



Xerox EX Print Server, Powered by Fiery[®],
for the Xerox 700 Digital Color Press



Print Options

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45069895
23 April 2008

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INTRODUCTION

This document provides a description of print options for the Xerox EX Print Server, Powered by Fiery, for the Xerox 700 Digital Color Press.

For information about supported operating systems and system requirements, see [Welcome](#).

Terminology and conventions

This document uses the following terminology and conventions.

Term or convention	Refers to
Aero	EX Print Server (in illustrations and examples)
Digital press	Xerox 700 Digital Color Press
EX Print Server	Xerox EX Print Server, Powered by Fiery, for the Xerox 700 Digital Color Press
Mac OS	Apple Mac OS X
Titles in <i>italics</i>	Other documents in this set
Windows	Microsoft Windows 2000, Windows XP, Windows Server 2003, Windows Vista
	Topics for which additional information is available by starting Help in the software
	Tips and information
	Important information
	Important information about issues that can result in physical harm to you or others

About this document

This document covers the following topics:

- Information about printer drivers, printer description files, and setting EX Print Server print options
- Brief explanations of each print option, default settings, and any constraints or requirements
- Additional details about specific print options

PRINT OPTIONS OVERVIEW

This chapter describes printer drivers and printer description (PPD/PDD) files, EX Print Server print options, and locations for setting print options.

About printer drivers and printer description files

The EX Print Server receives files from computers on the network, processes (RIPs) the files, and then sends them to the digital press. Windows and Mac OS computers communicate with the EX Print Server by means of a printer driver and PPD (PostScript Printer Description) files. Windows computers can also communicate with the EX Print Server by means of a Printer Control Language (PCL) printer driver and PDD files (PCL's equivalent of PPD files). Both drivers enable you to use special features of the EX Print Server from the Print dialog box.

A printer driver manages printing communication between your application and the printer. It interprets the instructions generated by the application, merges those instructions with printer-specific options you set, and then translates all information into Adobe PostScript or PCL, languages the printer understands. In other words, the printer driver writes a PostScript or PCL file based on your original file and the options you set from the Print dialog box.

A printer driver also allows you to select print options for your digital press. To do this, the printer driver must be matched with a PPD/PDD file for your EX Print Server. A PPD/PDD file contains information about the features and capabilities of a particular device (for example, what paper sizes and media types are supported). The printer driver reads the information in the PPD/PDD file and presents the information to you in the form of options you select in the Print dialog box. The PPD/PDD file for the EX Print Server includes information about the features of both the digital press and the EX Print Server. For information about the specific print options for the EX Print Server, see the table that begins on [page 10](#).

About Print options

Print options give you access to the special features of your digital press and EX Print Server. Print options can be specified in several places—in EX Print Server Setup, or from the printing application, ColorWise Pro Tools, Hot Folders, or Command WorkStation.

Setting print options

- During Setup

Some settings are specified during Setup by the administrator. For information about the current default server settings, contact the administrator or the operator.

- From applications

With the printer drivers, you can specify job settings when you print a job. For information about specifying job settings from Windows applications, see [Printing from Windows](#). For information about specifying job settings from Mac OS applications, see [Printing from Mac OS](#).

- From ColorWise Pro Tools

You can set the default CMYK Simulation Profile, CMYK Simulation Method, RGB Source Profile, RGB Separation, Output Profile, Rendering Style, Spot Color Matching, Black Text/Graphics, and Black Overprint settings from ColorWise Pro Tools. For more information about using ColorWise Pro Tools, see [Color Printing](#).

- From Hot Folders

Assign a group of print options to a Hot Folder. When you specify print options for a Hot Folder, the print options are assigned to all jobs sent through that Hot Folder. These print options override any default options.



For more information, see Hot Folders Help.

- Overrides from Command WorkStation

To change job settings from Command WorkStation, double-click a job to display the Properties dialog box.



For more information about using Command WorkStation, see Command WorkStation Help.

Print option override hierarchy

The override hierarchy is as follows:

- A user's printer driver settings override the EX Print Server Setup and ColorWise Pro Tools settings.
- Settings made to Hot Folders override the user's printer driver settings.
- Settings made from Command WorkStation Job Properties override the user's printer driver settings.

PRINT OPTIONS

This chapter explains each print option, default setting, location of the print option in the printer driver, and any constraints or requirements. It also provides additional detail about specific print options, beginning on [page 33](#).

Print options and settings

In the following table, underlined settings in the Option and settings column indicate default printer driver settings (PPD/PDD defaults). If you do not use the printer driver interface to configure a particular option, the EX Print Server prints the job with the underlined default setting.

The Printer driver location column lists where to find the print option in the EX Print Server printer driver.

For options that you configure in Command WorkStation, Configure WebTool, or ColorWise Pro Tools, choosing Printer's default results in the EX Print Server printing the job with the setting you specified in Setup. For options that cannot be configured in Setup, the EX Print Server prints the job with a preconfigured Printer's default setting. For more information, see the Requirements, constraints, and information column in the table.

To determine the current Setup defaults, print the Configuration page from Command WorkStation. For information about printing a Configuration page, see [Configuration and Setup](#).

Print options

Option and settings (default setting is underlined)	Printer driver location	Description	Requirements, constraints, and information
<u>2-Color Print Mapping</u> <u>Off/On</u>	ColorWise	Specify if you want to replace spot colors with generic colors when you are creating a print job.	This option is available as part of the Fiery Graphic Arts Package, Premium Edition. For more information, see Graphic Arts Package . NOTE: This option is not available for PCL printing.
<u>Auto Trapping</u> <u>Printer's default/On/Off</u>	Color	Use this option to ensure the proper fit and registration of adjacent colors. Specify On to automatically trap text and graphics.	Printer's default reflects the setting specified in ColorWise Pro Tools Setup. For more information, see page 33 . NOTE: This option is not available for PCL printing.
<u>Black Detection</u> <u>On/Off</u>	Color	Select Off if your job consists of black only text pages combined with a significant number of color pages. Select On if the job is predominantly black and white.	To use this setting, you must set Print Mode (Windows) or Color Mode (Mac) to CMYK, Standard Color, or Expert Color. For more information, see Color Printing . NOTE: This setting is not available for PCL printing.
<u>Black Overprint</u> <u>Printer's default/</u> <u>Off/</u> <u>Text/</u> <u>Text/Graphics</u>	Color	Specify the type of black overprint style, which determines whether black text overprints colored backgrounds. Select Text to overprint black text. Select Text/Graphics to overprint black text and graphics.	To access this option, click Expert Settings. NOTE: If Two-Way Communication is not enabled, this option is set to Printer's default, which reflects the setting specified in ColorWise Pro Tools. If this option is set to Text or Text/Graphics, you must set the Combine Separations option to Off. To select this setting, you must enable Black Text/Graphics. For more information, see Color Printing . NOTE: This option is not available for PCL printing.

Option and settings (default setting is underlined)	Printer driver location	Description	Requirements, constraints, and information
<u>Black Text/Graphics</u> Printer's default/Pure Black On/ Rich Black On/Normal	Color	<p>Select Normal to print black text and graphics as a four-color black using C, M, Y, and K toner, and to use normal PostScript rendering.</p> <p>Select Pure Black On to print black text and graphics as a one-color black, using 100% black toner only.</p> <p>Select Rich Black On to print black text and graphics as a one-color black, using 100% black toner, plus some amount of cyan to make the black even darker.</p>	<p>To access this option, click Expert Settings.</p> <p>Printer's default reflects the setting specified in ColorWise Pro Tools Setup.</p> <p>For more information, see Color Printing.</p> <p>NOTE: This option is not available for PCL printing.</p>
Booklet	Layout		<p>For a list of options and available settings, see the table on page 27. For additional information, see page 33.</p>
<u>Brightness</u> 85% Lightest/90% Lighter/95% Light/100% Normal/ 105% Dark/ 110% Darker/ 115% Darkest	Image	<p>Select 85% for a substantially lighter image, 115% for a substantially darker image, or use one of the settings in between.</p>	<p>NOTE: This option is not available for PCL printing.</p>
<u>CMYK Simulation Method</u> Quick/Full (Source GCR)/ Full (Output GCR)	Color	<p>Select Quick to use one-dimensional transfer curves to adjust density output of individual color channels.</p> <p>Select Full (Source GCR) for a more complete and accurate simulation. Full (Source GCR) applies colorimetric transformations that adjust hue as well as output density. This option produces output that maintains the same amount of black as the source document.</p> <p>Select Full (Output GCR) to apply the same simulation method as Full (Source GCR), except that the output produced contains an amount of black determined by the Output Profile.</p>	<p>To access this option, click Expert Setting.</p> <p>For more information, see Color Printing.</p> <p>NOTE: This option is not available for PCL printing.</p>

Option and settings (default setting is underlined)	Printer driver location	Description	Requirements, constraints, and information
<p>CMYK Simulation Profile <u>DIC (EFI)/Euroscale (EFI)/</u> <u>ISO Coated/ISO Uncoated/</u> <u>JMPA ver.2 (EFI)/</u> <u>Japan Color 2001 type 1 (EFI)/</u> <u>SWOP-Coated (EFI)/</u> <u>TOYO Offset Coated 2.0/</u> <u>Simulation-1/Simulation-2/</u> <u>Simulation-3/Simulation-4/</u> <u>Simulation-5/Simulation-6/</u> <u>Simulation-7/ Simulation-8/</u> <u>Simulation-9/Simulation-10/</u> <u>None/ColorWise OFF</u></p>	Color	Specify the simulation goal to use for the current print job.	<p>To access this option, click Expert Settings.</p> <p>For more information, see Color Printing.</p> <p>NOTE: If Two-Way Communication is enabled, Simulation 1– Simulation 10 do not appear in the list of profiles.</p> <p>NOTE: If Two-Way Communication is enabled, the profile names differ slightly.</p> <p>NOTE: This option is not available for PCL printing.</p>
<p><u>Collate</u> <u>On/Off</u></p>	Finishing	Specify how to output multiple-page/multiple-copy jobs.	
<p>Color Mode (Mac and PCL drivers) <u>Printer's default/CMYK/Grayscale</u></p> <p>Print Mode (PostScript printer driver) <u>Standard Color/Expert Color/</u> <u>Grayscale</u></p>	Color	<p>Specify the color mode for the current print job.</p> <p>Select CMYK, Standard Color, or Expert Color for a full-color document.</p> <p>Select Grayscale for a grayscale or black-and-white document.</p>	<p>NOTE: The color or black-and-white settings specified in third-party applications do not control whether a job prints in color or black and white. If you combine other options with those set in the EX Print Server printer driver, output may not print as desired.</p> <p>You must choose Expert Settings to set other color print options, including Black Overprint, Black Text/Graphics and Print Gray using Black Only.</p> <p>For more information, see Color Printing.</p>
<p><u>Combine Separations</u> <u>On/Off</u></p>	Color	<p>When printing separations from supported desktop publishing applications:</p> <p>Select On to combine separations on a single page. The result is one page of overprinted colors that simulates printing on a press from film separations.</p> <p>Select Off to view separations as four individual black-and-white pages, each representing one color plate.</p>	<p>For more information, see Color Printing.</p> <p>NOTE: This option is not available for PCL printing.</p>

Option and settings (default setting is underlined)	Printer driver location	Description	Requirements, constraints, and information
<u>Composite Overprint</u> On/Off	Color	Specify how to print the colors of overlapping images. Select On to print a combination of background and foreground colors where objects overlap. Select Off to hide the background object where images overlap.	For more information, see Color Printing . NOTE: This option is not available for PCL printing.
<u>Control Bar</u> <u>Printer's default</u> /On/Off	Job Info	Specify On to print a Control Bar (for print job identification) in the margin.	This option is available as part of the Fiery Graphic Arts Package, Premium Edition. For more information, see Graphic Arts Package . Printer's default reflects the setting specified in ColorWise Pro Tools setup. NOTE: This option is not available for PCL printing.
<u>Copies</u> 1-9999	Job Info	Specify the number of copies of a job you want to print.	
<u>Define Record length</u> On/Off	VDP	This feature allows you to process a PDF or PostScript file like a variable data print job, and to apply record-based finishing.	This option is used in connection with the Pages Per Record option. For more information, see Variable Data Printing . NOTE: This option is not available for PCL printing.
<u>Document Size</u> <i>List of available sizes</i> <u>(8.5x11 (Letter) LEF=default)</u> / <u>PostScript Custom Page Size/</u> <u>Custom</u>	Media	Document size is defined in your original application's Page setup (or Print setup) dialog box. Use this option to specify or override the page size defined in your document by doing one of the following: Select from the list of available sizes in the Document size menu. (SEF stands for Short Edge Feed; LEF stands for Long Edge Feed.) Select PostScript Custom Page Size to define a non-standard size (for PostScript printing). Select Custom to define a non-standard size (for PCL printing).	NOTE: If the Document size is different from the selected Paper size, the image is scaled and printed at the specified Paper size. For information about Document size and Paper size, see page 35 . For information about printing custom page sizes, see Printing from Windows or Printing from Mac OS .

Option and settings (default setting is underlined)	Printer driver location	Description	Requirements, constraints, and information
<u>Duplex</u> Off/Top-Top/Top-Bottom	Layout	Specify whether a job is printed single-sided or double-sided (duplex), by specifying the orientation of printed pages.	For more information, see page 35 .
Face-Down Printing Printer's default/ <u>Face Up</u> / Face Down	Finishing	Select Face Up to print your document on the top of the sheet of paper. Select Face Down to print your document on the bottom of the sheet of paper (the document outputs from the digital press with the text facing down).	Printer's default reflects the setting specified in EX Print Server Setup.
<u>Fasten Mode</u> Off/Fold & Staple/Folding Only	Layout	Specify if you want your job stapled and folded or just folded.	A finisher must be installed to use this option. For information on installing finishers, see Printing from Windows or Printing from Mac OS .
File Search Path	VDP	Some PPML and other types of jobs do not contain all of the variable data job resources in a single file. In these cases, on a job per job basis, specify the location of the variable data job external resources so that the EX Print Server can access them.	For more information, see Variable Data Printing . NOTE: This option is not available for PCL printing.
<u>FreeForm: Create Master</u> None/1-100	VDP	To create a FreeForm master from your job, specify a number to assign to the FreeForm master file. NOTE: Command WorkStation allows you to create up to 100 FreeForm Masters.	For more information, see Variable Data Printing . For information on creating masters in Command WorkStation, see Command WorkStation Help. NOTE: This option is not available for PCL printing.
<u>FreeForm: Preview Master</u> <i>Click to preview</i>	VDP	Click to generate a low-resolution image of the selected FreeForm Master.	This option is selectable only if you enable Use Master. For more information, see Variable Data Printing . NOTE: This option is not available for PCL printing.

Option and settings (default setting is underlined)	Printer driver location	Description	Requirements, constraints, and information
FreeForm: Print Master <u>Printer's default</u> /No/Yes	VDP	When you create a Master page using FreeForm (or other variable data applications), use this option to verify or confirm your Master page. Select Yes to print Master page. NOTE: Applicable click charges occur when you print the Master.	Printer's default reflects the setting specified in EX Print Server Setup. This option is selectable only if Create Master is enabled. For more information, see Variable Data Printing . NOTE: This option is not available for PCL printing.
FreeForm: Use Master <u>None</u> /1-100	VDP	For variable data print jobs, specify the FreeForm master to use for the job. NOTE: Command WorkStation allows you to create and use up to 100 FreeForm Masters.	For more information, see Variable Data Printing . For information about using FreeForm masters in Command WorkStation, see Command WorkStation Help. NOTE: This option is not available for PCL printing.
Gang-up print	Layout		For a list of options and available settings, see the table on page 31 . For additional information, see page 37 .
Gloss Level <u>On</u> /Off	Image	Specify On if you want to gloss the image to print like a photograph.	
Halftone Simulation <u>Off</u> /Application Defined/ Newsprint/ User Defined Screen1/ User Defined Screen2/ User Defined Screen3	Image	Specify a halftone screening method for your print job. Select Application Defined to use the screening set by the application. Select Newsprint if you want a look similar to that of a newspaper. Select User Defined 1-3 to use the screening set by the EX Print Server.	The User Defined Screen 1-3 settings reflect the setting specified in EX Print Server Setup. For more information, see Graphic Arts Package . NOTE: This option is not available for PCL printing.
Hole Punching <u>Off</u> /2 Holes/3 Holes/4 Holes	Finishing	Specify if you want to punch two, three, or four holes.	To specify the position of holes, use the separate Punch Position option. For more information, see page 40 .
Image Quality <u>Normal</u> /Best	Image	Use this option to optimize the image resolution in job. Select Normal for lower resolution with faster printing time. Select Best for higher resolution with slower printing time.	NOTE: This option is not available for PCL printing.

Option and settings (default setting is underlined)	Printer driver location	Description	Requirements, constraints, and information
Image Shift <u>Off</u> /On	Finishing	Select On to adjust an image on the page to allow for finishing options, such as stapling or punching.	For more information, see page 37 . NOTE: This option is not available for PCL printing.
Image Shift: Align front and back images <u>Off</u> /On	Finishing	Select On to align the front cover image to the back cover image when using the Image Shift print option.	For more information, see page 37 . NOTE: This option is not available for PCL printing.
Image Shift: Units inches/ <u>mm</u> /points	Finishing	Specify the measurement value (inches, millimeters, or points) when using the Image Shift print option.	For more information, see page 37 . NOTE: This option is not available for PCL printing.
Image Smoothing On/ <u>Off</u>	Image	Select On to minimize grainy output when printing low-resolution images. When you select On, Image Smoothing is applied to all images.	NOTE: This option is not available for PCL printing.
Instructions	Job Info	Type instructions for the operator about the job.	This field has a 127-character (alphanumeric and special characters) limit.
Job Monitor	Printer	Use Job Monitor to monitor the status of the digital press and view information about the print jobs sent to it.	For information about configuring job monitor, see Printing from Windows . NOTE: This option is not supported for Mac OS.
Manual Duplex On/ <u>Off</u>	Layout	Select On if you want to manually load duplex pages in the bypass tray.	For more information, see page 40 .
Media Type <u>Use Machine Settings/</u> Uncoated/Uncoated Side 2/ Transparency/Tab/Label/ Recycled/Prepunched/ Coated/Coated Side 2/ Transfer/Post Card/Custom 1/ Custom 2/Custom 3/Custom 4/ Custom 5/Custom 6/Custom 7/ Custom 8/Custom 9/Custom 10	Media	Select the media type on which to print the document. Select Use Machine Settings to use the media that is set in the digital press. NOTE: “Side 2” settings automatically adjust the fuser temperature for the second side when duplex printing.	
Media Weight <u>64-80gsm</u> /81-90 gsm/ 91-105gsm/106-128gsm/ 129-150gsm/151-176gsm/ 177-220gsm/221-256gsm/ 257-300gsm	Media	Select the weight for media on which to print the document.	

Option and settings (default setting is underlined)	Printer driver location	Description	Requirements, constraints, and information
<u>Mirror</u> Off/On	Layout	Select this option to print the mirror image of your print job (from right to left).	NOTE: This option is not available for Mac or PCL printing.
<u>Mixed Media</u> <i>Click to define</i>	Media	Click Define to specify the media types used for specific pages, or ranges of pages, or for printing front and back covers on special media.	NOTE: This option is not available for PCL printing. For information about Mixed Media, see Utilities .
<u>Notes 1/Notes 2</u>	Job Info	Enter information about the job.	The Notes field has a 31-character limit.
<u>Offset Mode</u> Printer's default/On/Off	Finishing	Select On to offset (shift in output tray) the job.	Printer's default reflects the setting specified in EX Print Server Setup.
<u>Orientation</u> Portrait/Landscape	Layout	Specify Portrait or Landscape page orientation of the document.	
<u>Output Profile</u> Printer's default/ Use Media Defined Profile/ Use Server's Default/ Use Output Profile: Output-1/ Output-2/Output-3/Output-4/ Output-5/Output-6/Output-7/ Output-8/Output-9/Output-10	Color	Specify the output profile to use for the job. Select Use Media Defined Profile to automatically use the media type profile assigned to a print job. Select Use Server's Default to use the default Output Profile set in Color Setup. Select Use Output Profile to use custom profiles available from the pull-down menu.	Printer's default reflects the setting specified in ColorWise Pro Tools setup. To access this option, click Expert Settings. For more information, see Color Printing . NOTE: This option is not available for PCL printing.
<u>Output Tray</u> AutoSelect/ SCT/OCT/ Finisher Top Tray/ Finisher Stacker Tray/ Booklet Output Tray/ Tri-Fold Output Tray/ HCS Top Tray/ HCS Stacker Tray	Finishing	Specify the output bin for the job.	For information about installing optional finishers and trays, see Printing from Windows or Printing from Mac OS .
<u>Page Order</u> Forward/Reverse	Finishing	Specify how the pages of your job are ordered in the digital press output tray. Select Forward to produce a stack that is in sequential reading order (with the first page on the top of the stack). Select Reverse to produce a stack that is in reverse order (with the first page on the bottom of stack).	

Option and settings (default setting is underlined)	Printer driver location	Description	Requirements, constraints, and information
Page Order <i>Click to define</i>	Layout	When printing multiple document pages per sheet, click the Page Order icons to specify the layout direction (left to right horizontal, left to right vertical, right to left horizontal, or right to left vertical) of the document pages.	NOTE: The Page Order icons are only selectable when Pages per sheet is set to 2-up or greater.
Pages Per Record <u>0/0-999</u>	VDP	Use this option to define record-based (rather than job-based) finishing, based on the number entered.	This option is used with the Define Record Length option. For more information, see Variable Data Printing . NOTE: This option is not available for PCL printing.
Pages per sheet <u>1-up/2-up/4-up/6-up/9-up/16-up</u>	Layout	Specify a page layout for the job.	Use the Page Order icons to specify the layout direction of pages on the sheet.
Paper Catalog <i>Select Media</i>	Media	Click Select Media to access the Paper Catalog utility, which retrieves all paper information from digital press.	For information about using Paper Catalog, see Utilities and Paper Catalog Help. NOTE: This option is not available for PCL printing.
Paper Size <i>List of available sizes</i> <u>Same as Document Size/</u> Define custom size	Media	Paper size defines the dimensions of the actual paper on which your document will print. Use this option to specify the paper size by doing one of the following: Select from the list of available sizes in the Paper size menu. (SEF stands for Short Edge Feed; LEF stands for Long Edge Feed.) Select Same as Document Size to use the same document and paper size. Select Define custom size to define a non-standard size.	NOTE: If the Document size is different from the selected Paper size, the image is scaled and printed at the specified Paper size. For information about Document size and Paper size, see page 35 . For information about printing custom page sizes, see Printing from Windows or Printing from Mac OS .

Option and settings (default setting is underlined)	Printer driver location	Description	Requirements, constraints, and information
<p>Paper Source <u>AutoSelect</u>/Tray 1/Tray 2/Tray 3/ Tray 5 (Bypass)/Tray 6/ Tray 6 (Oversized)/ Tray 7 (Oversized)/ Tray 8 (Inserter)</p>	<p>Media</p>	<p>Specify the paper tray to use for the job.</p> <p>AutoSelect automatically selects the tray containing the paper size specified for the job.</p> <p>Trays 1–3 and Tray 6 are used to print using the media selected from the digital press.</p> <p>Tray 5 (Bypass) is used to print using the media selected from the printer driver.</p> <p>Tray 6 (Oversized) and Tray 7 (Oversized) are used for large size print jobs.</p> <p>Tray 8 (Inserter) is typically used for printing covers and for post-fusing.</p>	<p>To use Tray 6, Tray 6 (Oversized), Tray 7 (Oversized) and Tray 8 (Inserter), these options must first be installed.</p> <p>For information on installing optional trays and finishers, see Printing from Windows or Printing from Mac OS.</p>
<p>Postflight <u>Off</u>/Detailed Report/Concise Report/Test Page/Color-coded Pages</p>	<p>Job Info</p>	<p>Specify whether or not you want to use the Postflight feature, a diagnostic tool that allows you to analyze how data is processed by the EX Print Server.</p>	<p>This option is available as part of the Fiery Graphic Arts Package, Premium Edition. For more information, see Graphic Arts Package.</p> <p>NOTE: The Progressives and Postflight features cannot be used at the same time.</p> <p>NOTE: This option is not available for PCL printing.</p>
<p>Print Border (PS) Print Page Borders (PCL) <u>On/Off</u></p>	<p>Layout</p>	<p>When printing multiple pages per sheet, specify On to print a border around each page in your document.</p>	
<p>Print gray using black only (CMYK) Printer's default/ <u>Off</u>/ Text/Graphics/ <u>Text/Graphics/Images</u></p>	<p>Color</p>	<p>Select these settings to print a CMYK job using black toner instead of processed black.</p> <p>Select Text/Graphics to render text and graphic elements (vectors) in grayscale using black only, when cyan=0, magenta=0, and yellow=0 and the black (K) value is between 1 and 100.</p> <p>Select Text/Graphics/Images to render text, graphic elements (vectors), and images (rasters) in grayscale using black only, when cyan=0, magenta=0, and yellow=0 and the black (K) value is between 1 and 100.</p>	<p>To access this option, click Expert Settings</p> <p>Printer's default reflects the setting specified in ColorWise Pro Tools Setup.</p> <p>This option is designed to use black efficiently, by using only black toner (rather than a processed black), and to reduce click charges, ensuring that a single black-and-white charge is incurred, instead of multiple color when using a processed black.</p> <p>For more information, see Color Printing.</p>

Option and settings (default setting is underlined)	Printer driver location	Description	Requirements, constraints, and information
<p>Print gray using black only (RGB) <u>Printer's default/Off/</u> Text/Graphics/ Text/Graphics/Images</p>	Color	<p>Select these settings to print an RGB job using black toner instead of processed black.</p> <p>Select Text/Graphics to render text and graphic elements (vectors) in grayscale using black only, rather than processed black, when the colors are defined with equal values in all three channels, for example red=128, green=128, and blue=128.</p> <p>Select Text/Graphics/Images to render text, graphics (vectors), and images (rasters) in grayscale using black only, when the colors are defined with equal values in all three channels, for example red=128, green=128, and blue=128.</p> <p>For both settings, RGB values can range from R=0,G=0, B=0 to R=255,G=255, B=255.</p>	<p>To access this option, click Expert Settings</p> <p>Printer's default reflects the setting specified in ColorWise Pro Tools Setup.</p> <p>This option is designed to use black efficiently, by using only black toner (rather than a processed black), and to reduce click charges, ensuring that a single black-and-white charge is incurred, instead of multiple colors when using a processed black.</p> <p>The option is especially useful with PowerPoint and other Microsoft applications, which do not always properly register RGB conversion to grayscale.</p> <p>For more information, see Color Printing.</p>
<p>Print Range <u>All/Even/Odd</u> Pages/Records/Sheets</p>	Job Info	<p>Select All, Even or Odd pages; or enter a range of pages with the following options:</p> <p>Select Pages for regular print jobs.</p> <p>Select Records for regular variable data printing (VDP) jobs.</p> <p>Select Sheets for imposed VDP and imposed jobs.</p>	<p>NOTE: This option is only available in Command WorkStation Job Properties.</p>
<p>Print Queue Action <u>Print/Print and Hold/</u> Process and Hold</p>	Job Info	<p>Select Print to send the file directly to printing.</p> <p>Select Print and Hold to save the raster file after printing.</p> <p>Select Process and Hold if you want the job to RIP (process) and not print.</p>	<p>These settings allow for quicker printing and also for a "Wait and Proof" function using Command WorkStation or the digital press control panel:</p> <p>When a multiple-set job is sent using Print and Hold, a single set of the job is printed and the raster data for the job is held in the queue. You can then proof the initial copy and select the job in the Hold queue, specifying the number of copies that you want to print (without reprocessing data).</p> <p>When you select Process and Hold, the raster data is processed and the job is added to the Hold queue. You can then select the job using Command WorkStation or at the copier (without reprocessing data).</p>

Option and settings (default setting is underlined)	Printer driver location	Description	Requirements, constraints, and information
Printer Screen Mode <u>Printer's default</u> / 200 Cluster Dot/ 200 Rotated Line/ <u>Enhanced Text</u> / Enhanced Text & Graphics	Image	Select a predefined halftone screen to set the dots- or lines-per-inch of the raster used during printing. Select 200 Cluster Dot for Text=200 Dot, Graphics=200 Dot, Image=200 Dot. Select 200 Rotated Line for Text=200 Line, Graphics=200 Line, Image=200 Line. Select Enhanced Text for Text=300 Line, Graphics=200 Dot, Image=200 Dot. Select Enhanced Text & Graphics for Text=300 Line, Graphics=300 Line, Image=200 Dot.	Printer's default reflects the setting specified in EX Print Server Setup.
Progressives <u>On/Off</u>	Job Info	Specify On to enable the Progressives feature, a diagnostic tool used to show toner separations.	This feature uses the Progressives values specified in ColorWise Pro Tools Setup. This option is available as part of the Fiery Graphic Arts Package, Premium Edition. For more information, see Graphic Arts Package . NOTE: The Progressives and Postflight features cannot be used at the same time. NOTE: This option is not available for PCL printing.
Punch Position <u>None/Left/Right/Top</u>	Finishing	Specify the hole punch position for the job.	To specify the number of holes, use the separate Hole Punching option. For more information, see page 40 .
Remove White PPT Background <u>On/Off</u>	VDP	Select On when using PowerPoint to create variable data in conjunction with FreeForm.	NOTE: This option is not available for PCL printing.

Option and settings (default setting is underlined)	Printer driver location	Description	Requirements, constraints, and information
Rendering Style Printer's default/ <u>Photographic</u> /Presentation/ Relative Colorimetric/ Absolute Colorimetric	Color	Specify a default color rendering dictionary (CRD) to use when you print images, objects, and text. Select Photographic when printing photographs, including scans and digital camera images. Select Presentation when printing artwork and graphs, or for mixed pages containing graphics and photographs. Select Relative Colorimetric when color matching is important, but you prefer white colors to print as paper white. Select Absolute Colorimetric when exact colors are needed and visible borders are not distracting.	Printer's default reflects the setting specified in ColorWise Pro Tools Setup. To access this option, click Expert Settings For more information, see Color Printing .
RGB Separation Printer's default/ <u>Simulation</u> / Output	Color	Select Simulation for RGB jobs to simulate an output device other than the device to which you are printing. Select Output for RGB jobs you are printing to the final output device.	Printer's default reflects the setting specified in ColorWise Pro Tools Setup. To access this option, click Expert Settings For more information, see Color Printing . NOTE: This option is not available for PCL printing.
RGB Source Profile Printer's default/ Apple Standard/sRGB (PC)/ Adobe RGB (1998)/ <u>ECI-RGB</u> /Ficry RGB v 5/EFIRGB/ Source-1/Source-2/Source-3/ Source-4/Source-5/Source-6/ Source-7/Source-8/Source-9/ Source-10/None	Color	Specify a source color space definition for printing RGB images, objects, and text.	Printer's default reflects the setting specified in ColorWise Pro Tools Setup. To access this option, click Expert Settings. NOTE: If Two-Way Communication is enabled, Source 1– Source 10 do not appear in the list of profiles. NOTE: If Two-Way Communication is enabled, the profile names differ slightly. For information about setting up Two-Way Communication, see Printing from Windows or Printing from Mac OS . For more information, see Color Printing . NOTE: This option is not available for PCL printing.
Rotate 180 Yes/ <u>No</u>	Layout	Specify if you want to rotate the pages of your job 180 degrees.	

Option and settings (default setting is underlined)	Printer driver location	Description	Requirements, constraints, and information
Scale <u>100%</u> /25-400%	Layout	Specify a scaling override for the job.	The supported range is 25 to 400 percent. For more information, see page 43 .
Scale to Fit <u>On</u> /Off	Layout	Specify whether to automatically scale your print job to fit a particular page size.	For more information, see page 43 .
Schedule Printing <u>On</u> /Off	Job Info	Specify if you want to perform advance print scheduling based on date and time. If you select On, select the date and time for the print job.	The job is printed based on the date and time set on the EX Print Server, not the client workstation. If multiple jobs are selected and defined with the same date and time setting, job order is based on alphabetic order of the file names. NOTE: This option is not available for PCL printing. NOTE: This option is only accessible from Command WorkStation.
Secure Print	Job Info	This feature provides security for sensitive or confidential print jobs. Enter an arbitrary password and re-enter it at the digital press control panel when you are present at the digital press.	For more information, see page 44 . For more detail, see the documentation that accompanies your digital press.
Single Page Folding <u>Off</u> /Single Fold/C Fold/Z Fold/ Z Fold Half Sheet	Finishing	Specify how you want your job folded.	A finisher must be installed to use the folding option. For information on installing finishers, see Printing from Windows or Printing from Mac OS .
Slip Sheet <u>On</u> /Off	Media	Specify whether to insert a slip sheet between copies or pages of multiple-copy jobs.	This option is effective only for non-sorted or collated jobs.
Slip Sheet Page Size <i>List of available sizes</i> <u>(8.5x11 (Letter) LEF=default)</u>	Media	Specify the slip sheet page size by selecting from the list of available sizes. SEF stands for Short Edge Feed; LEF stands for Long Edge Feed.	
Slip Sheet Paper Source Tray 1/Tray 2/Tray 3/ <u>Tray 5 (Bypass)</u> /Tray 6/ Tray 6 (Oversized)/ Tray 7 (Oversized)/ Tray 8 (Inserter)	Media	Specify the paper tray to use for the slip sheet.	To use Tray 6, Tray 6 (Oversized), Tray 7 (Oversized) and Tray 8 (Inserter), these options must first be installed. For information about installing optional trays and finishers, see Printing from Windows or Printing from Mac OS .

Option and settings (default setting is underlined)	Printer driver location	Description	Requirements, constraints, and information
Spot Color Matching <u>Printer's default/Off/On</u>	Color	<p>Select Off to print specified PANTONE colors in your job using the current CMYK Simulation and CMYK Simulation Method.</p> <p>Select On to activate the PANTONE Lookup Table. The EX Print Server prints specified PANTONE colors in your job by matching the CMYK print blend to the same color from the PANTONE library.</p>	<p>Printer's default reflects the setting specified in ColorWise Pro Tools Setup.</p> <p>To access this option, click Expert Settings</p> <p>For more information, see Color Printing.</p> <p>NOTE: This option is not available for PCL printing.</p>
Stapler Mode <u>Off/Left Bottom Single/Right Bottom Single/Left Top Single/Right Top Single/Left Double/Bottom Double/Right Double/Top Double/Bottom Center/Left Center/Right Center/Top Center</u>	Finishing	Specify how to staple multiple-page/multiple copy jobs.	
Substitute Colors <u>On/Off</u>	Color	Specify On to use the Substitute Color Values defined in the ColorWise Pro Tools Spot-On module.	For more information, see Color Printing .
Text/Graphics Edge Enhancement <u>Printer's default/On/Off</u>	Image	Specify if you want to sharpen the edges of text or vector graphics.	NOTE: This option is not available for PCL printing.
Text/Graphics Quality <u>Normal/Best</u>	Image	<p>Text/Graphics Quality affects the sharpness and fineness of text and graphics in the job, with a trade-off in processing speed.</p> <p>Select Normal for a good quality and faster processing speed.</p> <p>Select Best for the sharpest possible text and graphic edges with slower processing speed.</p>	NOTE: This option is not available for PCL printing.
Transparency Interleave Paper Source <u>Tray1/Tray 2/Tray 3/Tray 5 (Bypass)/Tray 6/Tray 6 (Oversized)/Tray 7 (Oversized)/Tray 8 (Inserter)</u>	Media	Select a paper source tray for transparency interleaving.	<p>To use Tray 6, Tray 6 (Oversized), Tray 7 (Oversized) and Tray 8 (Inserter), these options must first be installed.</p> <p>For information about installing optional trays, see Printing from Windows or Printing from Mac OS.</p>
Transparency Interleaving <u>On/Off</u>	Media	Select On to print multiple transparency sheets separated by blank, plain paper pages.	

Option and settings (default setting is underlined)	Printer driver location	Description	Requirements, constraints, and information
Tray Alignment <u>On/Off</u>	Media	Specify if you want to enable tray alignment, which allows you to adjust the placement of text and images on the page so they are correctly aligned for duplex printing.	NOTE: This option is not available for PCL printing. For information about enabling tray alignment, see Utilities .
Use PDF XObjects <u>On/Off</u>	VDP	Specify On to use PDF XObjects, a feature that recognizes objects (text, images, vectors) within a PostScript or PDF file and caches the image, reducing need to reRIP (re-process) image data for faster printing.	For more information, see Variable Data Printing . NOTE: This option is only accessible from Command WorkStation.
Use PDF/X Output Intent <u>On/Off</u>	Color	Specify On to enable the PDF/X Output Intent feature to use the embedded output intent for PDF/X compliant print jobs.	NOTE: To use PDF/X Output Intent, you must set the RGB Source Profile to None. For information about the PDF/X Output Intent feature, see Color Printing . NOTE: This option is only accessible from Command WorkStation.
User Authentication: I'm a Guest <u>On/Off</u>	Job Info	If User Authentication is enabled, select this option to allow guest printing privileges.	Guest printing must be set to On in the EX Print Server.
User Authentication: Password <i>Enter a password</i>	Job Info	If User Authentication is enabled on the EX Print Server, enter User Name and Password to print the job.	If you are logged on to a Windows system, you may automatically use your Windows login, otherwise type the local password or domain password.
User Authentication: Save User Info <u>Off/On</u>	Job Info	Select On to save the user name and password information for subsequent sessions.	
User Authentication: Use Windows Login <u>On/Off</u>	Job Info	If User Authentication is enabled on the EX Print Server, select this option to use your Windows login name and password.	

Option and settings (default setting is underlined)	Printer driver location	Description	Requirements, constraints, and information
User Authentication: Username <i>Enter a username</i>	Job Info	If User Authentication is enabled on the EX Print Server, specify your User Name and Password to print the job.	If you are logged on to a Windows system, you may automatically use your Windows login, or type the local username or domain username.
Watermarks <u>None/Confidential/Copy/Draft/Original/Top Secret</u> Edit/New/Delete	Stamping	<p>Specify whether to print a standard watermark for your print job.</p> <p>To modify a watermark, select from the list and click Edit.</p> <p>To create your own watermark, click New.</p> <p>To remove a watermark, select from the list and click Delete.</p> <p>To print a watermark only on the first page, select First Page Only.</p> <p>To print watermarks as transparent text (PCL only), select Transparent.</p>	

Booklet Maker options

The following table provides a short description of Booklet Maker options and available settings, with the default setting (where relevant) underlined. The Basic pane is indicated at left in **grey text**. Any differences between Basic and Advanced mode are noted in the Options and available settings and Requirements, constraints and information columns.



For information about Booklet Maker options, see Booklet Maker Help.

NOTE: Booklet Maker options are not available for PCL printing.

Option and available settings	Printer driver location	Description	Requirements, constraints, and information
Booklet Type: Booklet Type <u>Saddle (left)/Saddle (top)/</u> Saddle (right)/ Nested Saddle (left)/ Nested Saddle (top)/ Nested Saddle (right)/ Perfect (left)/ Perfect (top)/ Perfect (right)	Layout: Booklet	Booklet Type is a combination of binding method (Saddle, Nested Saddle, or Perfect), which determines how the signatures of your booklet are folded and how the pages are imposed, and binding edge (left, right, or top), which determines the location of the spine of your booklet.	<p>NOTE: Binding method and Binding edge (as a separate option) are only accessible in Advanced mode.</p> <p>For information about Binding methods, see page 33 and Booklet Maker Help.</p> <p>NOTE: This option is not available for PCL printing.</p>
Booklet Type: Cover (Win) Basic mode: Cover is prepared for the booklet/Cover is not prepared Advanced mode: On/Off	Layout: Booklet	Cover option (Saddle only) allows you to specify an inline cover for your booklet. If you select Cover is prepared for the booklet, you define the Cover content, Cover media, and Booklet Cover Source in the final steps of booklet process. If you select Cover is not prepared, Booklet Maker skips remaining Cover options.	<p>NOTE: This option is not available for PCL printing.</p>
Paper size: Paper size for 2-up List of available sizes <u>(8.5x11 (Letter) LEF=default)/</u> Select from Paper Catalog/ Define custom size	Layout: Booklet	Paper size for 2-up defines the size of the sheet of paper (unfolded) on which your booklet will print. To select a paper size for your booklet, do one of the following: Select from the list of available sizes in Paper size menu. Select from Paper Catalog to access a dynamic database that stores the media attributes of any paper available for printing from the EX Print Server. Select Define custom size to create a non-standard paper size.	<p>For more information about Paper size and booklet printing, see Booklet Maker Help.</p> <p>For information about printing custom page sizes, see Printing from Windows or Printing from Mac OS.</p> <p>NOTE: This option is not available for PCL printing.</p>

Option and available settings	Printer driver location	Description	Requirements, constraints, and information
Paper size: Document size <i>List of available sizes</i> (8.5x11 (Letter) LEF=default)/ Define custom size	Layout: Booklet	<p>Document size is defined in your original application's Page setup (or Print setup) dialog box.</p> <p>Use this option to specify the page size defined in your document by doing one of the following:</p> <p>Select from the list of available sizes in the Document size menu. (SEF stands for Short Edge Feed; LEF stands for Long Edge Feed.)</p> <p>Select Define custom size to define a non-standard size.</p>	<p>For information about Document size, see Booklet Maker Help.</p> <p>NOTE: This option is only available when you access Booklet Maker from the Windows printer driver.</p> <p>For information about printing custom page sizes, see Printing from Windows or Printing from Mac OS.</p> <p>NOTE: This option is not available for PCL printing.</p>
Paper size and Subset size: Number of Sheets in a subset (saddle) 2-20	Layout: Booklet	<p>When Nested Saddle selected, use this option to specify the number of sheets per subset.</p>	<p>For information about nested saddle booklets, see Booklet Maker Help.</p> <p>NOTE: This option is not available for PCL printing.</p>
Paper size: Orientation Portrait/Landscape	Layout: Booklet	<p>Orientation displays the aspect ratio (Portrait or Landscape) defined in your original document. Use this option to override the Orientation defined in your original document.</p>	<p>For information about orientation, see Booklet Maker Help.</p> <p>NOTE: This option is only available when you access Booklet Maker from the Windows printer driver.</p> <p>NOTE: This option is not available for PCL printing.</p>
Paper size: Shrink to fit On/Off	Layout: Booklet	<p>Shrink to Fit automatically scales down page content to fit specified Paper size.</p> <p>When Shrink to fit is turned Off, page contents print at 100%.</p>	<p>For information about Shrink to fit, see Booklet Maker Help.</p> <p>NOTE: Shrink to fit is only accessible in Advanced mode.</p> <p>NOTE: This option is not available for PCL printing.</p>
Page alignment: Align pages (Win) Centering Adjustment (Mac) At the center/At the spine	Layout: Booklet	<p>The Align pages option shifts page content in relation to the horizontal (left- and right- binding) or vertical (top-binding) axis.</p> <p>Select At the center to position page content in the center of one-half the specified Paper size.</p> <p>Select At the spine to align page content with the spine.</p>	<p>For information about page alignment, see Booklet Maker Help.</p> <p>NOTE: This option is not available for PCL printing.</p>

Option and available settings	Printer driver location	Description	Requirements, constraints, and information
<p>Page alignment: Increase gutter by <u>0-50 mm (1 mm increments)</u> <u>0-1.97 in (.04 inch increments)</u></p>	<p>Layout: Booklet</p>	<p>The Increase gutter by option adds extra white space between adjacent pages to allow for binding.</p>	<p>For information about gutters, see Booklet Maker Help.</p> <p>NOTE: This option is not available for PCL printing.</p>
<p>Page alignment: Compensate creep for (Win) Creep Adjustment (Mac) <u>Off/Plain/Thick</u></p>	<p>Layout: Booklet</p>	<p>The Compensate (for) creep option adjusts the position of page content to counteract the shift that occurs when sheets are folded to create Saddle and Nested Saddle booklets.</p> <p>Select Plain when printing Saddle or Nested Saddle booklets with a large number of pages.</p> <p>Select Thick when printing Saddle or Nested Saddle booklets on heavyweight paper.</p> <p>NOTE: Creep is not a factor in Perfect booklets.</p>	<p>For information about creep compensation, see Booklet Maker Help.</p> <p>NOTE: This option is not available for PCL printing.</p>
<p>Cover Content: Content input None (use insert)/ <u>As Separate Pages</u></p>	<p>Layout: Booklet</p>	<p>Content Input (Saddle only) defines whether a pre-printed cover is inserted, or separate pages from your original document are printed as the cover content your booklet job.</p> <p>Select None (use insert) to insert a pre-printed cover that will be added to your booklet print job.</p> <p>Select As Separate Pages to print individual pages from your document as the cover content for your booklet. (Using this setting, it is not possible to print on the spine.)</p>	<p>For information about cover options, see Booklet Maker Help.</p> <p>NOTE: This option is not available for PCL printing.</p>

Option and available settings	Printer driver location	Description	Requirements, constraints, and information
Cover Content: Front cover Print on outside/ Print on inside/ Print on both sides/ Do not print	Layout: Booklet	<p>Front Cover (Saddle only) defines how the content of the front cover is printed.</p> <p>Select Print on outside to print only on the outside of the front cover (the inside of the front cover will be blank).</p> <p>Select Print on inside to print only on the inside of the front cover (the outside of the front cover will be blank).</p> <p>Select Print on both sides to print on both the inside and outside of the front cover.</p> <p>Select Do not print if you do not want any content printed on the front cover.</p>	<p>NOTE: When you add a cover, blank pages may be added depending on the allocation of pages to signatures in the job.</p> <p>NOTE: This option is not available for PCL printing.</p>
Cover Content: Back cover Print on outside/ Print on inside/ Print on both sides/ Do not print	Layout: Booklet	<p>Back Cover (Saddle only) defines how the content of the back cover is printed.</p> <p>Select Print on outside to print only on the outside of the back cover (the inside of the back cover will be blank).</p> <p>Select Print on inside to print only on the inside of the back cover (the outside of the back cover will be blank).</p> <p>Select Print on both sides to print on both the inside and outside of the back cover.</p> <p>Select Do not print if you do not want any content printed on the back cover.</p>	<p>NOTE: When you add a cover, blank pages may be added depending on the allocation of pages to signatures in the job.</p> <p>NOTE: This option is not available for PCL printing.</p>
Cover Media: Cover Media Same as body/ Select from Paper Catalog	Layout: Booklet	<p>Cover Media (Saddle only) specifies the media for your booklet print job.</p> <p>Choose Same as body to use the same media as the body pages of your job.</p> <p>Choose Select from Paper Catalog to access the Paper Catalog utility, which retrieves all paper information from the digital press.</p>	<p>NOTE: Cover Media is not an option for Mac OS.</p> <p>For information about using Paper Catalog, see Utilities and Paper Catalog Help.</p> <p>NOTE: This option is not available for PCL printing.</p>
Cover Media: Booklet Cover Source Same as Job/Tray 1/Tray 2/ Tray 3/Tray 5 (Bypass)/Tray 6/ Tray 6 (Oversized)/ Tray 7 (Oversized)/ Tray 8 (Inserter)	Layout: Booklet	<p>Booklet Cover Source (Saddle only) specifies the tray that contains the Cover media for your booklet.</p>	<p>NOTE: This option is not available for PCL printing.</p>

Gang-up print options

Option and settings (Default setting underlined)	Printer driver location	Description	Requirements, constraints, and information
Gang-up print <u>Step & repeat/Cut & stack</u>	Layout: Gang-up print	<p>Select Step & repeat to speed print a job by printing two document pages on each sheet. When the printed sheets are cut in half, the result is two complete sets of the same document.</p> <p>Select Cut & stack to speed print a job by printing two document pages side by side. When the printed sheets are cut in half and stacked, the result is one complete set of the document (in faster printing time).</p>	<p>For more information about Gang-up printing, see page 37.</p> <p>NOTE: This option is not available for PCL printing.</p>
Paper size <i>List of available sizes</i> <u>(8.5x11 (Letter) LEF=default)/</u> Select From Paper Catalog/ Define custom size	Layout: Gang-up print	<p>Paper size defines the size of the sheet of paper on which your gang-up job will print.</p> <p>To select a paper size, do one of the following:</p> <p>Select from the list of available sizes in Paper size menu.</p> <p>Select from Paper Catalog to access a dynamic database that stores the media attributes of any paper available for printing from the EX Print Server.</p> <p>Select Define Custom size to create a non-standard paper size.</p>	<p>For information about printing custom page sizes, see Printing from Windows or Printing from Mac OS.</p> <p>For information about using Paper Catalog, see Utilities and Paper Catalog Help.</p> <p>NOTE: This option is not available for PCL printing.</p>
Document size <i>List of available sizes</i> <u>(8.5x11 (Letter) LEF=default)/</u> Define custom size	Layout: Gang-up print	<p>Document size is defined in your original application's Page setup (or Print setup) dialog box.</p> <p>Use this option to specify the page size defined in your document by doing one of the following:</p> <p>Select from the list of available sizes in the Document size menu. (SEF stands for Short Edge Feed; LEF stands for Long Edge Feed.)</p> <p>Select Define custom size to define a non-standard size.</p>	<p>For information about printing custom page sizes, see Printing from Windows or Printing from Mac OS.</p> <p>NOTE: This option is not available for PCL printing.</p>
Orientation Portrait/Landscape	Layout: Gang-up print	<p>Orientation displays the aspect ratio (portrait or landscape) defined in your original application's Print setup (or Page setup) dialog box. Use this option to override, if necessary.</p>	<p>NOTE: This option is not available for PCL printing.</p>

Option and settings (Default setting underlined)	Printer driver location	Description	Requirements, constraints, and information
<u>Shrink to fit</u> <u>On/Off</u>	Layout: Gang-up print	Shrink to fit scales down document page to fit the paper size you select. When Shrink to fit is set to Off, page contents print at 100%. NOTE: Shrink to fit only reduces or scales down the document page size. It does not scale up or enlarge.	NOTE: This option is not available for PCL printing.
Increase gutter by 0-50 mm (1 mm increments) 0-1.97 in (.04 inch increments)	Layout: Gang-up print	Increase Gutter by adds extra white space between adjacent pages to allow room for trimming or other finishing options.	NOTE: This option is not available for PCL printing.
Duplex <u>Off/Top-Top</u>	Layout: Gang-up print	Select Off for single-sided printing. Select Top-Top for duplex printing.	NOTE: This option is not available for PCL printing.

Additional information

The following sections provide additional information about print options. For more information about the settings, requirements, and constraints in effect for these options, see the table that begins on [page 9](#).

Auto Trapping

Trapping is a technique to print some objects slightly larger or smaller than specified in an application, in order to prevent white edges around the objects. These white edges, or “halos,” can be caused by factors such as misregistration, the physical properties of the toners, and the stiffness of the media. The Auto Trapping feature provides you with advanced trapping settings and gives you full control over their values. For more information, see [Color Printing](#).

Booklet Maker

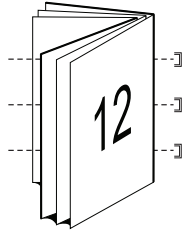
Booklet Maker is the imposition tool that allows you to quickly print documents in booklet format, without the need for more involved page imposition programs. Booklet Maker provides advanced settings, while streamlining the booklet-making process by displaying only the options and controls relevant to your selections. Booklet Maker is capable of imposing jobs from nearly any application.

Booklet Maker can be accessed in the printer driver when you print a job or in Command WorkStation Job Properties, where you can modify a job's properties.

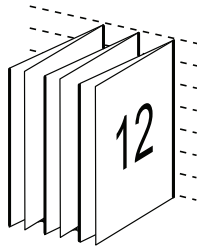
NOTE: Booklet Maker options are not available for PCL printing.

The following booklet layouts are available:

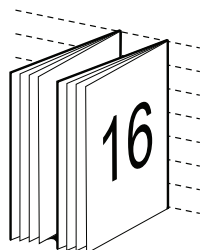
Saddle binding: In Saddle binding, signatures are folded together as a group, and then stapled or stitched along the center fold, which forms the spine of the booklet.



Perfect binding: In Perfect binding, the signatures are folded individually, and then stacked together along common edge, which is flattened and glued to form the spine of the booklet.



Nested Saddle: The Nested Saddle binding method combines saddle and perfect binding methods by stacking two or more saddles (also called “groups” or “subsets”) together along the common fold, then glued together at the fold to form the spine of the booklet.



For Booklet Maker options and available settings, see the table on [page 27](#).









For information about using Booklet Maker options, see [Booklet Maker Help](#).

Document size and Paper size

Document size is the page size defined in your application's Print setup (or Page setup) dialog box. Paper size is the size of the actual sheet of paper on which your job will print. It may be useful to think of document size as digital *input* (the page size defined in your original document) and Paper size as the physical *output* (the actual size of the paper in the digital press tray).

In cases when printing one document page per sheet of paper, Document size is usually the same as the Paper size. However, Document size may differ from Paper size when printing booklets or imposing multiple document pages on a single sheet.

The illustrations below show examples of possible relationships between Document size and Paper size. Note that the orientation of all pages shown is Landscape.

	Document size (input)	Paper size (output)
<p>Document size is the same as the Paper size. Scaling is 100%.</p>	<p>Letter</p> 	<p>Letter</p> 
<p>11x17 Document size scaled to fit on Letter Paper size. Scaling is 50%.</p>	<p>11x17</p> 	<p>Letter</p> 
<p>A4 Document size scaled to fit on A3 Paper size. Scaling is 141%.</p>	<p>A4</p> 	<p>A3</p> 

Document size may also differ from Paper size when using the Scale or Scale to Fit options. The Scale option reduces or enlarges the document page at a specified percent. The Scale to Fit option automatically reduces or enlarges the document image to fit the selected Paper size.

For information about Scale and Scale to Fit, see [page 43](#).



For information about Document size and Paper size in booklet printing, see Booklet Maker Help.

Duplex

The EX Print Server digital press is equipped for automatic two-sided (duplex) printing. When the Duplex print option is set to one of the duplex settings, the digital press automatically turns the paper for printing on the opposite side.

TO PRINT DUPLEX PAGES AUTOMATICALLY

1 Choose Print in your application and locate the Duplex print option (Layout tab).

The location of EX Print Server print options varies, depending on the printer driver that you use.

2 Choose a Duplex setting.

Top-Top: Prints the top of the image on Side 1 on the same edge of the page as the top of the image on Side 2.

Top-Bottom: Prints the top of the image on Side 1 on the opposite edge of the page from the top of the image on Side 2.

The following table illustrates how Duplex settings correspond to printed output:

	Top-Top	Top-Bottom
Portrait		
Landscape		

3 Print the job.

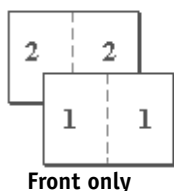
Gang-up print

The following speed printing methods are available:

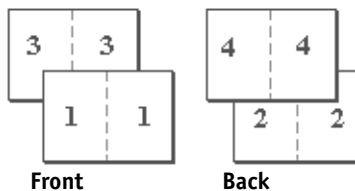
NOTE: Gang-up print options are not available for PCL printing.

Gang-Up - Step & repeat: Choose this setting to print a job so that the data on the first page is duplicated on the first sheet. The next page duplicates the data on the second page, and so forth. For example, when each of the printed copies is cut in half, the result is two complete sets of the same document.

Single-sided

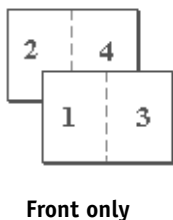


Double-sided (Duplex)

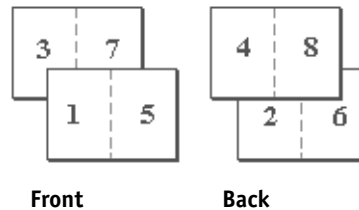


Gang-Up - Cut & stack: Choose this setting to speed print a job so that when the sheets are stacked and cut from the central position, the job is numbered in order and separated as two stacks. The order of print is such that when they are cut in half, they can be combined to form a single complete set of the document, in faster printing time.

Single-sided



Double-sided (Duplex)





















For available options and settings, see the table on [page 31](#).

Hole Punching and Punch Position

The following table illustrates the number of holes and punch positions.

NOTE: Punch positions vary according to paper size, paper type, number of pages, and feed direction.

Punch setting	Portrait			Landscape		
	Left	Right	Top	Left	Right	Top
2 Holes						
3 Holes						
4 Holes						

For information about installing punch finishers and other installable options, see [Printing from Windows](#) and [Printing from Mac OS](#).

Image Shift

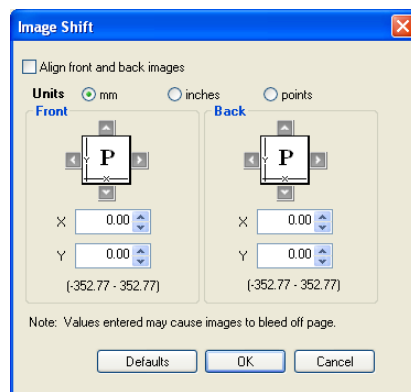
Image Shift allows you to specify how much the image on each page should be shifted, relative to the X (horizontal) and Y (vertical) axes. Moving the job content in this manner enables you to allow for various finishing options, such as stapling and binding. Image Shift prevents the image from being clipped.

NOTE: This option is not available for PCL printing

NOTE: This option is effective only for jobs in which Pages per sheet is set to 1-up.

TO DEFINE IMAGE SHIFT FOR A PRINT JOB

- 1 In the printer driver, enable the Image Shift option, and then click Image Shift Options.



- 2 Select the unit of measurement.
 - 3 Type the Front and Back image shift settings in the X and Y axis fields. You can also use the arrow buttons to shift the image settings.
- NOTE:** The maximum value for both X and Y axes is 999.99 points/13.89 inches/352.77 mm.
- 4 To align front and back images proportionately, select Align front and back images.
 - 5 Click OK.

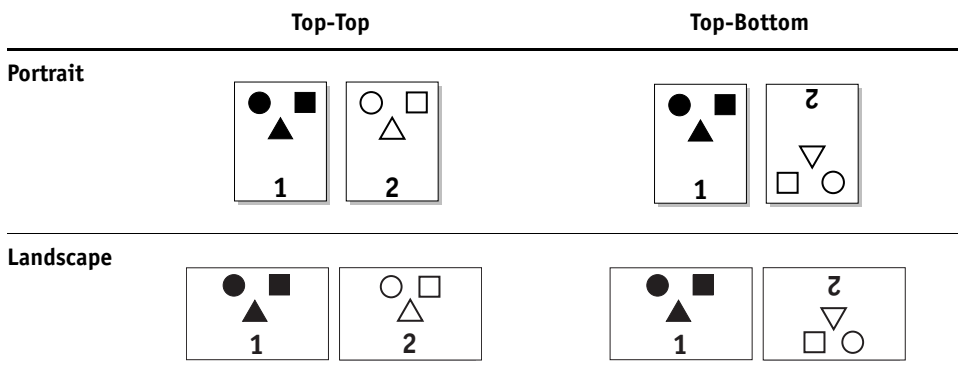
Manual Duplex

Manual Duplex printing is supported using either Tray 5 (Bypass), Tray 6 (Oversized) or Tray 7 (Oversized) as the paper source. When you print a manual duplex job, the EX Print Server prompts you to perform the manual steps required, and also displays messages to assist you if you run into errors.

TO PRINT A MANUAL DUPLEX JOB

- 1 **Choose Print in your application.**
- 2 **Set the print options as follows:**
 - Manual Duplex = On
 - Face-Down Printing = Face Up
 - Paper Source = Tray 5 (Bypass), Tray 6 (Oversized) or Tray 7 (Oversized)
- 3 **Print the job.**
The even-numbered pages are printed.
- 4 **If you are printing from Tray 5 (Bypass), remove any unused paper from the tray.**
- 5 **Notice how the pages are oriented in the output tray before removing them.**
- 6 **Turn the pages over so that the printed side faces down and load them back in the same tray used to print the first side.**

Depending on how you load the pages, you can print Side 2 with the same orientation as Side 1 (Top-Top) or rotated 180 degrees relative to Side 1 (Top-Bottom).

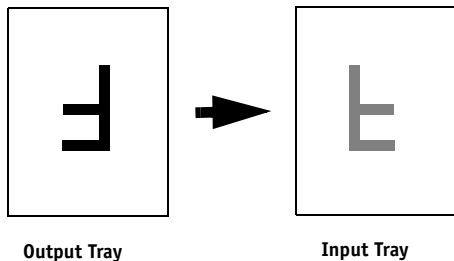


For Top-Top manual duplexing, keep the pages oriented in the same direction as they arrive in the output tray, except face down. For example, if the image is upside down and the pages are face up, load them with the image upside down and the pages face down.

Do not rotate the pages. Load them in the same direction (long edge first or short edge first) as when you printed Side 1.

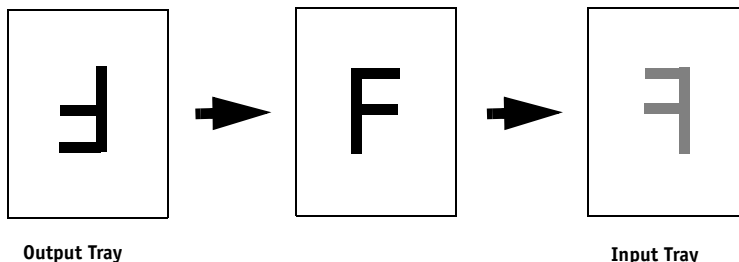
NOTE: The illustrations below show pages with Portrait orientation printed LEF (Long Edge Feed).

Top-Top printing



For Top-Bottom printing, rotate the pages 180 degrees and turn them face down.

Top-Bottom printing



7 For Tray 6 (Oversized), press the Start button on the digital press control panel.

Tray 5 (Bypass) will detect that the pages have been loaded, so you do not need to press Start. The odd-numbered pages are printed.

NOTE: For jobs imposed using Impose, always flip the pages along the long edge of the page.

EX Print Server messages for manual duplex printing

During the manual duplex process, the EX Print Server displays messages to help you perform the tasks. These messages are described in the following table:

When this happens	This message is displayed
Printing of Side 1 from Tray 6 (or Tray 7) is complete.	Printing of Side 1 is complete. To print Side 2 do the following: <ol style="list-style-type: none"> 1. Remove Side 1 prints from the Output Tray. 2. Flip the output over and place with the printed side down in Tray 6 (or Tray 7). <p>NOTE: If you do not load the correct number of pages, the EX Print Server prompts you to load the correct Paper Size and Paper Type.</p>





When this happens	This message is displayed
Printing of Side 1 from Tray 5 (Bypass) is complete.	<p>Printing of Side 1 is complete. To print Side 2 do the following:</p> <ol style="list-style-type: none"> 1. Remove Side 1 prints from the Output Tray. 2. Flip the output over and place with the printed side down in Tray 5 (Bypass). <p>NOTE: If you do not load the correct number of pages, the EX Print Server prompts you to load the correct Paper Size and Paper Type.</p>
A paper jam occurs during printing of Side 2 from Tray 6 (or Tray 7).	<ol style="list-style-type: none"> 1. Remove the output from the Output Tray and set it aside. <p>This output will be combined later with other output to make a completed stack.</p> <ol style="list-style-type: none"> 2. Open Tray 6 (or Tray 7). 3. Remove the printed sheets from Tray 6 (or Tray 7) and set aside. You will be prompted to reload these sheets later. 4. Load blank sheets in Tray 6 (or Tray 7). 5. Close Tray 6 (or Tray 7).
A paper jam occurs during printing of Side 2 from Tray 5 (Bypass).	<ol style="list-style-type: none"> 1. Remove the output from the Output Tray and set it aside. <p>This output will be combined later with other output to make a completed stack.</p> <ol style="list-style-type: none"> 2. Remove the printed sheets from Tray 5 (Bypass) and set aside. You will be prompted to reload these sheets later. 3. Load blank sheets in Tray 5 (Bypass).
The Side 2 pages that had to be reprinted due to a paper jam have successfully printed from Tray 6 (or Tray 7).	<ol style="list-style-type: none"> 1. Remove Side 1 prints from the Output Tray. 2. Flip the output over and place on top of the printed sheets previously removed from Tray 6 (or Tray 7). 3. Open Tray 6 (or Tray 7). 4. Load the whole stack into Tray 6 with the printed side down. 5. Close Tray 6 (or Tray 7). 6. After printing has finished remove the prints from the Output Tray and combine them with the stack previously set aside.
The Side 2 pages that had to be reprinted due to a paper jam have successfully printed from Tray 5 (Bypass).	<ol style="list-style-type: none"> 1. Remove Side 1 prints from the Output Tray. 2. Flip the output over and place on top of the printed sheets previously removed from Tray 5 (Bypass). 3. Load the whole stack into Tray 5 (Bypass) with the printed side down. 4. After printing has finished remove the prints from the Output Tray and combine them with the stack previously set aside.

Scale

The Scale option allows you to increase or decrease the scale (in the range of 25–400%) of your print job. The operator can specify a scaling override, but the override is applied to any scaling value already set in the active job. For example, if a user sends a print job with a scaling value of 50% and the operator specifies a scale override of 300%, the job is printed at 150% of the original document size, that is, 50% of 300%.

Scale to Fit

This option allows you to scale a job to a paper size different from the image size. When you set this option to On, the image is increased or reduced in size to fit a paper size you select from the Page Size option. When this option is set to Off, the original document size is printed without any scaling, even if you print to a larger paper size.

	Original size Letter	Print size 11x17
Scale to Fit set to Off		
Scale to Fit set to On		

Secure Print

The Secure Print feature offers a level of security for sensitive or confidential print jobs. This feature allows you to print your job only when you are present at the copier. When using this feature, enter a password into the Secure Print field in the printer driver (Job Info tab) before sending your job to the EX Print Server. To print your Secure Print job, re-enter the password at the EX Print Server digital press control panel as described in the following procedure.

TO PRINT A SECURE PRINT JOB

- 1 Enter a password in the Job Info>Secure Print field in the printer driver.**

NOTE: The password is limited to alphanumeric characters (do not use symbols).

For more information about entering the password, see [Printing from Windows](#) or [Printing from Mac OS](#).

- 2 Make any other changes to job properties and send your job to the EX Print Server.**
- 3 At the EX Print Server digital press control panel, select Secure Print and enter the same password you entered Job Info>Secure Print field of the printer driver.**

The print jobs which match the password display in the login window.

- 4 Select your print job and choose either Print or Delete.**

The screen returns to the main pages after 45 seconds without activity.

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