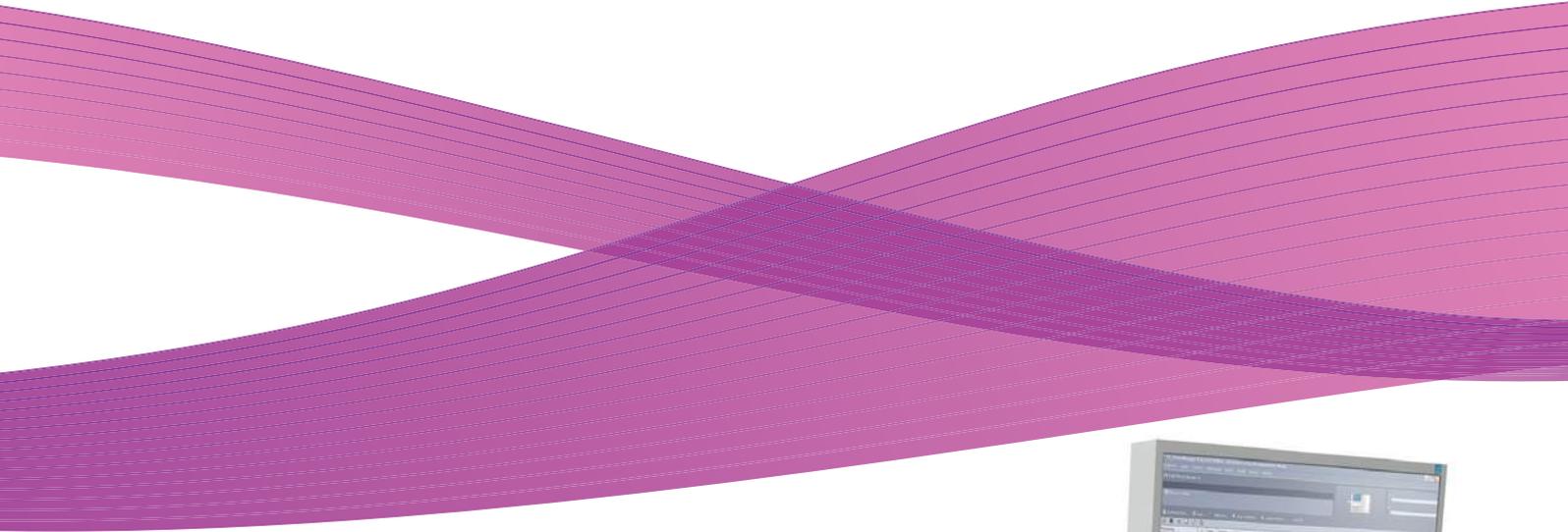


DocuColor  
1450 GA



# DocuColor 1450 GA

Professional Color Printer



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## Professional Color Printer

**High performance awaited by professionals, in a single device.  
DocuColor 1450 GA further broadens the possibilities of your creativity.**

Currently, designers and creators are anticipated to provide their active contributions in various fields of business. Consequently, color output devices require an even higher level of performance than before, including accurate color management and color reproduction.

DocuColor 1450 GA provides performance such as an output resolution of 2,400 dpi\*, and supports direct output of CMYK 1 bit TIFF data, whereby supporting creative work by assisting smooth printing workflows and promoting accurate color checking of design phase.

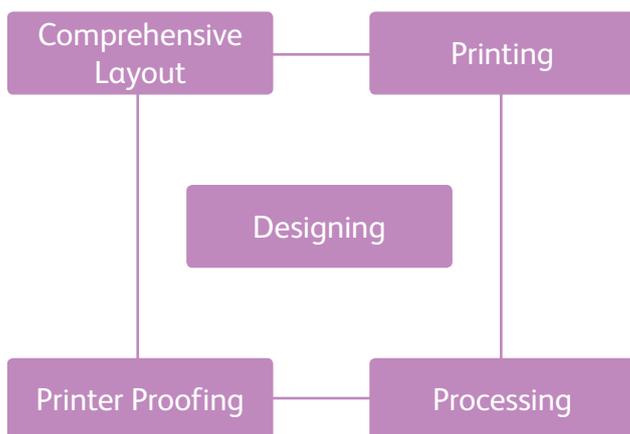
In addition to color management functions according to the usage environment, the device can also be utilized as a high level on-demand printer, with a wide range of media handling and a gloss control function, etc.

As an multifunction device (MFD) with authentication functions, it also promotes secure and efficient operations.

This single device provides the accurate color reproduction and high precision image quality desired by professional graphic artists.

DocuColor 1450 GA is Fuji Xerox's response to the communication of tomorrow.

\*: 600 dpi/ 1200 dpi/ 2400 dpi modes are provided for the resolution of internal data processing.



The above shows a configuration with PX140 Print Server U2, optional wing table and optional monitor installation kit connected.

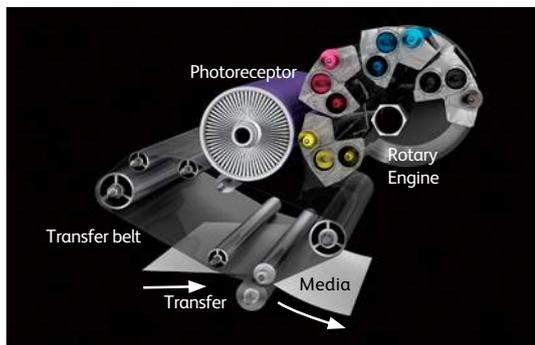
# Advanced Technologies

“NO Unevenness,” “NO Misregistration,” but “YES Brilliance”... to the pinnacle of xerography. Fuji Xerox’s technology presents you with unparalleled high image quality.

## The reliability-proven “4 cycle engine” incorporated in newly developed print engine.

The DocuColor 1450 GA aims for the very highest image quality. During its development, the print engine itself was newly designed. A more precise “4 cycle engine” has been adopted for the print system. Overlaying each CMYK toner layer in the same position of the paper prevents uneven color and color-to-color misregistration. The device enables a speed of 14.3 ppm\* in color while obtaining stable color reproduction.

\*: Fuji Xerox J paper (82 gsm), A4 LEF.



## NO Unevenness!

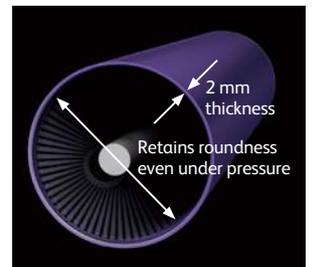
### “Photoreceptor drum” developed for high precision and high quality

The photoreceptor drum unit, which is the key to accurate color reproduction, has also been newly developed. The unit adopts 2mm-thick aluminum material, and the shape of the drum has been made as close to a “true circle” to reduce variation in the development/transfer process. Stabilization has also been enabled by increasing the rigidity along with the roundness. This reduces nonuniformity within paper.

#### Stable color tone output even during continuous output

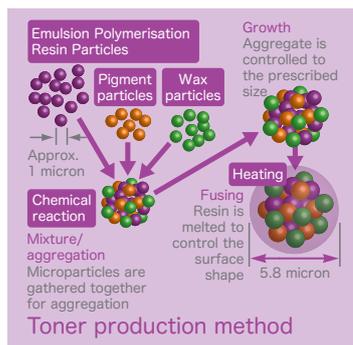
#### •Provides stable image quality even when performing continuous output

While striving for a high precision and high quality drum, we have also decreased in-plane variation by improving the vibrations when the drum turns. This enables stable color reproduction when outputting color images, even when performing continuous output.



## “EA-Eco toner”\*; a key contributor to energy saving, high image quality, and ease of use

“EA-Eco toner” has been adopted for the toner. Compared to previous toner, this toner has an extremely small particle size of 5.8 micrometers and a particle shape that suits transfer, to dramatically

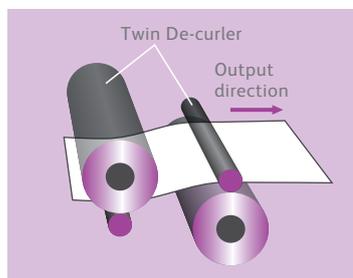


improve the transfer rate and fixing rate to paper compared to conventional ground toner, and reducing the amount of toner used. Also, since wax is enclosed in each toner particle, fusing oil is not required, which enables sticky notes to be attached to the printed surface so that comments, etc. can be written.

\*: Emulsion Aggregation-Eco toner.

## “Twin decurler” adopted to prevent paper curling

The DocuColor 1450 GA includes a new “twin de-curler” to correct paper curling. Immediately after the toner is transferred and fixed, the paper curled by the heat and pressure during the fusing process passes through the twin de-curler to make curled paper flat. This enables uncurled paper to always be sent to the duplex feeding path and output trays. It also supports paper weight from 64 to 300 gsm. Heavy stock can be printed on smoothly and stably.



## YES Brilliance!

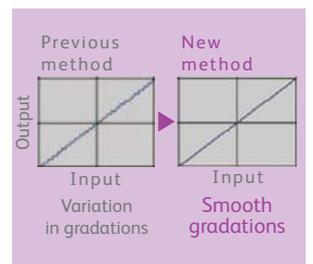
### “VCSEL-ROS” enabling the direct print of 1 bit TIFF data

This device is equipped with the “VCSEL” surface emitting laser scanning technology with multiple beams. This technology enables unrivalled 2,400 dpi high resolution processing. Also, the reason why “1 bit TIFF”, one of the TIFF data formats generated from a workflow RIP, can be directly printed is because this technology is at its base.

#### More smooth gradations with new screen technology

#### •Nonlinear 10 bit screen adopted

Previously, color gradations were created with 8 bit line screens, but the screen processing has now evolved to “10 bit” “nonlinear” screen processing. By increasing the data conversion performance by area four times, smoother gradation reproduction is possible.



# Designing

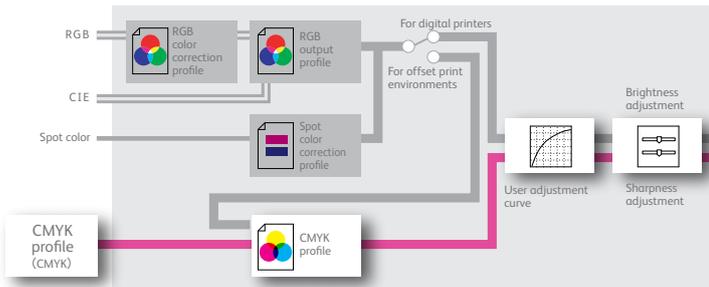
## Providing you with optimum color management functions

### Supports various color workflows

#### •CMYK color workflow

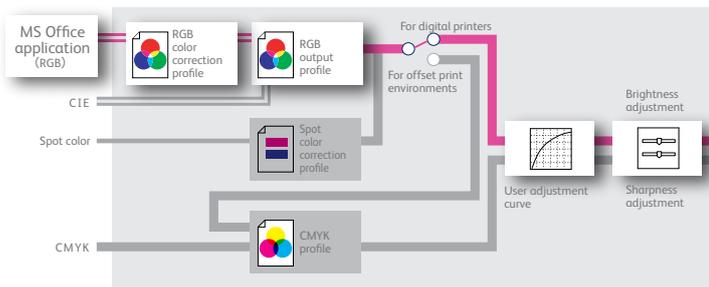
When all data is unified with CMYK, the color reproduction of a printing environment is simulated.

Using this in conjunction with RGB warnings, the composite separation/overprint reproduction mode, and the EPS (JPEG) image support function, total color management is made possible.



#### •RGB color workflow

This is used when outputting to the printer using office applications such as Microsoft® Word, Excel®, and PowerPoint®. RGB color correction is performed by enabling “sRGB”.



#### •Spot color workflow

(Extension of CMYK workflow)

#### •2 color print workflow

(Extension of spot color workflow)

#### •RGB workflow with embedded profile workflow

(Support for the PostScript® color management images of Adobe® Photoshop®)

#### •InRIP separation workflow

(Color separation with CTP RIP)

#### •JDF color workflow\*

Support for the “JDF (Job Definition Format)” job tickets specified in XML according to the international standards of CIP4. Printing can be performed from applications supporting JDF using hot folder or via HTTP.

\*: Optional.

### Supports various color profiles

CMYK profiles such as GRACoL® and Fogra are supported. Simulation of spot color such as PANTONE® is possible.

Category	Name
CMYK Profile	Fogra39,Fogra47L
	GRACoL2006 # 1
	SWOP 2006 #3
Spot color simulation (Spot color library)	PANTONE® colors

### Awarded the Fogra Certification

DC1450GA, together with PX140 Print Server was awarded the Fogra Validation Printing System (VPS) certification, ensuring exceptional color quality while satisfying Fogra qualification.



With Fogra Certification, customers are assured that the DC1450GA with PX140 Print Server delivers predictable and supreme color over time. It guarantees to meet customer expectation for print quality consistently.

### Creating CMYK profiles

“4D direct lookup tables” can be created for enabling advanced CMYK simulation that retains the black channel information. In addition to colorimetric values for the i1 series from X-Rite, the ICC profiles of other commercially available tools can be used.

### High precision profiles can be created

The Color Profile Maker Pro CMS software is provided for creating profiles from ICC profiles and the measurement results of user-defined patch sets. The i1® series can be used for spectrophotometer. In addition to target adjustment that can adjust the color reproduction of profiles and reduce the amount of CMYK toner usage by up to 160%, a mode for measuring the color of a simulation result and providing feedback has been added from version 9.1. This enables more precise profiles to be created.

※i1Sis and i1i0 are only supported in Color Profile Maker Pro.



## Color management according to the usage environment

Industry standard color management that covers the four elements for determining color (toner color reproduction, color conversion, profile generation, and calibration) is supported. Color management according to the workflow enables advanced color reproduction.

## Various calibration methods

Calibration by scanner and calibration by spectrophotometer are supported. i1<sup>®</sup> spectrophotometers from X-Rite are optionally supported.

### •Scanner calibration

Place a calibration chart in the document area and scan it to read the data.

### •Spectrophotometer calibration

Read the calibration data using a spectrophotometer. This method is suitable when managing multiple machines.

## Perform color adjustment freely with user adjustment curves

Printing can be performed with the various CMYK colors freely adjusted. Adjustment is possible in any of the RGB, CMYK, CIE image, and spot color modes. Fine adjustment is also possible for highlights.

## Adobe<sup>®</sup> RGB and sRGB supported

sRGB, the standard color space for digital camera data, and Adobe<sup>®</sup> RGB (1998), often used for RGB workflows, are supported. Data without profiles can also be printed beautifully. Also, if “sRGB” (automatic correction of photo image quality) is selected, printing can be performed with color variation automatically corrected.

■ sRGB (automatic correction of photo image quality)



Before correction

After automatic correction

## Accurate reproduction of RGB

RGB color correction and RGB output profiles can be “loaded” and “assigned” and set while confirming the flow of creating color profiles in a dialog.

### •RGB to Lab (RGB color correction profile function)

Loads an ICC profile for monitors and scanners to a server and reflects it in the printing.

### •Lab to CMYK (RGB output profile function)

Loads an ICC profile for printers and print environments and reflects it in RGB type images.

### •RGB output intent function

Enables color space mapping to be converted in the color profile specified for the RGB output profile.



# Comprehensive Layout

Enabling your comprehensive layout needs in color.

## Hybrid RIP supporting CPSI and APPE

Adobe® genuine CPSI (Configurable PostScript® Interpreter) 3020 and APPE (Adobe® PDF Print Engine) 2.6 are supported. This enables the PostScript® data to be supported with the latest DTP applications and PDF/X-4 documents that include transparency effects to be accurately processed. Since the RIP is switched by job, the device can smoothly move to the next workflow.

## Proof output of 1 bit TIFF data\*

The DocuColor 1450 GA can directly output 2,400 dpi 1 bit TIFF data for CTP. This can be utilized for proof output applications of offset printing. It also contributes to cost reductions by enabling proof printing on the printer internally instead of costly proof output such as DDCP.

\*: There are two types: directly outputting 1 bit TIFF data and converting the data with the 1 bit TIFF Converter.

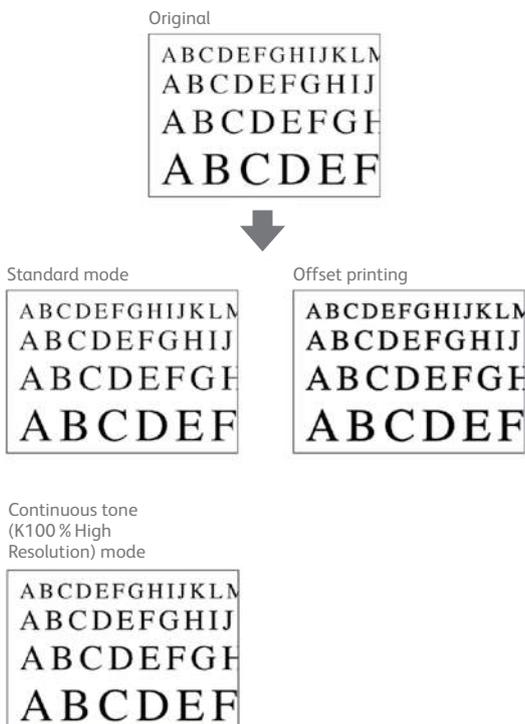
## Feedback on the result of printing to the profiles

In the Color ProfileMaker Pro CMS software, especially for the graphic arts market, a new function for repeatedly providing feedback on the result of outputting profiles has been added. This enables CMYK profiles to be generated with more precise simulations.

## Reduced text thickness with outline conversion.

When the continuous tone (K 100% high resolution) mode is used, characters and lines with K100% are printed after being processed with a resolution of 1,200 dpi. This enables the “text fattening” that occurs when outputting outline documents, PS files, and PDF files, to be reduced.

■ Outlined output



## Highlight outline

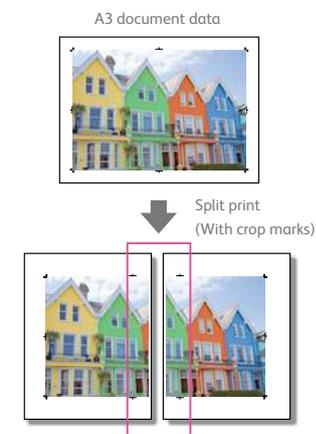
For text with a small point number, black text is processed to reduce fattening and invert text is processed to enhance the text.



## Split print convenient for comprehensive layout creation

Images up to A2 in size and documents with crop marks can be output to two A3 or B4 sheets.

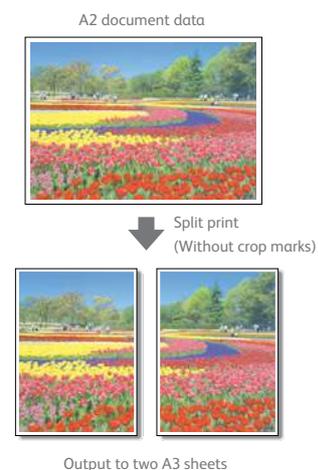
■ With crop marks/binding margins



Output to two A3 sheets with binding margins

Output to two A3/B4 sheets with crop marks/binding margins. This can be used for comprehensive layout and proofing for catalogs with facing pages.

■ Without crop marks/binding margins



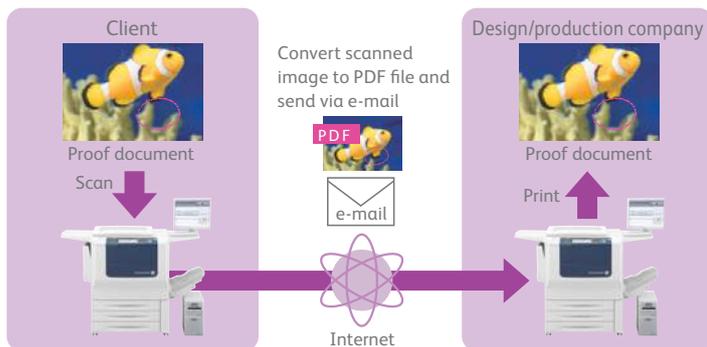
Output to two A3 sheets

Output to two A3 sheets without crop marks/binding margins. This can be utilized for creating large posters and POP by posting them together.

## Efficient proofing work with e-mail transmission/reception function

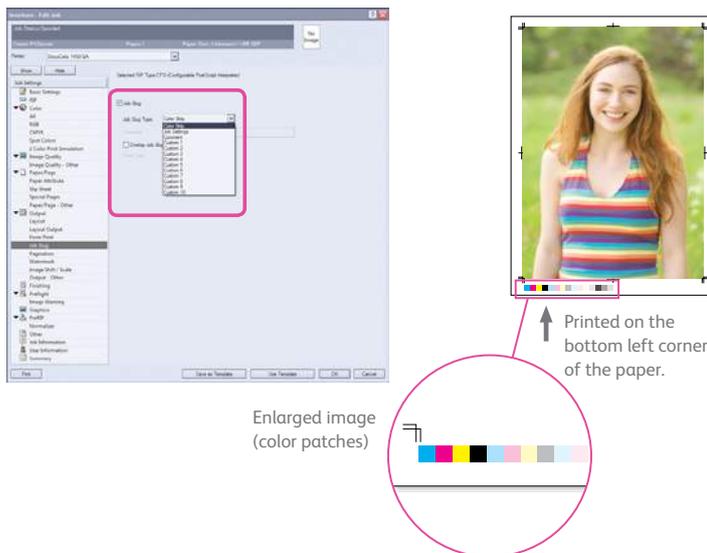
The SMTP/POP client functions included in Printer Server enables e-mail to be sent/received between print servers. By converting a scanned document to a PDF file and attaching it to an e-mail, the print server that receives the e-mail can automatically print that document. This enables more efficient returning of corrections.

※Provider connections are not supported.



## Easy management of comprehensive layouts with Job Slug function

Color patches, print option setting information notes, comments, and custom items (set in custom 1 to 10) can be printed on the bottom left of paper. This enables print results to be easily recognized.



Enlarged image (color patches)

Printed on the bottom left corner of the paper.

## Quick overprinting reproduced instead of separation

When performing overprinting, the separated data from a DTP application can be reproduced in the print server without composing it on the printer side. This enables the data to be checked in almost the same time as regular printing (composite output).

※Overprinting may not be reproduced when the overprint attribute of the object differs between separation and composite.

## Overprint and trapping also reproduced

A composition function that automatically compose data separated for output, similarly to film making process. This function supports not only the CMYK but also separate output including a spot color. This is convenient for checking before film making.

### Overprinting



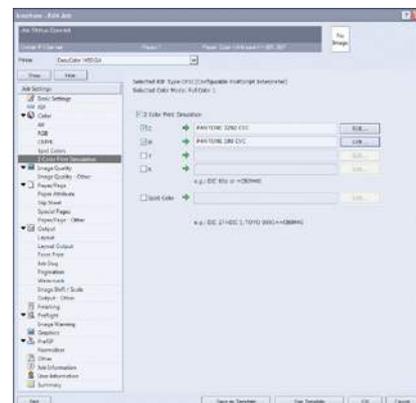
Function disabled



Function enabled

## Easy simulation of two color printing

The device includes a two color printing simulation function that replaces the spot color with CMYK toner. Simply by specifying a spot color number and the relationship between spot colors, you can easily check the color reproduction of two color printing.



### 2 color print simulation



Data created on an application

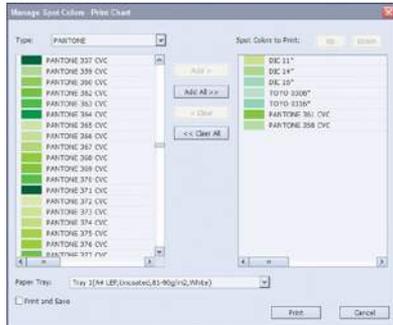
Print result after simulation

# Printer Proofing

Various functions that alleviates your worries, such as warning functions when receiving inbound manuscripts.

## Sample charts of spot colors can be output

By selecting the spot color to print from the registered PANTONE®/CUSTOM colors and adding it to the output list, you can easily print a spot color patch to check the colors.



Select the spot color to print and add it to the output list. The order can be freely rearranged.

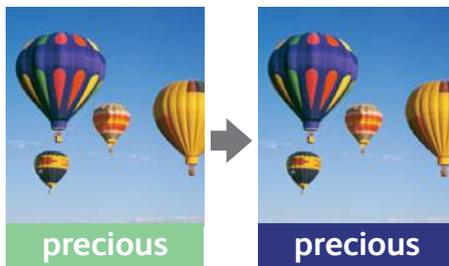
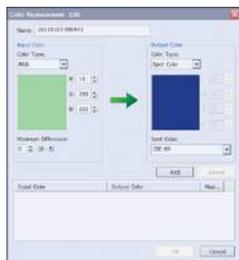


Print spot color patch  
The print date/time, page number, color mode, and spot color correction profile name can be printed.

## Printing by replacing a spot color or a user-defined CMYK value

Even if a spot color cannot be specified in the application, you can print a spot color using the color replacement function of the print server. You can also print by replacing a user-defined CMYK value.

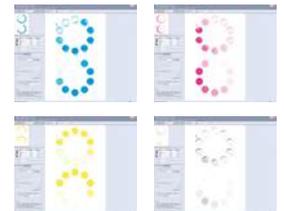
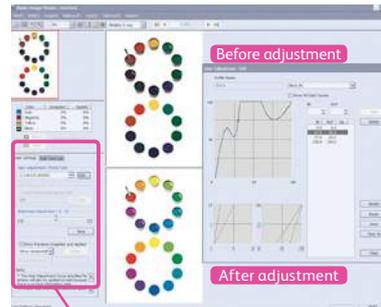
※Replacement is only performed for text, lines, and shapes, and not image data.



Using the color replacement function, you can print by replacing a color specified in the application with another specific color.

## Checking/correction immediately before printing

The Raster Image Viewer enables you to preview ripped data on a server and perform user adjustment to edit the brightness. A comparison of images before and after adjustment can be checked. Each CMYK plate can be displayed separately, as can data separated as photo/text data.



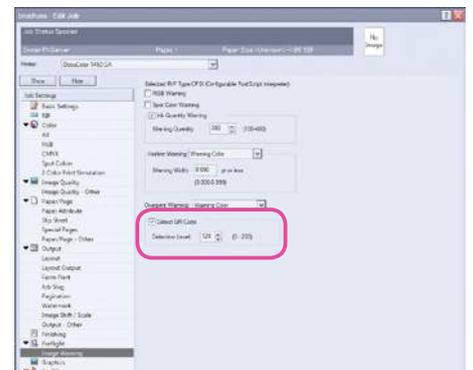
Separated/combined display



Display with photo/text separated

## Printing the number of color/B&W QR codes®

QR codes® designed in color may not be able to be read due to plate misalignment. The number of QR codes® included in a document can be counted for each page and printed on the edge of the paper to bring attention to such trouble.



## Fine image adjustment enabled

### •Brightness adjustment

The print brightness can be easily corrected, separate from the specified user adjustment curve.

### •Sharpness adjustment

This enables you to make the printed image sharper or blurrier.

## Early warnings against unconscious mistakes in print data

The warning function enables you to check in advanced whether there are problems in the inbound manuscript data.

※Warnings may not be provided for some data, depending on the application.

### •Image warning

For offset printing, RGB images that will be output in grey are printed in magenta. CIE images are printed in cyan to enable easy detection.

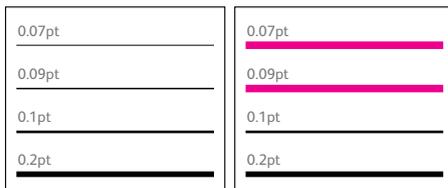


Image on monitor

Print and check

### •Hairline warning

For offset printing, objects with a line width that may cause them to disappear or be faint can be checked.



Warning width: when 0.09 pt is set

### •Overprint warning

You can print and check which areas have overprint and trapping specified.

※K 100% overprint can be removed with a setting.



Image on monitor

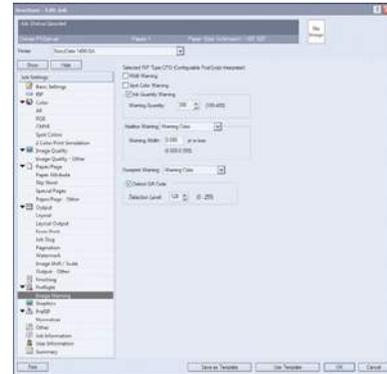
Print and check

### •Spot color warning

To ensure that a spot color plate is not generated when performing process printing, areas with a spot color specified are printed with a grey warning color to prompt detection at the comprehensive layout phase.

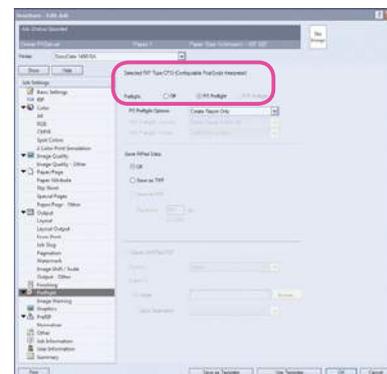
### •Total ink coverage warning

In order to avoid an offsetting or trapping error, due to insufficient drying during actual printing, objects are printed in a warning color when the total amount of ink usage exceeds a specified coverage.



## Inbound manuscript checking enabled on a monitor

A function has been included to enable print data to be checked for errors on a monitor before printing. This helps avoid document submission problems.



### •PS preflight check function

This function lists the font, color space such as CMYK, RGB and spot color and other element used in the inbound manuscript data.

### •PDF preflight\*

This function creates a preflight report for PDF files including information such as whether the PDF versions are unified, whether RGB images have been converted to CMYK images, and whether fonts are embedded. Checking whether files are suitable for offset printing in advance enables error to be reduced.

\*Optional.

### •Print result preview (TIFF file saving)

This function enables regular component jobs and CMYK separation jobs to be saved as a TIFF file and checked in Adobe® Photoshop® or other applications in advance. Overprint and trapping can also be checked in detail.

# Printing

Superb quality color printing of 2,400 dpi.

## Stably reproducing high quality

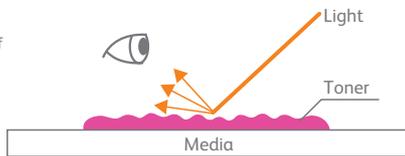
The adoption of the EA-Eco toner expands the color gamut, and the shape of the photoreceptor is closer to a true circle to minimize nonuniformity within page. This enables high quality printing with reduced color variation and graininess. The elimination of nonuniformity within page also improves the stability of quality. High quality is provided on a stable basis.

## Advanced Gloss Control function

With coated paper, the gloss on the image surface can be adjusted between three levels. By adding glossiness, you can simulate a richer finishing more similar to offset printing.

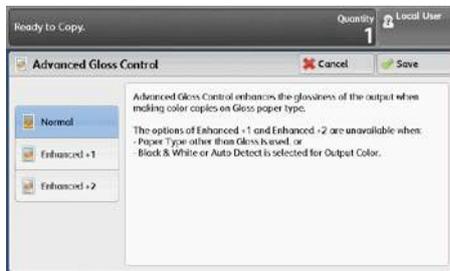
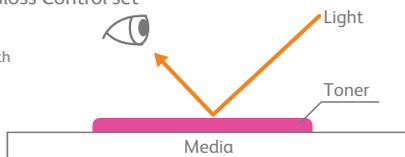
### Regular printing

Light disperses because of bumps produced on the toner surface



### With Advanced Gloss Control set

Light is reflected because the toner surface is smooth



Advanced Gloss Control operation screen  
(Above is a copier screen. It can be performed from PX140 Print Server as well.)

## Various paper up to 300 gsm\* supported

The development of the new print engine enables heavy paper up to 300 gsm to be supported. Various types of paper such as postcards, coated paper and matte paper, and recycled paper are supported. This is also effective when outputting proofs.

\*The maximum paper weight is 220 gsm for the internal tray and 300 gsm for the bypass tray and High Capacity Feeder C1-DS.

## Checking device status with computers

The software "Printer Status Monitor" and "WebManager" are provided as software for monitoring the status of devices from a client computer.

They enable you to check the status of multiple PX140 Print Servers from your desk.



## High capacity feeder to enable a large volume of continuous output

A total of 1,900 sheets can be fed with 1,650 sheets\* from the standard three trays and 250 sheets\* from the bypass tray. The optional High Capacity Feeder C1-DS with a capacity of 4,000 sheets\* is also provided. This means that a maximum of 5,900 sheets can be fed.

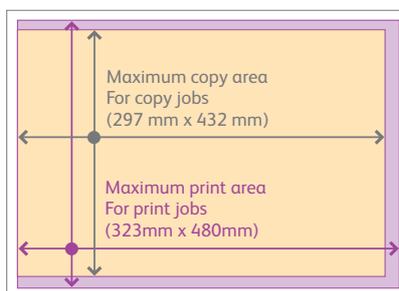
\*With 90 gsm



\*Optional.

## Full-bleed A3 size paper supported

The internal trays support paper from A5 to a maximum of 330 x 488 mm, and the bypass tray supports paper from 100 x 148 mm to a maximum of 330 x 488 mm. The printed area is 323 x 480 mm. A3 documents with crop marks can be printed and trimmed. A4 spread catalogs can be fully reproduced.



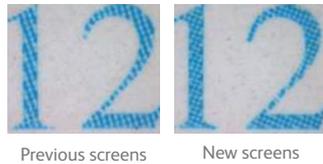
Maximum paper size (Full-bleed A3 330 x 488 mm)



330 x 488 mm supported paper trays

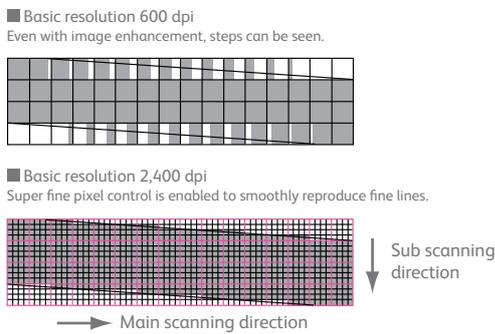
## Color text reproduced smoothly

The screen lines, angle and shape can be optimized to improve the lines, text, and gradations. They are reproduced smoothly.



### •Diagonal lines also reproduced smoothly

Mapping supporting a real output resolution of 2,400 dpi has been designed on a segmented matrix, to perform image enhancement processing in not only the main scanning direction, but also the sub scanning direction. This enables super fine pixel control to reproduce diagonal lines with low angles without jaggies.



## Includes useful functions for meeting various output needs

The print functions of the PX140 Print Server further expand the possibilities of DTP.

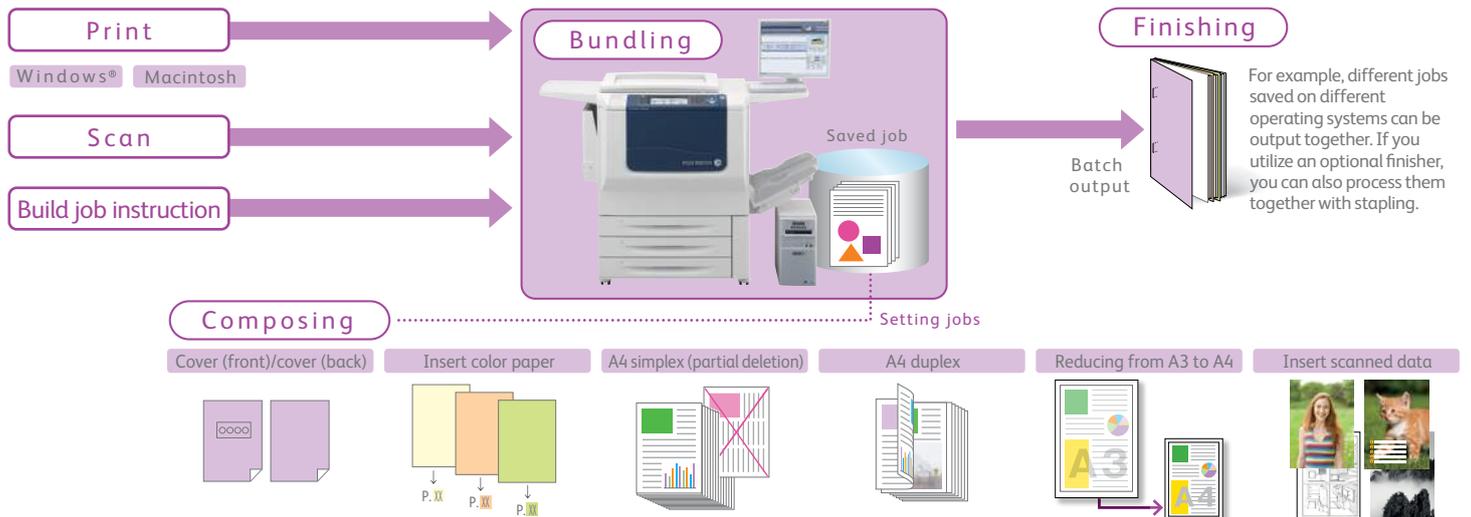
### •Build job function\*

With a command from a client computer you can process printing for jobs saved in the PX140 Print Server and data scanned from a scanner as a single job. While checking previews with the thumbnail you can change the specified tray for each job, change the duplex or simplex settings, and add or delete pages. You can also add a cover page or insert sheets for the entire job.

\*The optional monitor for the PX140 Print Server is required. Build Job cannot be specified from the ServerManager installed on a client PC.

### •Print previewing

You can display previews of spooled documents on the monitor. You can also zoom in by dragging the window.



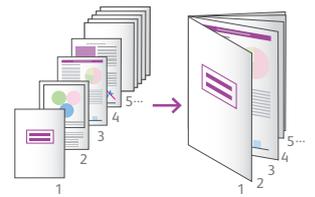
## Useful finishers provided

Various finishing options can be chosen from according to the application with finishers such as the “Finisher C2 with Booklet Maker” that can perform saddle stitching and bi-fold, and the “3 Hole Punch Unit for Finisher C” that can punch three holes.



## Booklet imposition output enabled

Imposition output of booklets can be easily performed by combining the electric sort function, automatic duplex print, and imposition output.

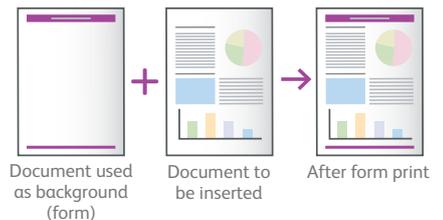


### •Repeat function

You can print an image repeatedly on a single sheet of paper. When repeated twice, one image is rotated 180 degrees so that the cut is on the same side of each image.

### •Insert printing

You can save a header and footer background form, and overlay documents created by Microsoft® Word or some other application on them as necessary. You can register up to 100 forms.

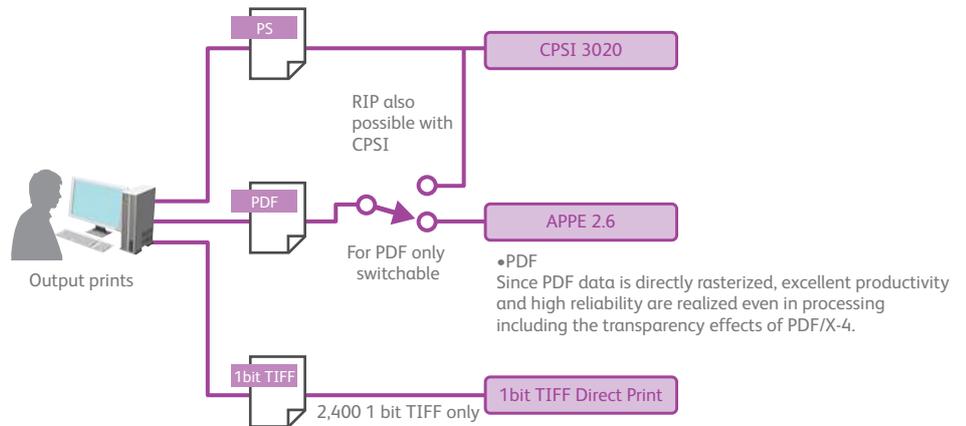


# Processing

Enabling high speed RIP processing, even for large amounts of data.

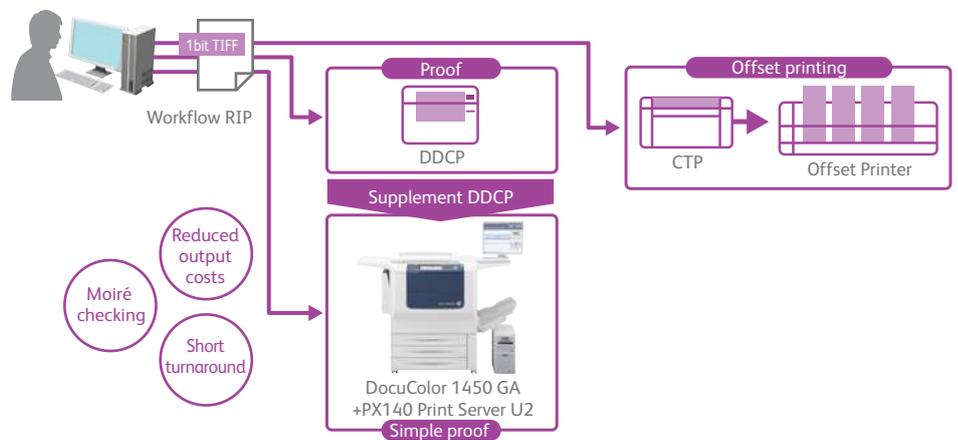
## Hybrid RIP supporting CPSI and APPE

Adobe® genuine CPSI (Configurable PostScript® Interpreter) 3020 and APPE (Adobe® PDF Print Engine) 2.6 are included. This enables the PostScript® data to be supported with the latest DTP applications and PDF/X-4 documents that include transparency effects to be accurately and speedily processed.



## 1 bit TIFF workflows enabled

Proofs and 2,400 dpi 1 bit TIFF data for CTP can be directly output. Since the four CMKY plates can be output after being converted to halftone dots, you can visually check the moiré before plate making process.



## High performance/high speed print server

PX140 Print Server which is Fuji Xerox-developed controller adopts 64-bit architecture. The latest hardware and image processing technology cultivated over long years enables high-speed image transfer that adopts lossless compression that does not degrade image quality.

## High speed printing of large amounts of data

The PX140 Print Server is equipped with a high-speed Intel® Xeon® E3-1275 v2 (3.5 GHz) processor\*. This enables high speed RIP processing for large amounts of data. Since the RIP data is stored on the hard disk, printing can be performed again without RIP processing when the number of copies is changed, etc. You can also print specific pages only.

\*: For the PX140 Print Server U2. The PX140 Print Server L2 uses an Intel® Core® i3-3220 (3.3 GHz) processor.

## Start printing with drag & drop

PostScript<sup>®3</sup>™, PDF 1.7, EPS, TIFF, JPEG, and PPML\* files can be directly printed without opening an application.

### •Drop print function

Printing can be easily performed on client computers by simply dragging and dropping the file to be printed to the Drop Utility icon. The number of copies and paper selection can be easily changed.

### •Hot folder function

The functions of the PX140 Print Server can be set for each folder. By simply sending files to a folder, the settings are applied and printing starts. Folders can also be shared in workgroups.

\*: PPML support is optional.

## Efficient network output enabled

Up to 100 each of TCP/IP lpr ports, hot folders, and AppleTalk are supported (the maximum number of logical printers that can perform at the same time is 20). Default print options can be set for printers (lpr), folders (FTP), and Macintosh clients to efficiently utilize functions.

### •lpr ports

The wide variety of PX140 Print Server functions can be utilized from the DTP software on UNIX<sup>®</sup> workstations and Windows client.

### •AppleTalk

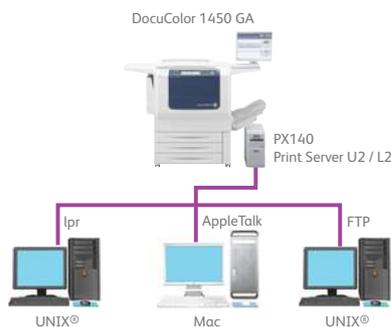
Comprehensive layout can be easily output by setting CMYK parameters according to client or job.

### •“Bonjour” for easy printer settings

Bonjour, which automatically detects devices and services on an IP network, is supported. For Mac OS X, PX140 Print Servers can be automatically detected simply by connecting to a network.

### •SMB

With Windows<sup>®</sup> file sharing, you can also perform printing from Windows<sup>®</sup> clients.



## Highly appealing “variable printing” enabled

Industry standard PPML\* is supported and variable printing environments that replace part of the elements such as text of document from one printed piece to the next can be flexibly constructed.

\*: PPML support is optional.

## Data before/after RIP can be checked

### •PDF exporting\*

Since the intermediate data before RIP can be exported in PDF format, the data before RIP can be checked.

### •Ripped PDF exporting\*\*

Since the raster data after RIP can be saved as a PDF file, the data after RIP can also be smoothly checked.

\*: Optional.Imposition & PPML Kit required.

\*\*: Optional.

## Wide range of applications as a network scanner made possible

Network TWAIN support. The device can be operated from a client PC as a high resolution 600 dpi network scanner that supports A3. A large amount of documents can also be consecutively scanned using the Duplex Automatic Document Feeder\*. The scanned data can be imported in DTP applications as TIFF or PDF files.

\*: Optional.



### Lossless compression without image quality degradation



## AppleShare support

The PX140 Print Server folders can be shared from Macintosh clients using AppleShare.

### •As hot folders

In addition to the drop print function that enables print options to be immediately set, printing is also possible with folder sharing using AppleShare.

### •Print result check previewing

TIFF files can be shared in folders using AppleShare, enabling the print results to be easily checked in Adobe<sup>®</sup> Photoshop<sup>®</sup> or other applications.

# Useful Functions

Various convenient functions are included in addition to the excellent image quality and performance.

## Copy, print, scan, and fax. All the basic MFD functions are included.

The DocuColor 1450 GA includes various high level functions for graphic arts professionals. Without question, it also includes all the basic multifunction device functions such as copy, print, scan, and fax. With this single device, it can also be used for general work in the design departments of advertising companies and design offices can also be used.

\*: The fax function is optional. Available in limited countries only.



## Many functions suitable for creative workplaces

### Scan data can be directly saved to "USB memory"

Scan data can be directly saved to USB memory inserted in the connector on the control panel.

※Optional. The Scan to USB Kit is required.



## Multi-Functional!

All the functions required at a work site in one device

This device can be used as a printer for outputting comprehensive layouts and proofs, and also for standard applications such as copying and faxing. Since the same device provides all these functions, it is space saving. The DocuColor 1450 GA is a "single device with 4 services" that is easy to operate but offers advanced functions. It can be conveniently utilized for a wide range of applications.

Supporting work with reduced mistakes and wastes

### Easier operations with simple screens

In addition to the standard copy and fax operation screens, the device includes a "simple copy" and "simple fax" screen. These screens provide large buttons for only the important functions and easy operations like a dedicated fax machine.



Regular copy screen



Simple copy screen



Regular fax screen



Simple fax screen

### Avoiding "mistakes" with Job Flow

Since typically performed processes can be registered, it is possible to notify recipients of received fax transmissions by e-mail, and to transfer received data to the recipient's PC. Mistakes such as not noticing the receipt of orders by fax can be avoided.



## Widely versatile!

### A3 scanning for a wider range of applications

If you have a multifunction device, a separate scanner and printer is not required. The DocuColor 1450 GA also supports A3 size documents and lossless compression that does not degrade image quality. It has various scanning features including store to folder, scan to PC, store & send link.

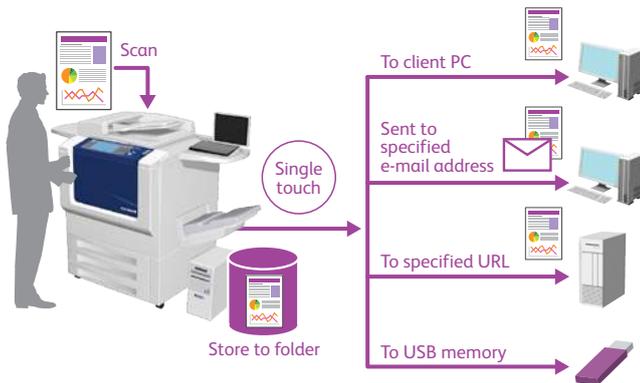
#### Two way scanning

### Easily saving scan data with a single touch

In addition to the folders of the device, scan data can also be saved in client PC, transferred to the specified e-mail address or URL, and saved to USB memory\*.

These operations can also be performed with a single touch.

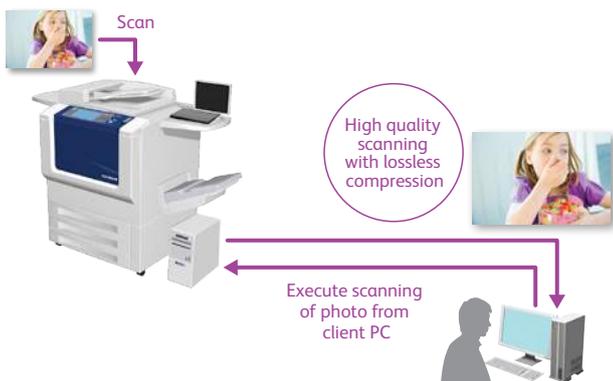
\*: Optional. The Scan to USB Kit is required.



### Lossless images easily scanned from the device using a client PC

TWAIN supporting applications can also be used to scan from Macintosh clients\*. The adoption of lossless compression means that images can be scanned without a loss in image quality. This makes more detailed image editing possible.

\*: MAC OS X.



## Efficiently Secure!

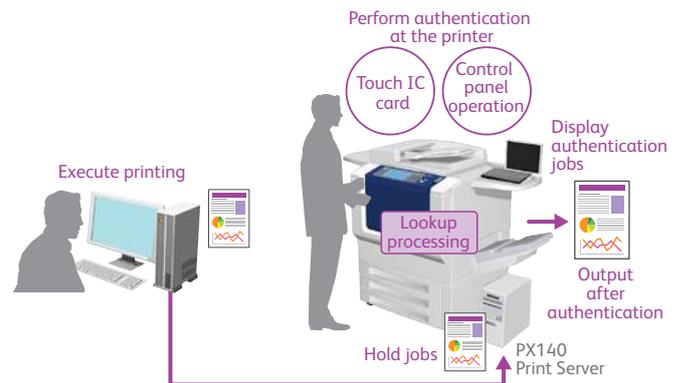
### Information leaks avoided

Information security measures are now an important issue for not only regular companies, but also for the people involved in design and production work. The DocuColor 1450 GA is equipped with security functions based on authentication.

#### Authentication

### Output after authentication to prevent "unattended output documents"

By performing authentication with the DocuColor 1450 GA, authentication jobs saved in the PX140 Print Server are displayed and can be operated. This enables problems arising from confidential documents being output and left where they are to be avoided.

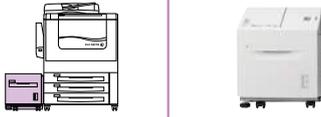


# Option & Configuration

Various feeding and finishing options to fulfill your needs.

## Feeding options

### A4 High Capacity Feeder



Capacity 3,900 sheets, maximum A4 size  
2,000 sheets x 1 tray + standard tray 1,900 sheets

### High Capacity Feeder B1-S



Capacity 3,900 sheets, maximum 330 x 488 mm  
2,000 sheets x 1 tray + standard tray 1,900 sheets

### High Capacity Feeder C1-DS



Capacity 5900 sheets, maximum 330 x 488 mm  
2,000 sheets x 2 tray + standard tray 1,900 sheets

※ With 90 gsm

## Duplex Automatic Document Feeder



## Monitor and keyboard



## Example of platen/simple catch tray configuration



### DocuColor 1450 GA

Main unit + print server  
Installed options: PX140 Print Server U2 with a LCD monitor and a monitor installation kit, Simple Catch Tray, Document cover, wing table

## Print server



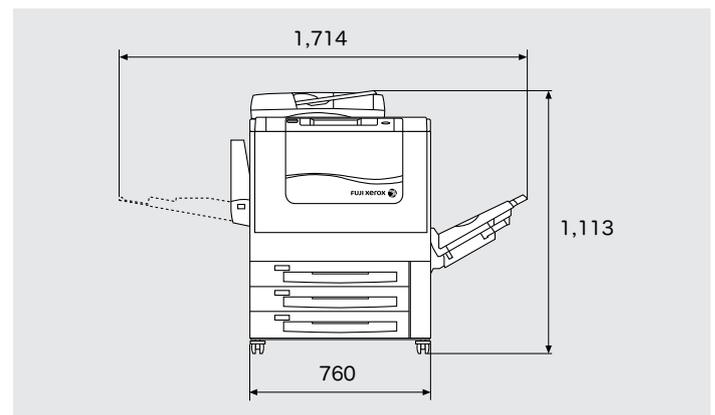
PX140 Print Server U2 PX140 Print Server L2

## i1<sup>®</sup> Pro2 Kit



## ■Dimensions

DocuColor 1450 GA (Duplex Automatic Document Feeder + Offset Catch Tray)



## Finishing options

### Simple Catch Tray



Output tray with a maximum capacity of 500\* sheets

\*: With 90 gsm

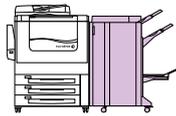
### Offset Catch Tray



Enables offsetting  
Output tray with a maximum capacity of 500\* sheets

\*: With 90 gsm

### Finisher C2 with Booklet Maker



Enables stapling, punching, saddle stitching and bi-folding  
Also supports coated paper\*

\*: For information on the supported coated paper, please contact your local Fuji Xerox representative.

## Major configuration examples



With Offset Catch Tray, a LCD monitor and monitor installation kit installed



With Duplex Automatic Document Feeder, A4 High Capacity Feeder, and Finisher C2 with Booklet Maker installed



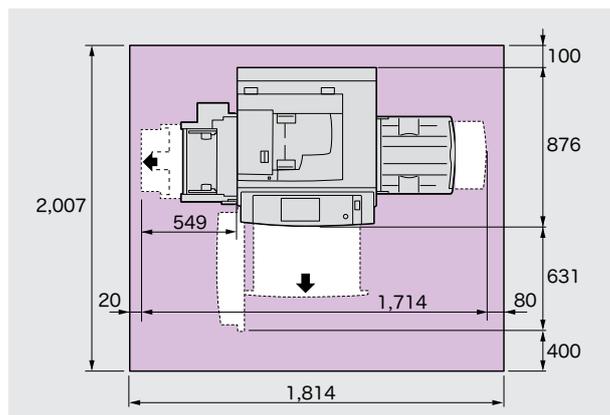
With Duplex Automatic Document Feeder, High Capacity Feeder B1-S, and Finisher C2 with Booklet Maker installed



With Duplex Automatic Document Feeder, High Capacity Feeder C1-DS, and Finisher C2 with Booklet Maker installed

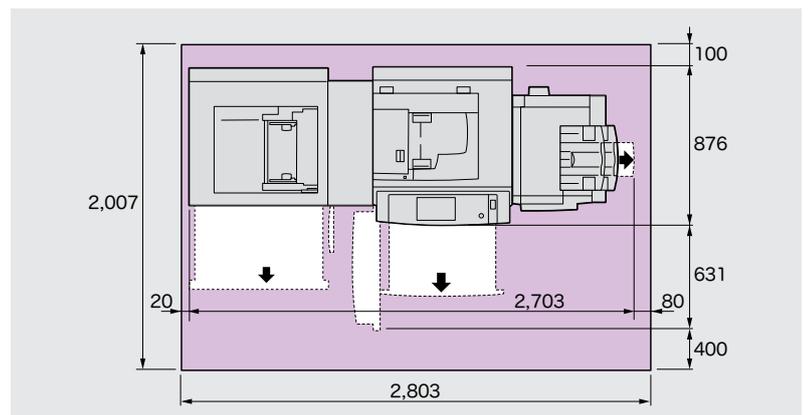
## Space Requirement

When the bypass tray and catch tray of the device are fully extended



(Unit : mm)

With the optional High Capacity Feeder C1-DS and Finisher C2 with Booklet Maker installed



## Specifications of DocuColor 1450 GA

### Basic Function/Copy Function

Category	Description	
Type	Console type	
Memory	1.5 GB	
HDD*1	80 GB	
Color Capability	Full color	
Scanning Resolution	600 x 600 dpi	
Printing Resolution	2,400 x 2,400 dpi (multicolored photo), 600 x 600 dpi (text, text/photo, photo, maps)	
Halftone/Printable Colors	256 levels for each color (16.7 million colors)	
Warm-up Time	525 seconds or less (at room temperature of 20°C)	
Original Paper Size	Maximum for sheet and book: 297 x 432 mm (A3, 11 x 17")	
Output Paper Size	Tray 1, 2, 3	Maximum: 330 x 488 mm [Bypass tray maximum: 330 x 488 mm]  Minimum: A5 [Bypass tray minimum: 100 x 148mm, envelopes: Japan Industry Standard defined size (120 x 235 mm)]
Output Paper Weight*2	Standard Tray	64 to 220 gsm
	Bypass Tray	64 to 300 gsm
First Copy Output Time	B&W: 6.6 seconds (with A4LEF/B&W priority mode) Color: 13.1 seconds (with A4LEF/color priority mode)	
Reduction / Enlargement	100 %	1:1 ± 0.7 %
	Preset	1:0.500,1:0.707,1:0.816,1:0.866,1:1.154,1:1.225,1:1.414,1:2.000
	Variable	1:0.25 to 1:4.00 (by 1 % increments)
Continuous Copy Speed*3	A4LEF/B5LEF	B&W: 51 ppm Color: 14.3 ppm
	A4SEF/B4SEF/B5SEF	B&W: 25 ppm Color: 7.1 ppm
	A3SEF	B&W: 25 ppm Color: 6.2 ppm
Tray Capacity*4	Standard	550 sheets x 3 trays + bypass tray 250 sheets
	Optional	A4 High Capacity Feeder: 2,000 sheets High Capacity Feeder B1-S: 2,000 sheets High Capacity Feeder C1-DS: 4,000 sheets
	Maximum Paper Capacity	5,900 sheets [standard + High Capacity Feeder C1-DS]
Continuous Copy*5	9,999 sheets	
Power Supply	AC 220-240 V ±10%, 10A or less, 50/60 ±3% Hz*6	
Power Consumption	2.2 kVA or less when 220V, 2.4 kVA or less when 240V*7	
Dimensions	Width 760 x Depth 876 x Height 1,120 mm	
Machine Weight	273 kg (with Duplex Automatic Document Feeder)	
Space Requirement*8	Width 1,714 x Depth 876 mm	

\*1: Not all of the indicated hard disk capacity can be used by the customer. \*2: It is recommended that you use the paper recommended by Fuji Xerox. Optimum image quality may not be reproduced, depending on the usage conditions. \*3: The speed may decrease due to image adjustment. \*4: With 90 gsm. \*5: The operation of the device may be temporarily paused to stabilize image quality. \*6: In China, 220V ±10%, 10A or less, 50 ±3% Hz. In Taiwan, 110V ±10%, 15A or less, 50 ±3% Hz. \*7: In China, 2.2kVA or less and in Taiwan, 1.65kVA or less. \*8: When the bypass tray is fully extended and the stopper of the Duplex Automatic Document Feeder is opened.

### Duplex Automatic Document Feeder (Optional)

Category	Description
Type	Duplex Automatic Document Feeder
Original Paper Size	Maximum: A3, 11 x 17" (279 x 432 mm) Minimum: A5
Original Paper Weight	38 to 128 gsm (duplex: 50 to 128 gsm)
Feeding Capacity*	75 sheets
Feeding Speed	B&W: 50.6 ppm (A4LEF simplex) Color: 41.1 ppm (A4LEF simplex)
Dimensions / Weight	Width 560 x Depth 510 x Height 120mm, 10 kg

\*: With 80 gsm.

### A4 High Capacity Feeder (Optional)

Category	Description
Paper Size / Paper Weight	A4, B5, 64 to 220 gsm
Tray Capacity	2,000 sheets x 1 tray
Dimensions / Weight	Width 389 x Depth 610 x Height 377mm, 29kg

\*: With 90 gsm.

### High Capacity Feeder C1-DS (Optional)

Category	Description
Paper Size / Paper Weight	100 x 148 mm to 330 x 488 mm*1, 64 to 300 gsm
Tray Capacity	2,000 sheets*2 x 2 trays
Power Supply / Power Consumption	AC 100-120/200-240 V ± 10 %, 5.0/3.0A, 50/60 Hz, 500 W
Dimensions / Weight	Width 989 x Depth 762 x Height 992 mm, 220 kg*3
Space Requirement*4	Width 2,185 x Depth 876 mm

\*1: Post Card Kit used when the paper is more than 100 mm and less than 182 mm in the horizontal direction. \*2: With 90 gsm. \*3: Including bypass tray and control panel. \*4: High Capacity Feeder C1-DS + main unit + Offset Catch Tray fully extended.

### High Capacity Feeder B1-S (Optional)

Category	Description
Paper Size / Paper Weight	100 x 148 mm to 330 x 488 mm*1, 64 to 300 gsm
Tray Capacity*2	2,000 sheets x 1 tray
Power Supply / Power Consumption	AC 100-120/200-240 V ± 10 %, 2.5/1.5A, 50/60 Hz, 250 W
Dimensions / Weight	Width 988 x Depth 762 x Height 992 mm, 190 kg*3
Space Requirement*4	Width 2,185 x Depth 876 mm

\*1: Post Card Kit used when the paper is more than 100 mm and less than 182 mm in the horizontal direction. \*2: With 90 gsm. \*3: Including bypass tray and control panel. \*4: High Capacity Feeder B1-S + main unit + Offset Catch Tray fully extended.

### Scan Function

Category	Description	
Type	Color scanner	
Original Paper Size	Same as basic functions/copy function	
Scanning Resolution	600 dpi x 600 dpi, 400 dpi x 400 dpi, 300 dpi x 300 dpi, 200 dpi x 200 dpi	
Scanning Halftone	Color: 10-bit input, 8-bit output for each RGB color	
Scanning Speed*1	B&W: 50 ppm, color: 41 ppm [For ITU-T No.1 chart (A4LEF), 200 dpi, store to folder]	
Connectivity	Ethernet 100 BASE-TX/10 BASE-T	
Store to folder	Protocol	TCP/IP (WebDAV, HTTP)
	File Format	Monochrome Binary: TIFF, DocuWorks*2, PDF*2, XPS*3 Grayscale: TIFF, JPEG*4, DocuWorks*2, PDF*2, XPS*3 Full color: TIFF, JPEG, DocuWorks*2, PDF*2, XPS*3
	Driver	TWAIN
	Operating System*5	Windows® 2000 Windows® XP Windows® Vista Windows® 7 Windows® 8 Windows Server® 2003 Windows® XP Professional x64 Windows® Vista x64 Windows® 7 x64 Windows® 8 x64 Windows Server® 2003 x64 Windows Server® 2008 x64 Windows Server® 2008R2 x64 Windows Server® 2012 x64
Scan to PC	Protocol	TCP/IP (SMB, FTP)
	Operating System*5	Windows® 2000 Windows® XP Windows® Vista Windows® 7 Windows Server® 2003 Windows Server® 2008 Windows® XP Professional x64 Windows Server® 2003 x64 Windows® Vista x64 Windows Server® 2008 x64 Windows® 7 x64 Windows Server® 2008 R2 x64 Mac OS X 10.2.x/10.3.8/10.3.9/10.4.2/10.4.4/10.4.8/10.4.9/10.4.11/10.5.0/10.5.1/10.5.2/10.5.3/10.5.4/10.6
	File Format	Monochrome Binary: TIFF, DocuWorks, PDF, XPS*3 Grayscale/full color: TIFF, JPEG, DocuWorks, PDF, XPS*3
Scan to e-mail	Protocol	TCP/IP (SMTP)
	File Format	Monochrome Binary: TIFF, DocuWorks, PDF, XPS*3 Grayscale/full color: TIFF, JPEG, DocuWorks, PDF, XPS*3

\*1: The scanning speed differs according to the document. \*2: Supported only when documents are required CenterWare Internet Services. \*3: XPS is an abbreviation for XML Paper Specification. \*4: When the network scanner utility 3 is used. \*5: Please contact your local Fuji Xerox representative for information on the latest supported operating systems.

#### External Controller

Category	PX140 Print Server U2	PX140 Print Server L2
CPU	Intel® Xeon® E3-1275 v2 (3.5 GHz) processor	Intel® Core® i3-3220 (3.3 GHz) processor
Media Drive	DVD multi drive, hard disk 500 GB + 1TB x2	DVD multi drive, hard disk 500 GB (1.5 TB)
Memory	8 GB (maximum 16 GB with optional memory)	8GB
Built-in Fonts	Roman: 136 fonts Simplified Chinese: 2 fonts (AdobeSong-Std-Light, AdobeHeiti-Std-Regular) Traditional Chinese: 1 font (AdobeMingStd-Light) Korean: 1 font (AdobeMyungjoStd-Medium)	
Page Description Language	Adobe® PostScript® 3™, PPML*1	Adobe® PostScript® 3™, PPML*1
Print Data Format	PS, PDF, EPS, TIFF, JPEG	
Operating System*2	Windows® XP Windows® Vista Windows® 7 Windows® 8 Windows Server® 2003 Windows Server® 2008 Windows® XP Professionalx64 Windows® Vista x64 Windows® 7 x64 Windows® 8 x64 Windows Server® 2003 x64 Windows Server® 2008 x64 Windows Server® 2008R2 x64 Windows Server® 2012 x64 Mac OS 9.2.2 Mac OS X 10.3.9/10.4.11/10.5.8/10.6.8/10.7.5/10.8	
Connectivity	Ethernet 1000 BASE-T/100 BASE-TX/10 BASE-T	
Protocol	TCP/IP, AppleTalk, SMB, Bonjour	
Power Supply	AC 100-240 V ± 10%, 4.3-1.8 A, 50/60 Hz	
Power Consumption	Maximum: 370 W or less	
Dimensions	Width 190 x Depth 420 x Height 365 mm	
Machine Weight	11 kg (excluding monitor and keyboard)	

\*1: Optional. \*2: Please contact your local Fuji Xerox representative for information on the latest supported operating systems.

#### Fax Function (Optional only in limited countries)

Category	Description
Send Document Size	Maximum: A3, 11 x 17", supporting up to 600 mm
Recording Paper Size	Maximum: A3, 11 x 17", minimum: A5
Transmission Time*1	2 to 3 seconds
Transmission Mode	G3
Scanning Resolution	Standard: 8 x 3.85 lines/mm, 200 x 100 dpi (7.9 x 3.9 dots/mm) Fine: 8 x 7.7 lines/mm, 200 x 200 dpi (7.9 x 7.9 dots/mm) Superfine (400 dpi): 16 x 15.4 lines/mm, 400 x 400 dpi (15.7 x 15.7 dots/mm) Superfine (600 dpi): 600 x 600 dpi (23.6 x 23.6 dots/mm)
Coding Method	MH, MR, MMR, JBIG
Transmission Speed	G3: 33.6/31.2/28.8/26.4/24.0/21.6/19.2/16.8/14.4/12.0/9.6/7.2/4.8/2.4kbps
No. of Fax Lines	Telephone Subscriber Line, PBX, Facsimile Communication Network(PSTN), maximum 3 ports*2 (G3-3 ports)

\*1: When sending an A4 size document with approximately 700 characters at standard resolution (8 x 3.85 lines/mm) with the high speed mode (28.8 kbps or more: JBIG). Only includes the transmission time for the image information and not the time for transmission control. The actual transmission time differs according to the content of the document, the recipient machine, and the condition of the line. \*2: A maximum of 3 lines can be connected. The Fax Extension Board 2 and Additional G3 Port 2 are required to use 3 lines. The ports refer to the number of channels that can communicate.

#### Internet Fax Function (Optional)

Category	Description
Document Size	A3, B4, A4
Scanning Resolution	Same as the fax function
Output Format	Format: TIFF-FX, Compression Method: MH, MMR, JBIG
Profile	TIFF-S, TIFF-F, TIFF-J
Protocol	Sending: SMTP, Receiving: SMTP, POP3
Connectivity	Ethernet 100 BASE-TX/10 BASE-T

#### Simple Catch Tray (Optional)

Category	Description
Paper Size	Maximum: 330 x 488 mm Minimum: 100 x 148 mm
Paper Capacity*	500 sheets
Paper Weight	64 to 300 gsm
Dimensions/ Weight	Width 460 x Depth 393 x Height 184 mm, 6 kg

\*: With 90 gsm.

#### Offset Catch Tray (Optional)

Category	Description
Paper Size	Maximum: 330 x 488 mm Minimum: 100 x 148 mm
Paper Capacity*	500 sheets
Paper Weight	64 to 300 gsm
Dimensions/ Weight	Width 460 x Depth 393 x Height 184 mm, 6 kg

\*: With 90 gsm.

#### Finisher C2 with Booklet Maker (Optional)

Category	Description	
Tray Type	Output Tray	Sort (offset available)/stack (offset available)
	Finisher Tray	Sort (offset available)/stack (offset available)
	Booklet Tray	Sort/stack
Paper Size / Paper Weight*1	Output Tray	Maximum: 330 x 488 mm Minimum: 100 x 148 mm, 64 to 300 gsm
	Finisher Tray	Maximum: 330 x 488 mm Minimum: B5, 64 to 220 gsm
	Booklet Tray	Maximum: 330 x 457 mm Minimum: A4, letter (8.5 x 11"), 64 to 220 gsm
Stacker Capacity*2	Output Tray	500 sheets (A4)
	Finisher Tray	[Without stapling] A4: 1,500 sheets B4 or larger: 1,500 sheets Mixed stack*3: 300 sheets or more [With stapling] A4: 200 sets (1 staple), 100 sets (2 or 4 staples) B4 or larger: 100 sets or 1,500 sheets Mixed stack*3: 70 sets or 200 sheets or more
Booklet Tray*4	20 sets	
	Capacity	50 sheets (90 gsm or less)
Staple	Paper Size	Maximum: A3, 11 x 17", Minimum: B5
	Position	1 staple (top, bottom, angled stapling) 2 staples (parallel stapling)
	Punch	Paper Size: A3, 11 x 17", B4, A4, Letter (8.5 x 11"), B5 Number of Holes: 2 and 4 holes (3 holes with optional module) Paper Weight: 64 to 200 gsm
Booklet Finishing	Capacity	Saddle stapling: 15 sheets*5, bi-folding: 5 sheets
	Paper Size	Maximum: 330 x 457mm, Minimum: A4, letter (8.5 x 11")
	Paper Weight	Saddle stapling/ Bi-fold: 64-90 gsm*8
Dimensions/ Weight	Width 921 x Depth 650 x Height 1,010 mm*6, 86 kg	
Space Requirement*7	Width 2,232 x Depth 876 mm	

\*1: Sizes smaller than B5 are output to the center part of a tray. \*2: With 90 gsm. \*3: When larger size paper is stacked above smaller size paper. \*4: Some paper may not be able to be loaded depending on the paper type and usage conditions. \*5: 14 sheets when a cover is attached. The maximum number of sheets that can be bi-folded can be changed with a customer engineer setting. \*6: Excluding terminal area set in the main unit. \*7: Main unit + Finisher C2 with Booklet Maker, with extension tray extended and bypass tray fully extended. \*8: 64-220 gsm paper can be used as a cover sheet.

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The contents described herein are correct as of February 2014.