors. This is also used to produce screen print positives. Click **Screen** to set advanced options. See "Setting Dither Options for Angled Screens" page 61 for details.

Enhance Dither Quality	If this option is checked, the software will use an advanced algorithm for dithering that produces better results than the default algorithm, but takes more than twice as long to RIP.
Perform color correction	Checking this option activates the color correction settings. If this setting is not checked, incoming jobs are assumed to have already color corrected in the design application.
	If color correction is off, the software will use a generic CMYK profile, instead of a profile generated from actual color measurements of output from the device. Orange and green inks will not be used.
ICC output profile	Once the image is in a neutral color space, the output profile is used to convert the image into the color space of the output device.
	Select the ICC profile that matches the combination of ink, media, resolution, and dither type of your output device.
	To add an ICC output profile from another source, select **Add** from the list of available profiles.
Advanced	Click to set advanced color correction properties. See "Setting Advanced Color Correction Properties" page 56.
Color Management System	This setting determines the color management system that will be used to output the job.
	If you are using ICC profiles from PPS 3 that contain light or medium inks (ex: **CMYKLcLm**) you can use either color management system. If you use Microsoft ICM, the light and medium channels will not be read from the ICC, and will be computed based on formulas.
	If you are using ICC profiles from PPS 3 that contain orange and green inks, you need to use the Scanvec Amiable CMS.

	Automatic	The software will choose one which color management system to use.
	Microsoft ICM 2.0	The software will use the Microsoft Image Color Management 2.0 API.
	Scanvec Amiable CMS	The software will use the Scanvec Amiable Color Management System.

Linearization Table	Select the linearization table to use.

Ink Limits   Click to set the ink limits for the output device.
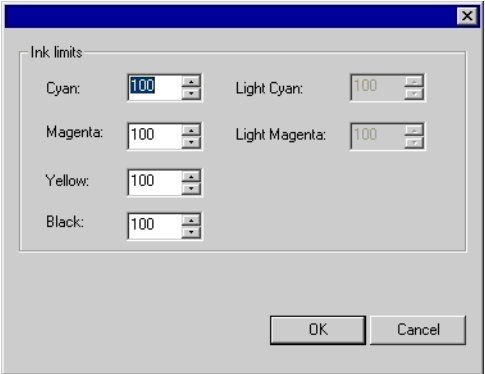
Set the ink limit for each color of ink to the maximum percent coverage that the device can output without causing bleeding or drying issues, then click **OK**.

Use Color Mapping   Check to print spot colors based on settings in global and custom color mapping. Click **Color Mapping** to set custom color mapping options. See "Using Custom Color Mapping" page 77 for details.

Color Profiler   Launches the Color Profiler application to allow you to generate linearization tables and ICC profiles. See *Color Profiler User Manual* for details.

Print Options Tab

The Print Options tab displays settings related to the selected output device.

The options displayed may vary depending on your output device.

Setting Job Properties

Enable driver options	Allows you to use the available driver options for your output device. When driver options are enabled, you can set special options from within the driver options dialog. When driver options are disabled, the printer's own settings will be used.
Overprint	Number of times you would like the printer to print over the same area. This setting increases the number of ink layers placed on the media.
Page Spacing	The amount of space between each separate job.
Dry Time	This is the amount of time the printer waits after it has completed printing, allowing the ink to dry.
Print Direction	Direction the print heads move when printing. In Bi-directional mode the print cartridges print from left to right, then from right to left. In unidirectional mode, the cartridges print from right to left only. Bi-directional mode prints faster, but unidirectional mode usually produces a better quality print.
Media feed calibration	If checked, the printer will use the value provided to compensate for variations in feed rates during the output process. This provides more accurate output.
Cut sheet after printing	Cuts the media after the print is complete. If a drying time has been set, the media will be cut after the dry time is finished.
Advance after print	If checked, the media will feed past the heads and remain there at the end of the job.
Restore Defaults	Click to return all settings on the tab to their default values.

Cut Tab

The Cut tab is only visible for jobs being output on a hybrid device or cutter. It allows you to specify settings related to cutting.

Resolution	Set the resolution of your cutting device. The default value is already set for optimal results. You should not change this value unless you are experiencing problems with your output (output size not matching the size it was designed).
Passes	Specify how many times the blade will move over each line.
Advance after plot	Check to advance the media after output and reset the origin.
Send arc commands	Activates the device's internal curve handling.
Knife offset	Check to enter custom values for knife offset. ▤ You should only change this value if you are using a pen plotter as a cutting device.
Packet size	Check to specify the packet size sent to the device. ▤ This setting applies to a limited number of cutters and should not be changed unless your cutter requires it.
Curve quality	Determines the precision of the curves by setting the maximum space allowed between the curve and the line. Higher quality requires more lines, resulting in increased plot file size and cutting time.

Higher quality   *Lower quality*
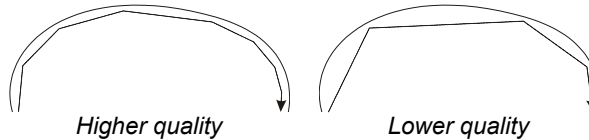
The default is already set for optimal results.

Cutter Options   Displays the Cutter Driver Options dialog. See "Setting Cutter Driver Options" page 63 for details.

Reset   Restores the default settings.

Tile Tab

The tiling feature of the software allows you to split a print job up into a number of smaller tiles that are then output separately. This can be used to produce a larger job than a device is capable of outputting in one piece.

For details on tiling jobs, see "Tiling Jobs" page 69.

Labels and Marks Tab

You may choose to print crop marks, and information about the job along with any notes that you enter.

Color   Select the ink that will be used to print labels and marks.

Width   Sets the width of the labels.

Print Label   This option must be checked to have access to label printing options.

Setting Job Properties   Page 51

Position	Select where to print labels relative to the job.	
Font and Size	Allows you to select a font and font size.	
Printer Name	Prints your printer name on printout.	
Resolution	Prints the resolutions settings on printout.	
ICC output Profile	Prints the ICC output profile used on the printout.	
Tile Number	Prints the tile row and column number.	
Overlap	Prints the overlap distance between tiles.	
Job name, size and type	Prints the job name size and type on the printout.	
Dither type	Print the selected dither type on the printout.	
Starting time of RIP	Prints the time that the RIP process started on printout.	
Page number	Prints the page number for a multiple page file.	
Number of Copies	Prints the number of copies made on printout.	
Note	Allows you to print a text note on printout.	

Print Marks   Allows you to select type of crop marks to be used on printout.

📄 Only the crop mark supported by the output device will appear in the list.

None	No print marks.
Vertical Mark	Alignment marks will be printed along the right-hand vertical edge of the job, so that the job can be aligned in a cutter for virtual hybrid output.
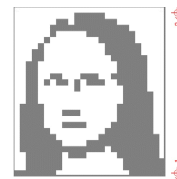
Horizontal Mark	Alignment marks will be printed along the lower horizontal edge of the job, so that the job can be aligned in a cutter for virtual hybrid output.	
Vertical Corner Mark	Alignment marks will be printed outside the corners on the right-hand vertical edge of the job, so that the job can be aligned in a cutter for virtual hybrid output.	
Horizontal Corner Mark	Alignment marks will be printed outside the corners on the lower horizontal edge of the job, so that the job can be aligned in a cutter for virtual hybrid output.	
Gerber Edge	Registration mark for virtual hybrid jobs using Gerber cutters.	
Gerber Edge Center	Registration mark for virtual hybrid jobs using Gerber cutters.	
Fargo Impressa	Registration mark for hybrid jobs using Fargo Impressa cutters.	
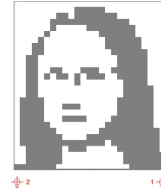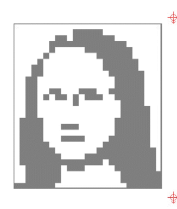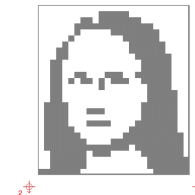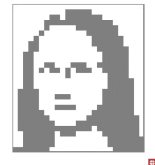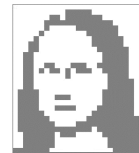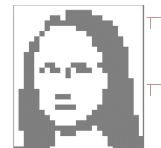
Mimaki Mark	Registration mark for virtual hybrid jobs using Mimaki EX cutters.	
OPOS Mark	Registration mark for virtual hybrid jobs using Summagraphics cutters.	
Crop Marks	Crop marks will be printed at the corners of the job to allow the job.	
Standard Marks	Standard marks intended for aligning color separations. Automatically turned on whenever color separations are output.	
Swatch	Color swatches for each color of ink will be printed around the job.	
Overlap Marks	Overlap marks will be printed, indicating how the tiles of a tiled job should overlap.	
Tonal Scale	Color swatches containing blended CMY colors and a gray scale will be printed around the job.	
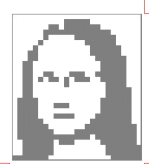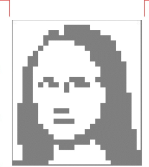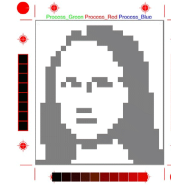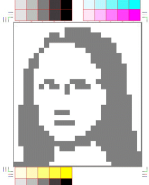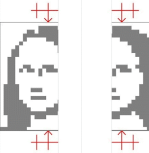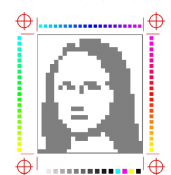
| **Margin** | Marks will be printed at the corners of the job indicating its outside margins. | |

| **Border** | A border will be printed around the outside edge of the job. | |

| **Tile overlap lines** | Check to print lines on tiles indicating where the edge of the overlap is. These can then be used to align the tiles. | |

| **Print color bands** | Check to print color bands at the positions selected. | |
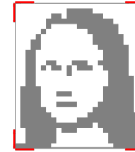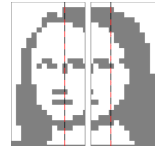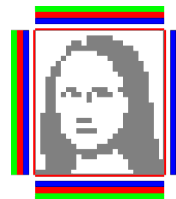
Color Adjust Tab

The Color tab provides some basic tools to manually adjust the output color. Move the slider to the left or right to decrease or increase respectively the amount of that color in the output.

The slider allows you to quickly adjust all color channels as a group.

The slider adjusts the contrast of the image.

Check **Preview** to see the changes in your color settings reflected in the preview pane.

Click **Reset** to restore the values and settings to their original states.
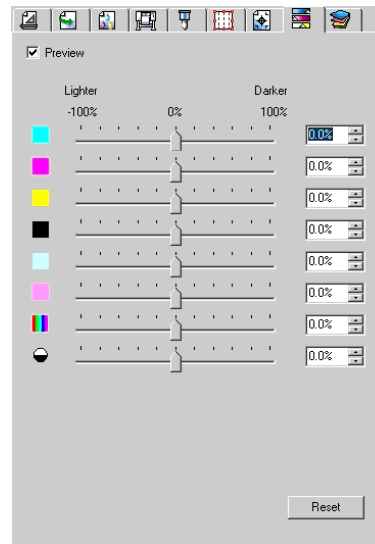
Separations Tab

The Separations tab contains a number of options related to printing color separations.

Channel	Print as	Angle	Frequ...
☑ Cyan	Cyan	105.0...	55.000
☑ Magenta	Magenta	75.000	55.000
☑ Yellow	Yellow	90.000	55.000
☑ Black	Black	45.000	55.000
☑ Light Cyan	Light Cyan	75.000	55.000
☑ Light Magenta	Light Magenta	105.0...	55.000

☑ Print as separations
☐ Print separations in color
☑ Print spot colors as process   Edit...
Shape: Diamond
☐ Use accurate screens
Reset
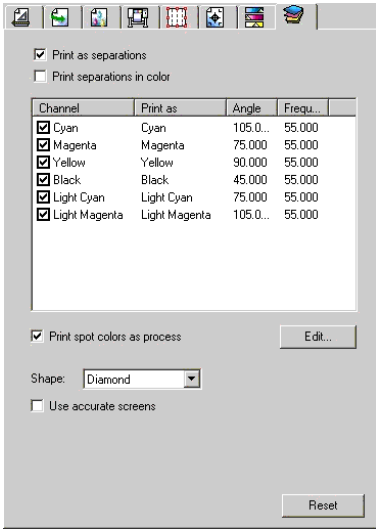
Print as separations

Check to print each color plane separately.

📄 To print separations for certain colors only, clear the checkboxes for the colors you do not want to print.

Print separations in color

Check to make each process color separation print in the appropriate color of ink. If this option is not selected, all process color separations will print in black.

📄 Separations for spot colors will always print in black.

Print spot colors as process

Check to convert spot colors to their best process color approximations and include them in the process color separations. To fine-tune the process colors used for a spot color in PhotoPRINT Server, see "Using Custom Color Mapping" page 77.

If this box is not checked, and your device supports spot colors, each spot color will be printed as an individual separation.

If you have selected the Angled Screen dither type, you can edit the dithering options for each color from the Separations tab. See "Setting Dither Options for Angled Screens" page 61 for details.

Adding New Media Types to a Device

The software allows you to add new media types to the list of media types for a given make and model of output device. The new media type will only appear for that make and model of device, not for all devices.

To add a new media type:

1. Select a setup for the device you want to create a new media type for.

2. From the **Setup** menu, select **Default Job Properties**.

3. Select the **Color Management** tab.

4. From the **Media Type** list, select **Add Media**.
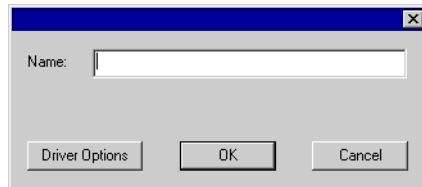
5. Enter a **Name** for the new media type. The name can be up to 32 characters long, and may not contain any wild card characters (**#**, *****　or **?**).

6. If desired, click **Driver Options** to set the default driver options that will be used with this media type.

7. Click **OK**.

Removing Media Types

To remove a media type that has been added for a certain output device, click **Remove**. The default media types defined by the software cannot be removed.

Setting Advanced Color Correction Properties

To edit the advanced color correction properties for a job:

1. Open the job properties for that job.

2. Select the **Color Management** tab.

3. Click on the **Advanced** button.
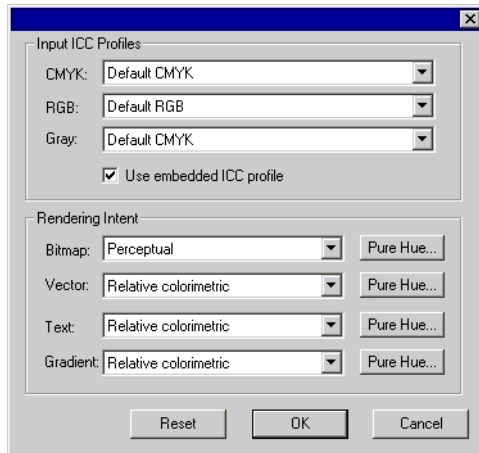
Setting ICC Input Profiles

Select the ICC input profile to use to convert the image into a neutral color space. There are three types of ICC input profiles that can be specified.

CMYK   The CMYK input profile applies to all elements of a job that are in CMYK color mode. If your image is in CMYK color mode, then your file was previously separated for output to a specific output device. Whenever is possible, use the profile used for separation in your design application as the CMYK input profile. Try using similar profiles for common ink sets (such as CMYK SWOP or High End SWOP) if you don't have the matching profile.

RGB   The RGB ICC input profile applies to all elements of a job that are in RGB color mode. An RGB input profile can be for either a monitor or a scanner. If you scanned your image without color correcting it, it is recommended to use the scanner profile as a RGB input profile. If you have done any on-screen color correction, you should select your monitor profile as a RGB input profile.

Gray   The Gray ICC input profile applies to all elements of a job that are in grayscale color mode. This may refer to either a grayscale scanner or a grayscale monitor.

Check **Use embedded ICC profile** to force the RIP to use the input ICC profile embedded in the file.

Adding ICC Profiles from Other Sources

To add an ICC input profile from another source, choose **Add** from the combo box.

Setting Rendering Intents

Rendering intent specifies how a color space from the input file gets mapped to the color space of the output device.

Rendering intents can be specified for four different types of objects that make up jobs:

Bitmap   The rendering intent to use with bitmap images (raster images) contained in your job file.

Vector   The rendering intent to use with vector objects such as circles, polygons, lines, arcs and Bezier curves contained in vector-based files like PostScript, DXF or Adobe Illustrator.

Text   The rendering intent to use with text objects contained in PostScript and other vector-based files.

Gradient   The rendering intent to use with vector-based gradient objects contained in PostScript and other vector-based files. Gradients created in bitmap files will be rendered using the **Bitmap** rendering intent.

Choose from one of the following rendering intents:

Perceptual   This intent is best for photographic images. Colors outside of the output device's gamut are either clipped or compressed to fit the output device's color space.

Saturation   This intent is best for graphic images, such as vector art, where vivid colors are more important than true color matching. Colors outside of the output device's gamut are mapped to colors at the extent of the gamut's saturation. Colors that fall within the gamut of the output device are shifted closer to the gamut's saturation extent. This rendering intent may also be used to boost colors within a photographic image.

Relative Colorimetric   This intent is best for images, such as logos, where the output needs to match the original image. Colors that fall outside of the output device's gamut are clipped. This method may reduce the total number of colors available. The white point of Relative Colorimetric is always zero

Absolute Colorimetric   This intent is similar to Relative Colorimetric, but has a different white point value. Absolute Colorimetric represents colors relative to a fixed white point value of D50. For example, the white of paper A will be simulated when printing on paper B. This intent is best for color proofing.

Spot Color   This intent was created to supplement the Saturation intent. Spot Color maps colors similarly to the Saturation rendering intent, but Spot Color rendering intent produces the greatest saturation possible, and should not be used with photographic images.

Using Pure Hue Settings

The Pure Hue buttons allow you to specify that certain color channels should not be mixed in with other colors when the job is rendered. These settings can be different for each of the 4 types of object.

For instance, if a job contains yellow text, you could check the Pure Hue setting on the yellow color channel for text, so that no other colors appear in the yellow text.

To adjust the Pure Hue settings for a type of object:

1. Click the **Pure Hue** button next to the object's rendering intent.
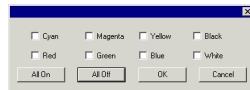
2. Check the boxes for each color channel that you want to preserve unmixed.

    📄   Click **All On** to check all color channels, or **All Off** to clear all channels.

3. Click **OK**.

Setting Dither Options for Angled Screens

The Angled Screens dialog displays the dither options that are available for angled screens. To access the dialog, select **Angled screen** as your dithering option in the Printer tab of the Job Properties dialog, and click on the **Screen** button.
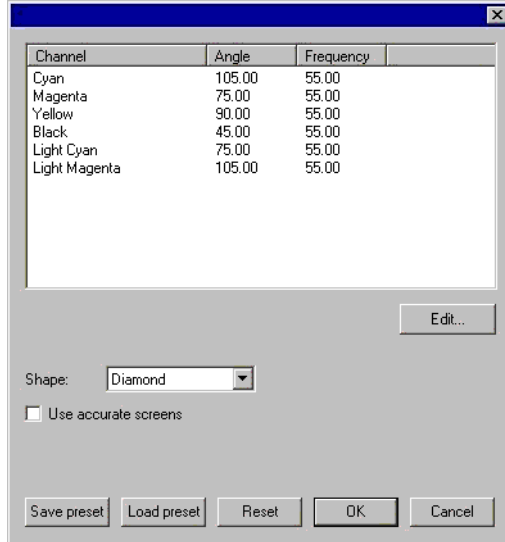
The following options are available:

Screen Angle and Frequency	To set the screen angle and frequency for a color channel, select the channel in the list and click **Edit**.
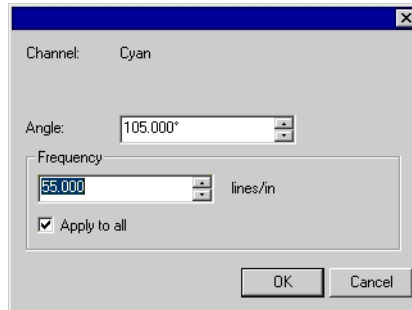
Enter the angle and frequency desired, then click **OK**.

Check **Apply to All** to apply the new frequency to all color channels.

Shape	The shape of the dots that make up the halftone screen. For best results, choose either **Diamond** or **Ellipse**.

Cosine Dot	
Cross	
Diamond	
Double	
Double Dot	
Ellipse	
Inverted Double	
Inverted Double Dot	
Inverted Simple Dot	
Line	
Line X	
Line Y	
Rhomboid	
Round	
Simple Dot	
Square	

Use Accurate Screens	If checked, a special algorithm is used that produces highly accurate halftones, but is computationally expensive.

Saving Screen Options to a Presets File

To save the current screen option settings to a file:

1. Check that the current settings are correct.

2. Click **Save preset**.

3. Specify the file name and location and click **OK**.

Loading the Presets from a File

To load the screen option presets from a file:

1. Click **Load preset**.

2. Specify the file name and location and click **OK**.

Setting Cutter Driver Options

The Cutter Driver Options allow you to control the parameters of operation of your output device such as cut speed, pressure and execute common tasks (roll forward, roll backward, go to origin) from your computer.

To access the Cutter Driver Options, click **Cutter Options** in the **Cut** tab of the Job Properties dialog.
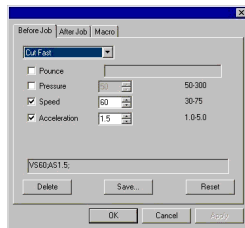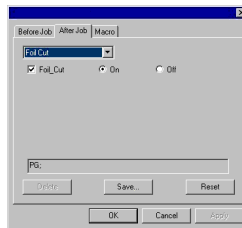
Before Job Tab   *After Job Tab*   *Macro Tab*
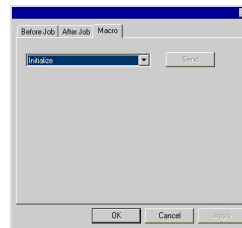
📄   The settings available in the Cutter Driver Options vary according to your output device.

Each command has a checkbox to enable or disable it. When enabled, you can change the value, and the command will be sent to the output device overriding the settings in the output device. When the option is unchecked, the settings from the output device are used.

Save	Saves the changes you made as a new command.
Delete	Deletes the selected command from the list (you can only delete commands that were added using the save command).
Reset	Reverts all settings to its default settings (any custom commands added by the user will be deleted).

Before Job	Defines commands that will be sent before the job is processed.
Cut Fast / Medium / Slow / None	Defines a series of settings for fast, medium and slow cutting speeds. Select None if you want to use all settings from the output device.
Pressure / Force	Defines the pressure of the knife.
Speed	Defines the traveling speed of the head.
Tool	Defines the tool when several tools are available or switch between cut and plot.
After Job	Defines commands that will be sent after the job is processed.
Cut Media / Auto Cut	Specify if the media will be cut after cutting or plotting.
Macro	Allows you to execute common tasks that you are usually required to do from the cutter's control panel.
Initialize	Initializes the output device.
Roll Forward /Backward	Advances or rolls back the media.
Go to origin	Moves the head to the origin.

Make sure nobody is around the output device when sending the macros, since the cutter may move and injure the operator.

8. Nesting Jobs

The software has the ability to nest jobs together in order to minimize the amount of material needed to output the jobs. Nesting reorganizes the jobs on the output medium so that they line up across the media width and are packed into as compact an area as possible.
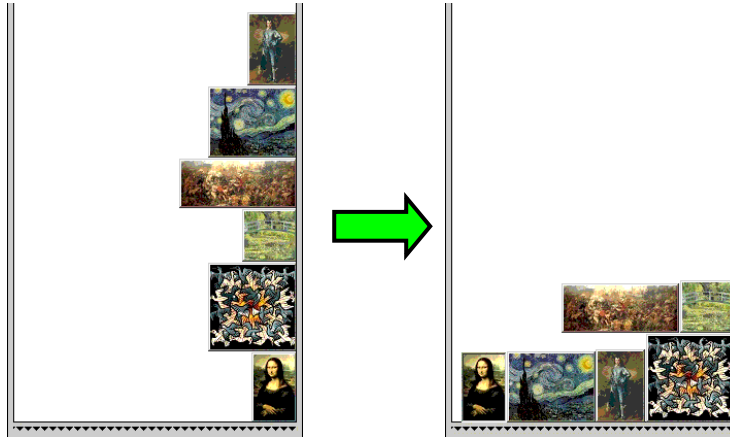
Jobs must be in the same queue in order to be nested together, and must share the same output device and resolution.

Nesting Jobs Manually

To nest jobs:

1. Select the jobs.

2. From the **File** menu, select **Nest Jobs**.

    📄   If a single job is selected, its pages will be nested.

Un-Nesting Jobs

To separate a set of nested jobs into its component jobs:

1. Select the set of nested jobs.

2. From the **File** menu, select **Unnest Jobs**.

Using Automatic Nesting

The software can be set to automatically nest jobs as they are added to the Hold Queue.

To set up automatic nesting, from the **Setup** menu select **Setup Properties**, then select the **Automatic Nesting** tab.

Automatic job nesting	Automatically nests jobs using one or more of the criteria specified below. This allows you to work more efficiently by grouping their jobs for output. You can add several jobs into the queue and nest them into one job.	
	Number of jobs	Select this option to automatically nest jobs once the specified number of jobs has accumulated in the queue.
	Number of minutes	Select this option to automatically nest jobs once the specified number of minutes has passed.
	Percent coverage	Select this option to automatically nest jobs once the specified percentage of the media has been covered.
	Daily at	Select this option to automatically nest jobs once a day at the specified time.
Automatic rotate image when nesting	If checked, the images may automatically be rotated when nested so that less of the output medium will be used up.	

📄 Set **Number of jobs** to **1** to automatically nest pages, tiles and separations.

Nesting Pages, Tiles and Separations

The software is able to nest the pages of a multi-page job so that they line up across the width of the output medium and take up less material.

To nest the pages of a multi-page job:

1. On the **Layout** tab of the Job Properties dialog for the job, check **Page Nesting**.

2. Select the job.

3. From the **File** menu, select **Nest**.
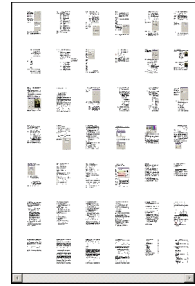
9. Tiling and Cropping Jobs
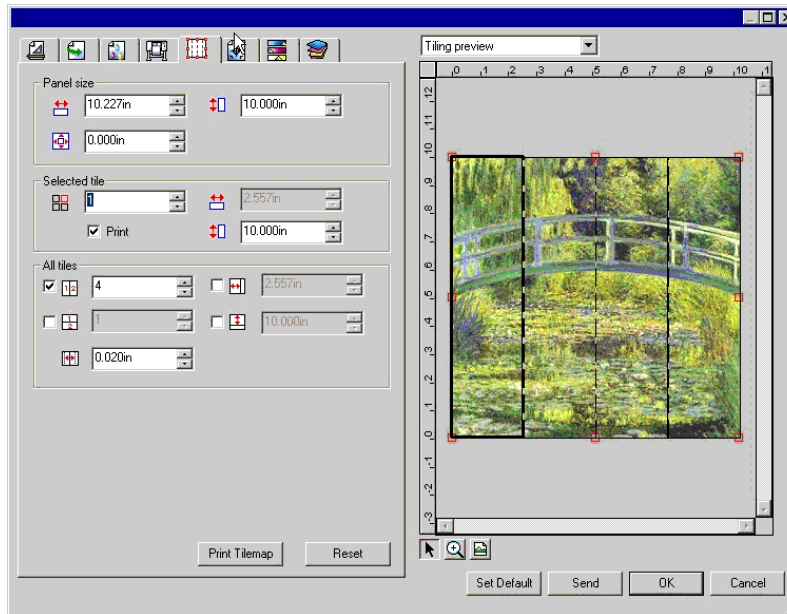
The tiling feature of the software allows you to split a print job up into a number of smaller tiles that are then output separately.

📄 If a job is larger than the output medium, it is automatically tiled into pieces small enough to output.

All tiling is done from the **Tile** tab of the Job Properties dialog. To access the tiling features:

1. Select the job.

2. From the **File** menu, select **Job Properties**.

3. Select the **Tile** tab.

The following settings are available:

Panel Size The panel is the part of the job that will be split up into tiles and output by the software. If the panel is reduced in size so that it does not cover the entire job, only the parts covered by the panel will be output.

↔ ↕⃞ Shows the width and height of the panel. To adjust, enter a number or use the arrows.

	The size of the margin. The margin is the part of the panel that extends outside of the boundaries of the job.

Selected Tile		Selects which tile's width and height are displayed in the fields below.
		Selects a tile to be edited. The selected tile is highlighted in the preview pane.
		Shows the width and height of the selected tile. To adjust, enter a number or use the arrows.
	Print	If checked, the selected tile will be output with the rest of the job. If cleared, the tile is marked with a mesh overlay in the preview pane, and will not be output.
All Tiles		These settings apply to all tiles and help you quickly set up automatic tiles, of equal size.
		Selecting this option divides the job vertically into the number of columns specified. Each column will be of equal width.
		Selecting this option divides the job into the number of rows specified. All rows will be of equal height.
		If you know that you want tiles of a certain size, enter the values for the width and height of the tiles here. All tiles will be changed to the specified size.
		Sets the amount of overlap between tiles. Enter a negative number to create an offset between tiles.
Print Tilemap		Outputs a tile map to aid in assembly of the finished job. See "Printing a Tile Map" page 73 for details.
Reset		The reset button will restore the original values and settings.

Dividing a Job Into Tiles

The job starts as a single large tile that covers the entire job. This tile is selected by default.

To divide the job into multiple tiles, reduce the width and/or height of the first tile using the and fields in the **Selected Tile** section. New tiles will automatically be created to cover the exposed areas of the job.

*For instance, to divide a 30x25 job into two vertical tiles, set the field to **15**, reducing the size of the first tile to 15x25. A second 15x25 tile will automatically be created.*

Dividing a Job into Uniform Rows and Columns of Tiles

To divide the job into a specified number of uniform rows and columns of tiles:

1. Check [1|2] or [1/2] to tile the job vertically or horizontally.

2. Enter the number of columns of tiles in the [1|2] field.

3. Enter the number of rows of tiles in the [1/2] field.

4. Set the amount of overlap between the tiles in the [↔] field.
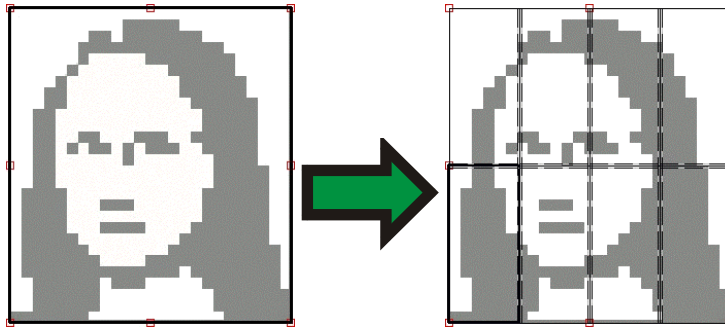
Dividing a Job into Uniform Tiles of a Specified Size

To divide the job into uniform tiles of a specified size:

1. Check [↔] and [↕] to set all tiles in the job to be of the specified size.

2. Set the [↔] and [↕] fields to the width and height desired for the tiles.

3. Set the amount of overlap between the tiles in the [↔] field.
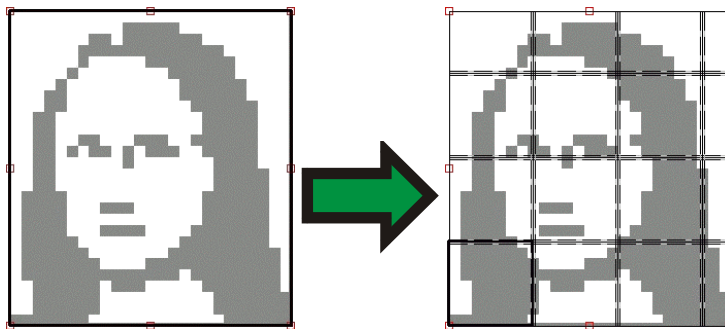
📄   If the specified tiles do not cover the job evenly, the tiles at the top and right edges will be made small enough to fit in the gap.
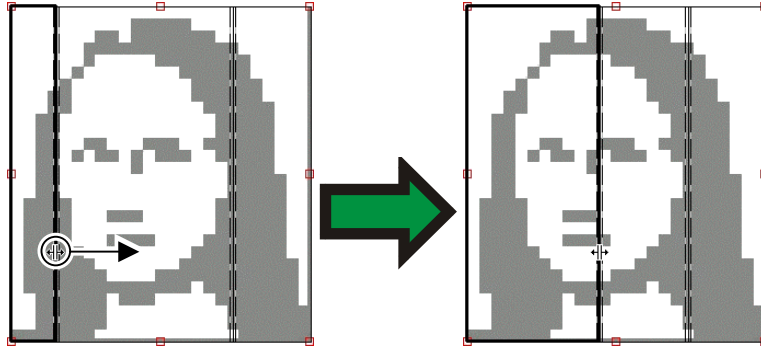
Selecting a Tile

To select a tile, either click on the tile in the preview pane, or select the tile using the [⊞] field in the **Selected Tile** section of the Tile tab.

Editing Tiles

To edit the size of the selected tile, change the values in the ⬌ and ⬍ fields.

You can also resize tiles by dragging their edges in the Preview Pane.

Click and drag to resize

📄 If any of the **All Tiles** checkboxes are checked, the ⬌ and ⬍ fields may be disabled. In this case, the fields have been overridden in order to keep all tiles uniform. The tiles will not be editable using the Preview Pane either.

If you drag the edges of the panel over so that part of the job is exposed, a new tile will be created to cover the exposed area of the job. The exception to this is if you resize the panel using the cropping handles (see "Cropping a Job" page 74 for details).
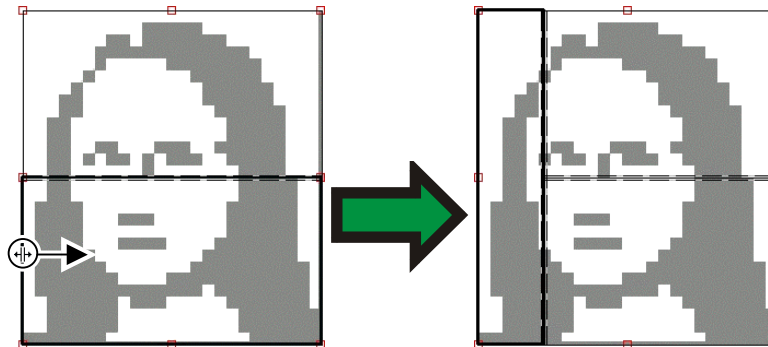
Click and drag the edge of the panel to add another tile.

Preventing a Tile From Being Output

To prevent a tile from being output with the rest of the job:

- Double-click on the tile in the preview pane.

- Right-click on the tile in the preview pane.

- Select the tile in the **Selected Tile** section of the Tile tab and clear the **Print** checkbox.

Non-printing tiles are marked with a hash pattern.
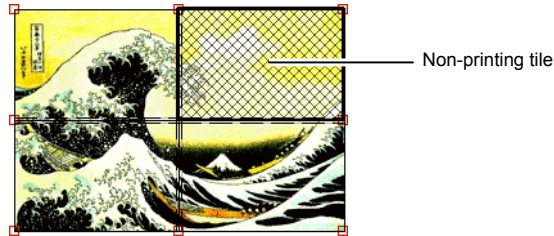
Non-printing tile

To make a non-printing tile printable again:

- Double-click or right-click the tile again to toggle it back on.

- Select the tile in the **Selected Tile** section of the Tile tab and check the **Print** checkbox.

One tile in each job must always remain printable. If you try to set all tiles to non-printing, one of the tiles will become printable again.

Printing a Tile Map

The software can print out a map showing how the job will be broken up into tiles. Each tile has the tile number printed within its outline.
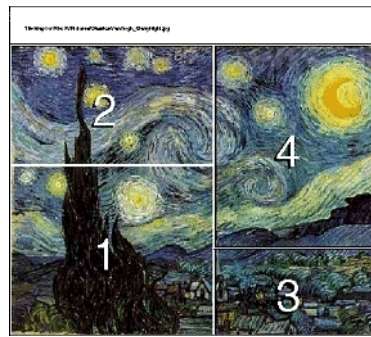
To print a tile map:

1. Click the **Print Tile Map** button on the **Tile** tab.
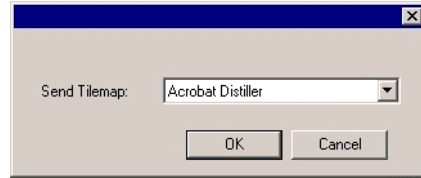
2. Select the printer you want to use to print the tile map.

📄 If you would like to send the tile map to a desktop or network printer, first create a setup for that printer, then select that setup here.

3. Click **OK**.

Cropping a Job

To crop out part of a job so that it will not be output:

1. Open the Job Properties dialog for the job.

2. Select the Tiling Preview view of the job.

3. Drag the red cropping handles so that the unwanted parts of the job are cropped out.

Cropped-out areas of the job will not be output.

Cropping Handles

Dragging cropping handle

Cropped-Out Area
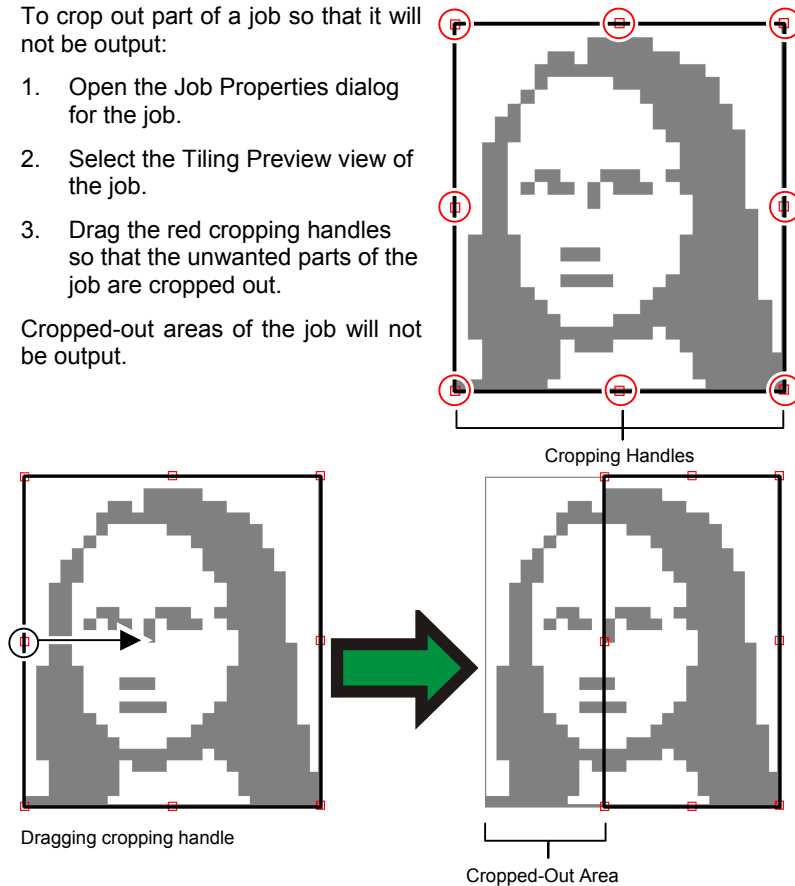
You can also crop a job by reducing the panel size using the ↔, ↕ and ⊡ fields in the **Panel Size** section of the **Tile** tab.

Removing All Tiling and Cropping

To remove all tiling and cropping and make the job one piece again, click on the **Reset** button.

📄   If the job is bigger than the media, it will still be tiled to fit the media.

10. Working with Color

The software provides a number of color management features that allow you to fine-tune the color output of your jobs.

Using the Color Profiler

For instructions on using the Color Profiler module, consult the Color Profiler PDF in the **Readme** folder on your Installation CD.

Using Custom Color Mapping

Custom Color Mapping allows you to map spot colors to exact output values for your specific output device. Mapped colors will always print out using the output values set in the Custom Color Mapping module, overriding any other color management settings.

📄   If you have mapped a custom color but don't want to use that particular color mapping for a particular job, you have two choices: turn off all custom color mapping, or delete the color mapping for that particular color.

Each custom color mapping applies to a single color mode on a single output device. If you want to map the same custom color to multiple color modes, you must make multiple custom color mappings, one for each color mode.

Custom color mapping is only applied to jobs in a vector format such as EPS or PostScript. It does not affect bitmaps or JPEGs.

📄   Custom color mapping only affects jobs that were added after the color mapping was added. Jobs that were already queued are not affected.

To access the Custom Color Mapping module, open the **Setup** menu and select **Custom Color Mapping**.
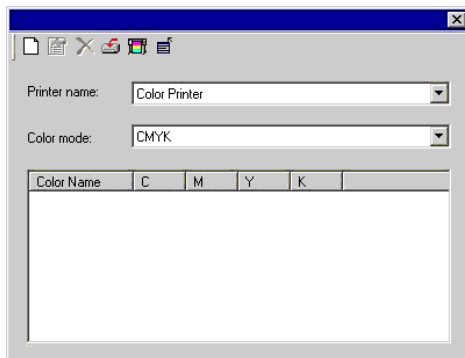
Adding a Custom Color Mapping

To map a custom color:

1. Select the output device from the **Printer Name** list.

2. Select the color mode you want to map the custom color to from the Color Mode list.

3. Click on the Add button in the Custom Color Mapping toolbar.
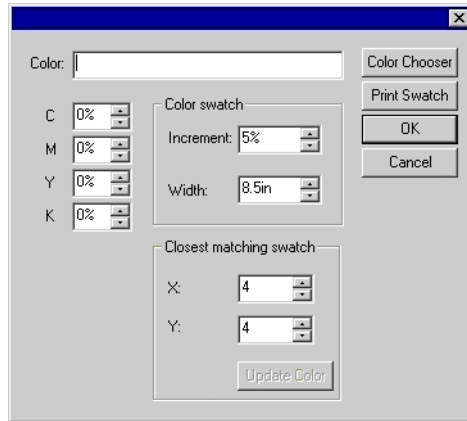
4. Type a name for the color in the **Color** field.

5. Select the percentage values for each of the process colors in the color mode selected.

6. If desired, click on the **Print Swatch** button to print a set of swatches for the color to help you fine-tune your choice (see below for details).

7. When finished, click on the **OK** button.

Printing Color Swatches

The Print swatch button prints out sets of color swatches, which allow you to fine-tune your process color values. Enter the X and Y value from the printout for the closest matching swatch. Update color will update the process colors based on the swatch chosen.

Modifying a Custom Color Mapping

To modify a custom color mapping:

1. Select the output device from the **Printer Name** list.

2. Select the color mode associated with the color mapping from the Color Mode list.

3. Click on the Modify button in the Custom Color Mapping toolbar.

4. Adjust the color mapping as desired.

5. When finished, click on the **OK** button.

Importing the Custom Colors from a Print Job

The software can import all of the custom colors specified in a PostScript or Encapsulated PostScript file.

To import the custom color definitions from a file:

1. Click on the Import button in the Custom Mapping toolbar.

2. Select the file to import from and click on the **OK** button.

Printing Custom Colors

To print out a table of all the custom colors that have been specified for the selected color mode, click on the **Print Custom Colors** button in the Custom Mapping toolbar.

Deleting a Custom Color Mapping

To delete a custom color:

1. Select the custom color from the list.

2. Press the **Delete** key or click on the Delete button in the toolbar.

Using Global Color Mapping

The Global Color Mapping module allows you to map the colors in your job using LAB color space, a device-independent color space.

📄 Global color mapping only affects jobs that were added after the color mapping was added. Jobs that were already queued are not affected.

To access the Global Color Mapping module, open the **Setup** menu and select **Global Color Mapping**.

Adding a Global Color Mapping

To add a global color mapping:

1. Click on the Add button in the Global Color Mapping toolbar.

2. Type a name for the color in the **Color** field.

3.   Enter the LAB values for the color selected.

4.   If desired, click on the **Measure** button to measure a sample of a color with a colorimeter.

5.   When finished, click on the **OK** button.

Modifying a Global Color Mapping

To modify a global color mapping:

1.   Click on the Modify button in the Global Color Mapping toolbar.

2.   Adjust the color mapping as desired.

3.   When finished, click on the **OK** button.

Deleting a Global Color Mapping
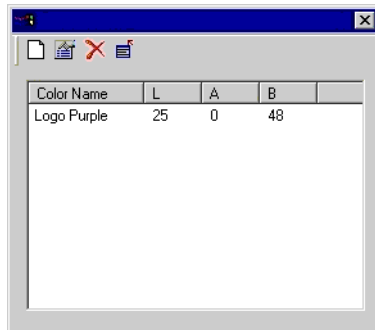
To delete a global color mapping:

1.   Select the global color from the list.

2.   Press the **Delete** key or click on the Delete button in the toolbar.

11. Using Ink Estimation

The software allows you to estimate the amount and cost of the ink required to output a given job as a screen print.
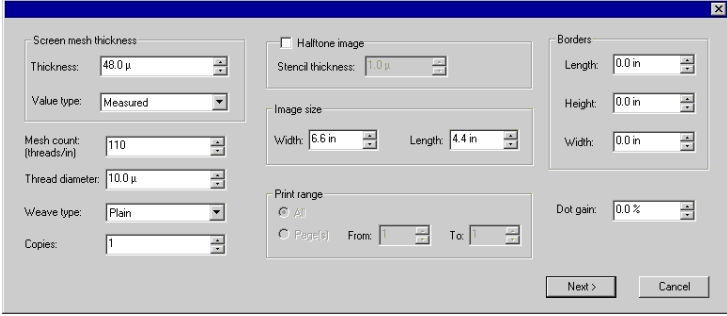
Ink estimation is only available as part of the Screen Printing option for the software. This must be purchased separately and unlocked with an additional password (See "Install Password" page 4).

To estimate the ink required for a given job:

1. Add the job to the desired setup and set the relevant job properties.

    📄 Do not check **Print as separations** in the Job Properties dialog. Ink Estimation may yield inaccurate results when used in conjunction with the **Print as separations** feature.

2. RIP the job, but do not print it.

3. Select the job and from the **File** menu, select **Ink Estimation**.

4. Edit the properties specified for the job.

5. Click **Next** to calculate the ink requirements.

    📄 The calculation of the ink requirements may take several minutes, depending on the size and complexity of the job and the number of inks used.

Ink Name	Volume	Percent	Weight	Weight/volume ratio (lb/gallon)	Unit cost (oz)	Total unit cost
Cyan	0.005 oz	25.3 %	41.533 lb	1.000	1.00	0.01
Magenta	0.004 oz	18.5 %	30.365 lb	1.000	1.00	0.00
Yellow	0.007 oz	34.4 %	56.464 lb	1.000	1.00	0.01
Black	0.004 oz	19.5 %	32.071 lb	1.000	1.00	0.00
LCyan	0.000 oz	1.0 %	1.629 lb	1.000	1.00	0.00
LMagenta	0.000 oz	1.3 %	2.084 lb	1.000	1.00	0.00

Units

| oz | lb | lb/gallon | oz | 0.02 |

< Back   Finish   Export...

6. Enter your cost per unit for the inks used in the job in the **Unit Cost** column.

7. If desired, click **Export** to export the estimated data as a text file.

8. Click **Finish** to close the window.

12. Contour Cutting and Virtual Hybrid Output

A number of output devices exist that can both print an image and cut a contour on it. These are known as *hybrid devices*.

In addition, the software allows you to get the same result by printing a job on a printer, then loading the printed output into a cutter and cutting it. This is called *virtual hybrid* output.

Setting Up a Job for Contour Cutting

In order for a contour to be cut when a job is output through a hybrid device or virtual hybrid, the following must be true:

- The job must be vector-based.

- The contours to be cut must be assigned a stroke with a custom color named **CutContour**.

For specific details on setting up jobs within a given application, please consult the *Client Application Print Guide.*

Hybrid Device Output

To output a job that includes a contour cut through a hybrid device:

1. Set up the job as described above.

2. Add the job to the setup for a hybrid device.

3. Open the Job Properties dialog for the job and make sure the **Send** setting in the **Workflow** tab is set to **Print and contour**.

4. RIP and print the job normally.

The contour will be cut after the job is printed.

Virtual Hybrid Output

The software allows you to use a printer and a cutting device together to produce the same results as a hybrid printer/cutter.

Virtual Hybrid Output on a Cutter with Automatic Alignment

To output a job using virtual hybrid output, and an automatically aligned cutter:

1. Set up the job as described above.

2. Add the job to the setup for the printer you want to use as part of the virtual hybrid.

3. Open the Job Properties dialog for the job and select the **Workflow** tab.

4. Check the **Send cut job** box and select the cutter you want to use as the second half of your virtual hybrid.

    📄 When you select the cutter in the Workflow tab, the default registration marks for that cutter are automatically added to the job.

5. Click **OK** to close the Job Properties dialog.

6. RIP and print the job.

    📄 Once you RIP and print the job, the cut portion of the job automatically appears in the Hold Queue.

7. Remove the output medium from the printer and load it into the cutter.

8. Output the cut job in the Hold Queue as you would a normal print job.

9. Align the cutting head over the first automatic registration mark (lower right if not marked) using the controls on the front panel of the cutter.

10. Click **OK** to cut the contour.

Virtual Hybrid Output on a Manually Aligned Cutter

To output a job using virtual hybrid output, and a manually aligned cutter:

1. Set up the job as described above.

2. Add the job to the setup for the printer you want to use as part of the virtual hybrid.
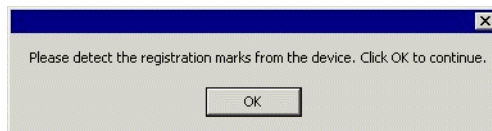
3. Open the Job Properties dialog for the job and select the **Workflow** tab.

4. Check the **Send cut job** box and select the cutter you want to use as the second half of your virtual hybrid.

    📄 When you select the cutter in the Workflow tab, the default registration marks for that cutter are automatically added to the job.

5. Click **OK** to close the Job Properties dialog.

6. RIP and print the job.

    📄 Once you RIP and print the job, the cut portion of the job automatically appears in the Hold Queue.

7. Remove the output medium from the printer and load it into the cutter. Make sure the output medium is straight, and align the registration marks to the origin for the cutter.

8. Output the cut job in the Hold Queue as you would a normal print job.
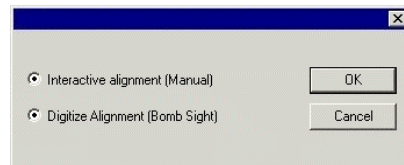
9. Select the method to be used to position the cut head over the registration marks and click **OK**.

Interactive alignment	You will position the cut head over the registration marks using software controls.
Digitize alignment	You will position the cut head over the registration marks using the controls on the face of the cutter.
	📄 This option is only available when a bi-directional communications protocol such as serial or USB is used.

a. To indicate the position of the registration marks using **Interactive alignment**:
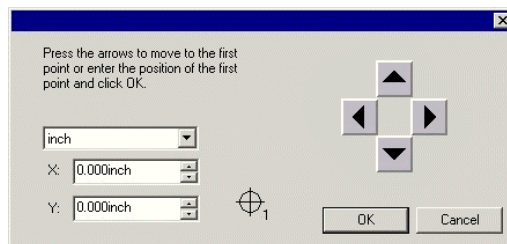
i. Use the arrow buttons to position the head of the cutting device over registration mark 1 and click **OK**.

ii. Repeat for all additional registration marks.

b. To indicate the position of the registration marks using **Digital alignment**:
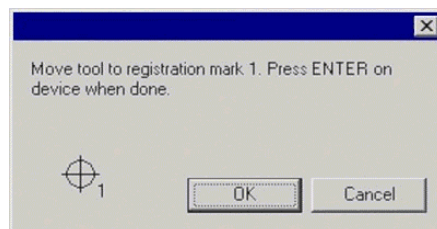
> i. Use the front panel controls on the cutter to position the head of the cutting device over registration mark 1. Press **Enter** on the cutting device, then click **OK**.
>
> ii. Repeat for all additional registration marks.
>
> > ☒
> >
> > Please put knife back in cutter and click OK to start cutting.
> >
> > OK   Cancel
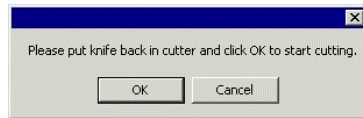
10. Make sure the knife is loaded into the cutter, then click **OK** to cut the contour portion of the design.

13. Printing from Client Applications

General Application Concerns

Font Inclusion

Fonts that are not embedded into the PostScript file can be lost when the PostScript file is transported from one workstation to another, or across platforms. If the font is not included in the PostScript file, it will need to be installed on every station that will be using the file. If the font is not installed, the computer will substitute the font with another available font. If your application gives you the option to include fonts with your PostScript file, you should choose to include all fonts of all types.

PostScript Language Levels

The server software uses an Adobe PostScript interpreter, known as CPSI (Configurable PostScript Interpreter). PostScript files come in three levels. Each level of PostScript represents a development in the programming language and the addition of new features. PostScript level 3 is the latest level. To Utilize PostScript 3 to its full potential you must have an application, a PostScript printer driver, and a PPD file that all support PostScript level 3.

Paper Size

The paper size is the size or dimensions of your output file. Paper size should always match your page/image size for correct PostScript file generation. Mismatching image size and paper sizes is one of the most common problems in PostScript generation. Selecting a particular paper size for output does not mean that your job will be scaled to fit to the desired output size. Paper size creates a bounding area, like a frame, centered on your image. If the page/image size is larger than the selected paper size, then the parts of the page that do not fit into the paper size will be cropped. If the page/image size is smaller than the selected paper size, the page will be centered on the paper with white space as a border surrounding the job. It is common to select a paper size that fits the width of an output device, but to generate a PostScript file with a page/image size that was created at only 8.5" x 11". The result is that your image prints on a small area and is surrounded by a lot of wasted paper. You may need to create a custom paper/image size in your desktop application to correctly match the paper size of your output device.

Screening

Screening defines the screening angles, line screens and dot shapes for

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your output. Most likely, you not want your desktop application to apply its own screening to your output file. You should use your printers default screens whenever possible. To use printer default screens for output, you should select this option in the Printing Properties dialog.

Resolution

This setting is the resolution at which your printer will output. Settings for resolution are found in the Printing Properties dialog.

General Workflow Guidelines

To achieve the best possible output you should plan your work carefully and use a consistent workflow. Choosing the correct file format for saving your job and creating the PostScript file correctly are also essential. You should follow the guidelines in this section, which describe how to generate the best output from popular desktop applications.

Adobe Illustrator

Adobe Illustrator Macintosh

Color Printing

📄 ColorSync 2.x and Kodak Digital Science must be installed when using Illustrator to create CMYK files.

1. Go to the **Apple** menu and select **Chooser**. Highlight **Adobe PS** and make sure your printer is selected.

2. In Adobe Illustrator, go to **Document Setup** in the **File** menu.

3. Select Options **Use printers default screen**, and then check box for **Use Page Setup** and click the **Page Setup** button.

4. Choose a standard paper size in the **Paper** field.

5. Select **Custom Page Default** from the pop-up menu if a custom page size is required, and enter your custom page size. Click the **Add** button.

6. Select **Page Attribute** from the pop-up menu. Select the defined custom page in the **Paper** field.

7. Select **Color Setting** from the **File** menu and check **Simulate print colors on display** if you want your monitor to soft-proof CMYK output.

8. Select **Print** in the **File** menu. Select your printer in the **Printer** field, the page you want to print, and the number of copies.

9. Select **Adobe Illustrator** from the pop-up menu.

    a. Set **Output** to **Composite**.

    b. Set **PostScript** to **Level 2**.

    c. Set **Data** to **Binary**.

    d. Check **Force Fonts** to **Download**.

10. Select **Printer Specific Options** from pop-up menu. If you want the file to be printed automatically select **Print** in the **After Spooling** option. If you want to verify the print mode and profile settings before printing the file, select **Hold**. Select **Hold** in the **After Printing** field, if you want to keep the file in the server software.

11. Click the **Print** button to start printing.

Spot Color Printing and Contour Cutting

1. In Adobe Illustrator, choose **Window>Show Swatches** and **Window>Show Color**.

2. From the Swatches Palette, click on the arrow in the upper right corner and choose **New Swatch**.

---

3. A dialog will appear allowing you to assign it a name and to select a screen representation of the color. Select a color you want to use to represent this color on screen and give it a name as shown in the Spot Color List on page 107. The name needs to be an exact match with the spot color list in order to work. For a contour cut path use the color name **CutContour**. Set **Color Type** to **Spot Color** and click **OK**.

4. Repeat steps 2 and 3 for any additional colors you want to add.

5. To assign it a tint percentage, select the color in the Swatch Palette and from the Color Palettes you may assign it a tint percentage. 100% will print the spot color with full coverage.

6. To assign these colors to an object, select the object and choose the color from the Swatch Palette.

7. Send the job to print as you normally would. The server will interpret the special color names and be able to print them as spot colors or as a contour cut path.

Adobe Illustrator Windows

Color Printing

The Kodak Color Management System must be installed to output successfully from Adobe Illustrator to the server software.

1. In Adobe Illustrator, go to **Document Setup** in the **File** menu.

2. Select **Use printers default screen**.

3. Select **Use Print Setup**.

4. Click the **Print Setup** button. Print Setup screen appears.

5. Select your printer in the **Name** field.

6. Click the **Properties** button.

7. Choose a paper size from the **Paper** field or select a **Custom page** for a custom page size.

   - If you choose a custom page size, you may enter the custom size by clicking the **Custom** button and entering the width and height. The paper size should match the size entered in Adobe Illustrator.

   - If you choose custom page, click **OK** to **Custom Defined Size** dialog.

8. If you want your monitor to soft-proof CMYK output, go to **Color Settings** in the **File** menu and check **Simulate print colors on display**.

9. Select **Print** in the **File** menu.

10. If not dimmed, set **Output** to **Composite**.

11. Set PostScript to **Level 2**.

12. Check **Force Fonts** to **Download**.

13. Click **OK** to print.

Spot Color Printing and Contour Cutting

1. In Adobe Illustrator, choose **Window>Show Swatches** and **Window>Show Color**.

2. From the Swatches Palette, click on the arrow in the upper right corner and choose **New Swatch**.

3. A dialog will appear allowing you to assign it a name and to select a screen representation of the color. Select a color you want to use to represent this color on screen and give it a name as shown in the Spot Color List on page 107. The name needs to be an exact match with the Spot Color List in order to work. For a contour cut path use the color name **CutContour**. Set **Color Type** to **Spot Color** and click **OK**.

4. Repeat steps 2 and 3 for any additional colors you want to add.

5. To assign it a tint percentage, select the color in the Swatch Palette and from the Color Palettes you may assign it a tint percentage. 100% will print the spot color with full coverage.

6. To assign these colors to an object, select the object and choose the color from the Swatch Palette.

7. Send the job to print as you normally would. The server software will interpret the special color names and be able to print them as spot colors or as a contour cut path.

CorelDRAW

CorelDRAW 9, 10 & 11 Windows

Color Printing

1. In CorelDRAW, from the **File** menu, select **Print Setup**. Select your printer from the **Name** field.

2. Click the **Properties** button.

3. Choose a page size from the **Paper** field or select **Custom Page** for a custom page size.

   📄 Depending on the OS and driver selected, you may need to click the **Advanced** button to select the page size.

   - If you choose a custom page size, click on the **Custom** button and enter the custom size in the paper width and height fields. The paper size should match the size entered in Corel.

4. Select **Print** from the **File** menu. Then select your printer from the **Name** menu.

5. Select the **PostScript** tab and then select **PostScript3** compatibility.

6. Uncheck **Output Bitmaps in RGB** or set **Output Color Bitmaps as:** to **CMYK**.

    📄 Depending on the OS and driver version, this setting may be on a different tab.

7. Select the **Miscellaneous** tab and uncheck **Use Color Profile**.

    📄 Depending on the OS and driver version, this setting may be called **Apply ICC Profile**.

8. Click the **Print** button.

Spot Color Printing and Contour Cutting

1. In CorelDRAW, choose **Tools>Palette Editor**.

2. Choose **User Defined Inks** (**Custom Spot Colors** in CorelDRAW 10 and 11) from the pull-down list of palettes.

3. Click **Add Color**.

4. Select the **Models** tab and choose the color you want to use for the screen representation of the color.

    📄 You do not need to enter a name for the color at this time.

5. Click **Add to Palette**.

6. Repeat steps 3-5 for any additional colors you want to add.

7. Click **Close** button.

8. In Palette Editor you will see the colors that you added. They will be given the default names such as **Ink (1)**. Select one of the colors you just added and rename it to match an entry in the Spot Color List on page 107. The name needs to be an exact match with the Spot Color List in order to work. For a contour cut path use the color name **CutContour**.

9. To assign a tint percentage:

    a. Click **Edit Color**

    b. Select the **Custom Palettes** tab.

    c. Use the **Tint** slider at the bottom of the dialog to select the tint percentage. **100%** will print the spot color with full coverage.

    d. Click **OK**.

10. Click the **Save Palette** button. This is an unlabelled button in the upper right-hand corner of the Palette Editor dialog that resembles an unlabelled diskette. 💾

    📄 If you do not use the **Save Palette** button, the changes you have made

to the palette will not be saved, even if you click **OK**.

11. Click **OK**.

12. To assign these colors to an object:

    a.   Select the object

    b.   Choose the **Fill** or **Outline** tool from the main toolbar.

    c.   Select the **Custom Palettes** tab.

    d.   Choose one of the colors you just added.

    e.   Click **OK**.

    📄   In order to define a contour cut, the **CutContour** color must set as the outline color of the object, not as the fill color.

13. Send the job to print as you normally would. The server software will interpret the special color names and be able to print them as spot colors or as a contour cut path.

Macromedia FreeHand

Macromedia FreeHand Macintosh

Spot Color Printing and Contour Cutting

1. In Macromedia FreeHand choose **Windows > Panel > Color Mixer**.

2. Choose the color you want to use for the screen representation of the color.

3. Click the **Tint** button and assign it a tint percentage. 100% will print the spot color with full coverage.

4. From the menu choose **Add to Color List**.

5. A dialog will appear allowing you to assign it a name. Give it a name as shown in the Spot Color List on page 107. The name needs to be an exact match with the Spot Color List in order to work. For a contour cut path use the color name **CutContour**. Click the **Spot** radio button and click **Add**.

6. Repeat steps 2 through 5 for any additional colors you want to add.

7. To assign these colors to an object, select the object and choose the **Fill** tab of the Object Inspector. Choose **Basic** and select the color you added from the menu.

8. Send the job to print as you normally would. The server software will interpret the special color names and be able to print them as spot colors or as a contour cut path.

Macromedia FreeHand Windows

Spot Color Printing and Contour Cutting

1. In Macromedia FreeHand choose **Windows > Panel > Color Mixer**.

2. Choose the color you want to use for the screen representation of the color.

3. Click the **Tint** button and assign it a tint percentage. 100% will print the spot color with full coverage.

4. From the menu choose **Add to Color List**.

5. A dialog will appear allowing you to assign it a name. Give it a name as shown in the Spot Color List on page 107. The name needs to be an exact match with the Spot Color List in order to work. For a contour cut path use the color name **CutContour**. Click the **Spot** radio button and click **Add**.

6. Repeat steps 2 through 5 for any additional colors you want to add.

7. To assign these colors to an object, select the object and choose the **Fill** tab of the Object Inspector. Choose **Basic** and select the color you added from the menu.

8. Send the job to print as you normally would. The server software will interpret the special color names and be able to print them as spot colors or as a contour cut path.

Adobe PageMaker

Adobe PageMaker Macintosh

Color Printing

📄 ColorSync 2.x must be installed when using PageMaker to create CMYK files. If, after attempting the following procedure, you still have difficulty printing, save the file as a PostScript file and add it to the server software using the Add Job function.

1. Go to the **Apple** menu and select **Chooser**. Highlight **Adobe PS** and make sure your printer is selected.

2. In PageMaker, go to **Document Setup** in the **File** menu.

3. From the **Page** field select your paper size or choose **Custom** for a custom page size. If you choose custom page size, enter the custom size in the height and width fields.

4. Select your printer's resolution as the **Target Output Resolution**. If it is not available, select the next highest value.

5. Go to **Preferences** in the **File** menu. Choose **General** and click the **CMS Setup** button.

6. From **Color Management** select **OFF**.

7. Select **Print** from the **File** menu

8. From the **PPD** menu, select the PPD for your printer.

9. Click the **Paper** button. From the **Size** menu, select your paper size. Select **Custom** for a custom size. Enter the width and height of the

custom paper size in the new Custom Paper Size dialog. Your paper size should match your job size.

10. Click the **Options** button. From the **Send image data** menu, select **Normal**.

11. From **Data encoding** select **Send binary image data**.

12. From **download fonts** select **PostScript** and **TrueType**.

13. Click the **Color** button. Select **Composite** and **Color**.

14. From **Optimized** screen select **Default**.

15. Click the **Features** button. Select any other printer specific settings you want.

16. Click the **Print** button.

Spot Color Printing and Contour Cutting

1. In PageMaker, choose **Utilities>Define Colors**.

2. Click the **New** button and select the color you want to use for the screen representation of the color.

3. The **Type** tab should be selected to **Spot** for a spot color. Give it a name as shown in the Spot Color List on page 107. The name needs to be an exact match with the Spot Color List in order to work. For a contour cut path use the color name **CutContour**.

4. Repeat steps 2 and 3 for any additional colors you want to add.

5. To assign these colors to an object, select the object and choose **Element>Fill and Stroke**. You can assign it a fill color and a tint percentage. 100% will print the spot color with full coverage.

6. Send the job to print as you normally would. The server software will interpret the special color names and be able to print them as spot colors or as a contour cut path.

Adobe PageMaker Windows

Color Printing

These directions assume that you have Kodak ICC Color Management installed.

📄 Before starting PageMaker, copy your printers' PPD files to PM65\RSRC\USENGLSH\PPD4 directory. The PPDs can be found on your installation CD in the 'PPD' folder.

1. In PageMaker go to **Document Setup** in the **File** menu.

2. From the **Page size** field select your paper size or choose **Custom** for a custom page size.

   - If you choose **Custom Page Size**, enter the custom size in the height and width fields. The paper size should match the size entered in PageMaker.

3.   Select your printer's resolution as the Target Output Resolution. If it is not available, select the next highest value.

4.   Select your printer in the **Compose to printer** menu.

5.   Go to **Preferences File Menu** and select **General**. Click the **CMS Setup** button.

6.   From **Color Management** select **OFF**.

7.   Select **Print** from the **File** menu.

8.   From the **PPD** menu, select the PPD for your printer.

9.   Click the **Paper** button. From the **Size** menu, select your paper size. Select **Custom** for a custom size. Enter the width and height of the custom paper size in the new Custom Paper Size dialog. Your paper size should match your job size.

10. Click the **Options** button. From the **Send image data** menu select **Normal**.

11. From **download fonts** select **PostScript** and **TrueType**.

12. Click the **Color** button. Select **Composite** and **Color**.

13. From **Optimized Screen** select **Default**.

14. Click the **Features** button. Select any other printer specific settings you want.

15. Click **Print**.

Spot Color Printing and Contour Cutting

1.   In PageMaker, choose **Utilities>Define Colors**.

2.   Click the **New** button and select the color you want to use for the screen representation of the color.

3.   The **Type** tab should be selected to **Spot** for a spot color. Give it a name as shown in the Spot Color List on page 107. The name needs to be an exact match with the Spot Color List in order to work. For a contour cut path use the color name **CutContour**.

4.   Repeat steps 2 and 3 for any additional colors you want to add.

5.   To assign these colors to an object, select the object and choose **Element>Fill and Stroke**. You can assign it a fill color and a tint percentage. 100% will print the spot color with full coverage.

6.   Send the job to print as you normally would. The server software will interpret the special color names and be able to print them as spot colors or as a contour cut path.

Adobe Photoshop

Adobe Photoshop Macintosh

Color Printing

1. Go to the **Apple** menu and select **Chooser**. Highlight **Adobe PS** and make sure your printer is selected.

2. In Photoshop go to **Page Setup** in the **File** menu. From the **Paper** field select your page size.

3. Select **Custom Page Default** from the pop-up menu if a custom page size is required, and enter your custom page size. Click the **Add** button.

4. Select **Page Attribute** from the pop-up menu. Select the defined custom page in the **Paper** field.

5. Select **Adobe Photoshop** from the pop-up menu. Click the **Screen** button.

6. Check the box for **Use Printer's Default Screen's**. Click **OK** for **Halftone Screen** dialog.

7. Select **Print** from the **File** menu. Select your printer in the **Printer** field, the page you want to print, and the number of copies.

8. Select **Adobe Photoshop** from the pop-up menu and set the **Encoding** selection to **Binary**. Set the **Space** selection to **RGB** if the file is an RGB file. Also, you must uncheck **PostScript Color Management**.

9. Select **Printer Specific Options** from pop-up menu. If you want the file to be printed automatically, select **Print** in the **After Spooling** option. If you want to verify the print mode and the profile settings before printing the file, select **Hold**. Select **Hold** in the **After Printing** if you want to keep the file in the hold queue after the file is printed.

10. Click **Print** to start printing.

Adobe Photoshop Windows

Color Printing

1. In PhotoShop go to **Page Setup** in the **File** menu.

2. From the **Name** field select your printer.

3. Click the **Properties** button. Choose a paper size from the **Paper** field or select a **Custom Page** for a custom page size.

    *   If you choose a custom page size, you may enter the custom size by clicking the **Custom** button and entering the width and height. The paper size should match the canvas size created in Photoshop.

- If you choose a custom page, click **OK** to Custom Defined Size dialog.

4. Click the **Screens** button.

5. Check the box for **Use Printer's Default Screens**.

6. Select **Print from the File**.

7. Choose RGB from the **RGB Color** color if your file is an RGB file.

8. Choose **Binary** from the **Encoding** selection.

9. Uncheck **PostScript Color Management**.

10. Click **OK** to print.

QuarkXPress

QuarkXPress 4.1 Macintosh

Color Printing

1. In order to print successfully to QuarkXPress, you will need a special XTension. The name of the XTension is **PrintRGB**. This file is available on your Installation CD, in the Quark Files folder. Install the file to the **Quark XPress:XTensions** folder, before starting QuarkXPress.

2. Go to the **Apple** menu and select **Chooser**. Highlight **Adobe PS** and make sure that your printer is selected.

3. In QuarkXPress, select **Edit>Preferences>Color Management** and uncheck **Color Management Active**.

4. Click **File>Page Setup**.

5. In the **Printer Description** list, select your printer. Then click the **Output** tab to display it.

6. Select **Composite color** from the **Print Colors** list and **Printer** from the **Halftoning** list. Then click the **Page Setup** button.

7. Choose a standard paper size in the **Paper** field.

8. Select **Custom Page Default** from the pop-up menu, if a custom page size is required, and enter your custom page size. Click the **Add** button when you are finished, and then click **OK**. You are returned to the Output tab of the Print dialog.

9. Click the **Printer** button.

10. Select **Color Matching** from the menu. Then select **Color/ Grayscale** from the **Print Color** list.

11. Select **Printer Specific Options** from the menu.

12. Select the appropriate options, and then click **Print**. You are returned to the Print dialog box.

Printing from Client Applications

13. Click **Print** to start printing.

Spot Color Printing and Contour Cutting

1. In QuarkXPress, open the file that you want to contour cut, if it's not already open.

2. Create a new swatch library by selecting **Color** from the **Edit** menu. Be sure that the color names are the same as the ones shown in the Spot Color List on page 107. The names need to be an exact match with the Spot Color List in order to work. Create a color called **CutContour** for contour cutting. Name your swatch file.

3. Open the swatch file you created

4. Use the added color palette to create the new design.

5. Print the file as you normally would.

QuarkXPress 4.1 Windows

Spot Color Printing and Contour Cutting

1. In QuarkXPress, open the file that you want to contour cut, if it's not already open.

2. Create a new swatch library by selecting **Color** from the **Edit** menu. Be sure that the color names are the same as the ones shown in the Spot Color List on page 107. The names need to be an exact match with the Spot Color List in order to work. Create a color called **CutContour** for contour cutting. Name your swatch file.

3. Open the swatch file you created

4. Use the added color palette to create the new design.

5. Print the file as you normally would.

QuarkXPress 3.32 Macintosh

Color Printing

📄 QuarkXPress requires a Printer Description File (PDF) to access specific options of the printer. Install the appropriate PDF file for the resolution of your printer. PDF files for Quark can be found on the installation CD inside the Quark File folder. Copy the PDF to the 'Quark XPress:PDF' folder, before starting QuarkXPress.

1. Go to the **Apple** menu and select **Chooser**. Highlight **Adobe PS** and make sure your printer is selected.

2. Launch QuarkXPress. If you are using the EFIColor XTension, select **Edit>Preferences>EfiColor** and uncheck **Use EFI Color**.

3. Go to **File>Page Setup**.

4. Choose a standard paper size in the **Paper** field.

5. Select **Custom Page Default** from the pop-up menu if a custom page size is required, and enter your custom page size. Then enter a **Custom Page Name** and click the **Add** button.

6. Select **Page Attributes** from the pop-up menu. Select the defined Custom Page in the **Paper** field.

7. Select **Print** from the **File** menu and select your printer in the **Printer** field, the page you want to print, and the number of copies.

8. Select **Printer Specific Options** from pop-up menu. If you want the file to be printed automatically, select **Print** in the **After Spooling** option. If you want to verify the print mode and the profile settings before printing the file, select **Hold**. Select **Hold** in the **After Printing**, if you want to keep the file in the server software after the file is printed.

9. Click **Print** to start printing

Spot Color Printing and Contour Cutting

1. Choose **Edit>Colors**.

2. Click the **New** button and select the color you want to use for the screen representation of the color.

3. Give it a name as shown in the Spot Color List on page 107. The name needs to be an exact match with the Spot Color List in order to work. For a contour cut path use the color name **CutContour**. Clear the **Process Separation** checkbox and click **OK**.

4. Repeat steps 2 and 3 for any additional colors you want to add.

5. To assign these colors to an object, select **Style>Color** then select the color from the color list. Tint percentage can be assigned by choosing **Style>Shade** then select the tint percentage preferred. 100% will print the spot color with full coverage.

6. Send the job to print as you normally would. The server software will interpret the special color names and be able to print them as spot colors or as a contour cut path.

QuarkXPress 4.04

Spot Color Printing and Contour Cutting

1. Choose **Edit>Colors**.

2. Click the **New** button and select the color you want to use for the screen representation of the color.

3. Give it a name as shown in the Spot Color List on page 107. The names need to be an exact match with the Spot Color List in order to work. For a contour cut path use the color name **CutContour**. Turn on the **Spot Color** checkbox and click **OK**.

4. Repeat steps 2 and 3 for any additional colors you want to add.

5. To assign these colors to an object, select **Style>Color** then select the color from the color list. Tint percentage can be assigned by choosing **Style>Shade** then select the tint percentage preferred. 100% will print the spot color with full coverage.

6. Send the job to print as you normally would. The server software will interpret the special color names and be able to print them as spot colors or as a contour cut path.

PhotoPRINT DX/ PhotoPRINT EDITOR

Color Printing

1. There are two ways to send a job from PhotoPRINT DX. You can sent it using **File>Print** as in most other applications, or you can use **File>RIP and Print**. The **RIP and Print** option gives you additional options such as tiling.

2. Choose **File>Print**. From the Options dialog box set **PostScript data** to **Binary**. Click **OK**.

3. Click **OK** to send the print job.

Or

1. Choose **File>RIP and Print**.

2. Click **Send**.

📄 NOTE – Jobs sent from **RIP and Print** will show a limited set of Job Properties.

Spot Color Printing

1. Choose **View>Color>Color Specs**.

2. From the **Library** tab of **Color Specs**, select the **Vendor** and **Type** of the device.

3. Select the spot colors on the right and click the **Add** button to add them to the swatch table. Click **OK**.

4. To assign these colors to an object, select the object and choose the color on the swatch table. You can assign it a tint percentage by selecting **View>Color Mixer**. 100% will print the spot color with full coverage.

5. Send the job to print as you normally would. The server software will interpret the special color names and be able to print them as spot colors.

Contour Cutting

1. Select the objects that will have a contour cut.

2. Select **Contour Cut** from **Effect** menu.

3. Adjust the values in DesignCentral or drag the Control Point on **Contour Cut** line.

4. Click **Apply**.

5. Send the job to print as you normally would. The server software will interpret the contour cut and be able to send them as a contour cut path.

See "Contour Cutting and Virtual Hybrid Output" page 83 for details.

Appendix A – Supported File Formats

File formats supported in design application

File Format	Extension	Version
Adobe Illustrator	ai, EPS	10.0
Adobe PhotoShop	psd	6.0
AutoCAD Drawing	dwg	2000
CorelDraw Exchange Metafile	cmx	6.0
Drawing Exchange file	dxf	Note 1
Hewlett Packard Graphics Language (HPGL)	hpg, hgl, plt	Note 1
Hewlett Packard Graphics Language II (HPGL/2)	hpg, hgl, plt	Note 1
Joint Photograph Experts Group (JPEG)	jpg	Note 1
Kodak Flashpix	fpx	1.0
Kodak PhotoCD	pcd	Note 1
Macintosh Quickdraw PICT	pct	Note 1
Microsoft Widows Metafile	wmf	Note 1
Native Files	prt, plt	Note 1
Plot / Cut Job Files	job	Note 1
Portable Document Format (PDF)	pdf	1.3
Portable Network Graphics (PNG)	png	Note 1
PostScript	ps, EPS, 2ps, fjb, prn	2.0
Tag Image File Format (TIFF)	tif	Note 1
Targa	tga	2.0
Windows bitmap	Bmp	Note 1
Zsoft PC Paintbrush	pcx	5.0

Note1 : Version number does not exist or not available.

Appendix B – Keyboard Shortcuts

Add Job	CTRL+O
Move Job	CTRL+M
Job Properties	CTRL+J
Save Job As	CTRL+S
RIP Job	CTRL+R
Print Job	CTRL+P
Select All Jobs in Queue	CTRL+A
Delete	DEL/BKSP
Add Setup	CTRL+N
Setup Properties	CTRL+K
Online Help	F1
Refresh View	F5

Appendix B – Keyboard Shortcuts

Appendix C – Spot Color List

This section is for use when creating files that contain spot colors. Locate your printer manufacturer and model to find colors for your device. If your device is not listed below, please refer to the documentation that came with your output device for the correct spot color names.

Create a new color library with the colors for your device. Select colors or enter RGB values for colors. When you create a custom color library in your desktop application, please be sure to use the exact name of the color as it is listed below. Do not create colors with names that contain spaces. Use the underscore (_) character instead of spaces in file name:

Use the exact color name as listed below.

Assign the color library spot colors attribute.

📄   Without both of these, spot colors will not print properly.

Manufacturer/ Model	Spot Color Name
GCC Nautilus	Cyan Magenta Yellow Black S.Black Tomato Red Ruby Red Sapphire Blue Burgundy Orange O.Yellow Brown Green B.Gold B.Silver White Overlay M.Gold M.Silver
Mimaki JV2	Spot color

Manufacturer/ Model	Spot Color Name
Roland Color CAMM PC-50	Orange Green Red Blue White Gold Silver
Roland ColorCAMM PC-60	Red Blue White Gold Silver
Roland ColorCAMM PC-600	Green Orange Red Blue White Gold Silver
Roland ColorCAMM PC-5000	Green Orange Red Blue White Gold Silver
SummaChrome	Sunflower_Yellow Orange Tomato_Red Ruby_Red Burgundy Green Pine_Green Forest_Green Ocean_Blue Sapphire_Blue Blue White Matte_Silver Matte_Gold Mirror_Silver Mirror_Gold Leaf_Green Golden_Yellow

Manufacturer/ Model	Spot Color Name
Summa DC3	Red Green Blue Orange white silver Gold Gray Tomato Red Bright Blue Leaf Green Golden Yellow Burgundy Ocean Blue Pine Green Sunflower Yellow Intense Red Deep Blue Aqua Green

Appendix D – Features List

	PhotoPRINT SERVER-PRO	PhotoPRINT SERVER	PhotoPRINT SE
2. Preparing the Software to Receive Jobs from Clients			
File and Printer Sharing Setup	X	X	
Installing the AppleTalk Protocol	X	X	
Creating Shared Macintosh Volumes	X	X	
Setting Up Clients	X	X	
Windows Client Setup	X	X	
Macintosh Client Setup	X	X	
3. Getting Started With PhotoPRINT Server			
Entire Chapter	X	X	
4. Getting Started With PhotoPRINT SE			
Entire Chapter			X
5. Working with Output Device Setups			
Setup Vinyl Cutters	X	X	
Share Name	X	X	
Hot Folder Path	X	X	
Activating Setups	X	X	
Job Workflow Tab			
Hot folder	X	X	
Share Name	X	X	
After Receive	X	X	
Output Time	X	X	
Automatic Nesting Tab	X	X	
6. Working With Print Jobs			
Sending Jobs from an Application on a Client Computer	X	X	
Moving Jobs to a Different Output Device	X	X	
7. Setting Job Properties			
Layout Tab			

	PhotoPRINT SERVER-PRO	PhotoPRINT SERVER	PhotoPRINT SE
Page Range	X	X	
Page Nesting	X	X	
Workflow Tab			
After Output>Archive	X	X	
Priority	X	X	
Send Cut Job	X	X	
Print After	X	X	
Color Management Tab			
Dither type			
KF Diffusion	X	X	
Random Diffusion	X	X	
Use Color Mapping	X	X	
Color Profiler	X	Optional	Optional
Tile Tab	X	X	
Labels and Marks Tab	X	X	
Separations Tab	X	X	
Using Pure Hue Settings	X	X	
Setting Dither Options for Angled Screens	X	X	
Saving Screen Options to a Presets File	X	X	
Loading the Presets from a File	X	X	
8. Nesting Jobs			
Entire Chapter	X	X	
9. Tiling and Cropping Jobs			
Entire Chapter	X	X	
10. Working with Color			
Using the Color Profiler	X	Optional	Optional
Using Custom Color Mapping	X	X	
Using Global Color Mapping	X	X	
11. Using Ink Estimation			
	Optional	Optional	Optional

	PhotoPRINT SERVER-PRO	PhotoPRINT SERVER	PhotoPRINT SE
12. Contour Cutting and Virtual Hybrid Output			
Virtual Hybrid Output	X	X	
Appendix A – Supported File Formats			
Adobe Photoshop	X	X	
AutoCAD Drawing 14 DWG	X	X	
CorelDraw Exchange MetaFile CMX	X	X	
DWG 14	X	X	
HPGL/2	X	X	
Appendix B – Keyboard Shortcuts			
Move Job	X	X	

Index