

VISUAL DOT

DOT PROOFING INKJET TECHNOLOGY

DOTBATCH

User's Guide

Version 1.5 English

Developed by CODEL Systems Inc.
& Provided and supported by VALLOY Inc.

Software Information

Dot Proofing Inkjet Technology

VisualDot software is developed for generating contract proof including screen dots with using inkjet printers.

The software previews processed 1 bit TIFF data from PostScript Rip software and analyzes merged 1 bit TIFF data.

The software converts the data into files in various format (32 bit TIFF, JPEG, BMP, PDF and etc), with selecting preferred resolution and compression method.

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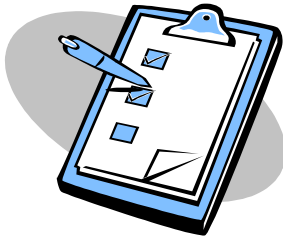
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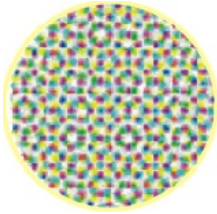
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OVERVIEW

Rip-Independent Dot-proofing Inkjet Technology



- Key Features of the Product
- Environment for the Product

Overview

Key Features of the Product

Dot proofing of Automatic process

- Visual DotBatch is Automatic processing module for prompt Dot-proofing workflow without manpower.
- DotBatch monitors multiple Hotfolders for file input and automatically convert separated 1 bit TIFF files into 32 bit composite or 8 bit separate Dot-proof file and Preview image file and those files can be saved into different folders specified. **NEW**
- Parameters including Spot colors, Resolution, File format, mirroring and other settings can be differently defined to each hotfolder to generate Dot-proof file and Preview file as expected in various options automatically under the differently defined output folders. **NEW**



Environment for the Product

System Requirement

Processor: Intel Pentium III 1G MHZ or higher

OS: Windows 2000 Professional or higher version of Windows OS

Memory: 512MB or more

Hard disk: Min. 1GB free space (more than 2GB recommended)

Port: USB port is required

Importable file format

Any 1-BIT TIFF file created from any Rips

Compatible compressions for Input/Output

CCITT G4, CCITT G3, CCITT Huffman RLE, and Packbits

Supported Printers

Epson Stylus Pro 4000, 7000, 7500, 7600, 9000, 9500, 9600, 10600... Epson Stylus Photo 2100, 2299...

HP Designjet 10PS, 20PS, 50PS, 120, 1050c, 5000, 5500..., HP 30, 130... Cannon W2200, BJC-8500...

and many others (Depending on the resolution of printers and Proof Rip software drivers)

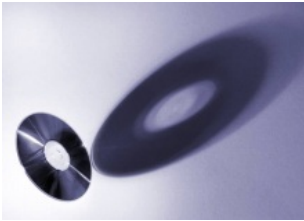
Rip for Proof Printing and Color matching

Any Rip importing 32BIT TIFF, PDF, PS or JPEG files.

* If you're not equipped with printing rip,

Our syster product, TOPAZ Rip v.8.6 is recommended for this purpose

INSTALLATION



- Installation with program CD
- Lock Key Driver installation
- Start the program
- Uninstall the program

Installation

Installation with program CD

When users insert the installation CD in their CD-ROM, install program will run automatically.
 Or users can access to the CD to execute setup.exe file.



Initial window during the installation

Lock Key Driver installation

Please connect the USB security lock first and run Lock Key Driver Installation by clicking "Lock Driver" button. Generally lock driver will be installed automatically with checking the version of users' operation system. After the installation of the lock driver, windows operation system will recognize the USB lock key (dongle).

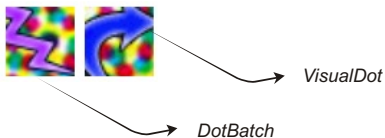
** You're recommended to connect the USB security lock key into your USB port after the installation of USB lock driver.*

** Even you're a USER OF EVALUATION VERSION without Lock key, you're recommended to install the lock driver for better performance and speed during evaluation.*



Start the program

Click 'Start' button to access the program ([Start]->[Program]->[CodeI Systems]->[VisualDotBatch]) or double click the [VisualDot Batch v1.5] icon on your windows desktop.

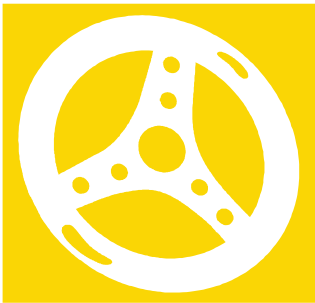


Uninstall the program

Click 'Start' button to access the windows control panel and uninstall the [Visual Dot v1.5] program in 'Program add or delete' option.

([Start]->[Setting]->[control panel] ->[Program add or delete])

OPERATION

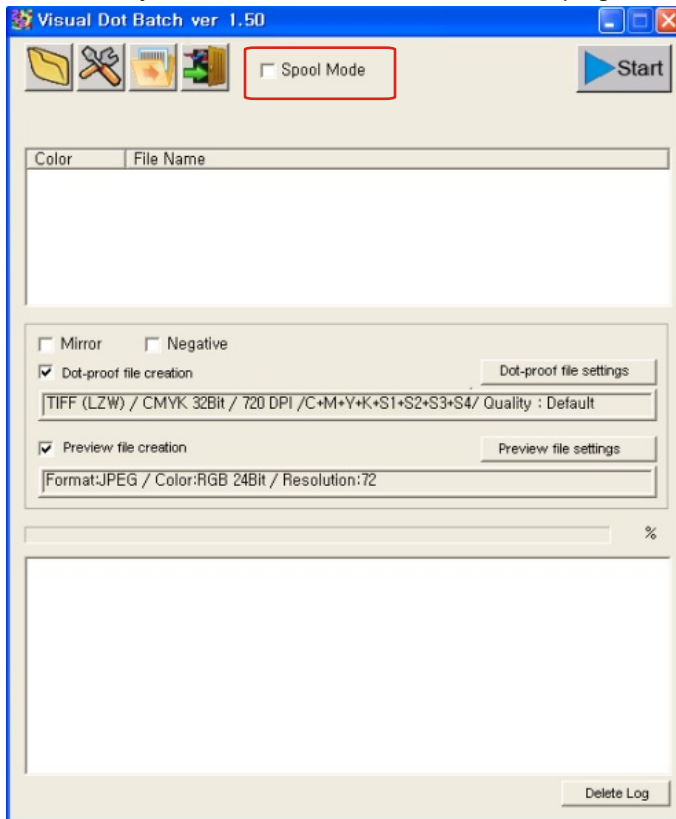


- Manual Operation
 - First Running
 - File Loading
 - File Format Conversion
 - Creation of Dot-proof file
and Preview image file
- Automatic Operation
 - Spool Option Settings (HOT FOLDERS)
 - Running Automatic Module
- Setting and Others
 - Preference Setting
 - Quit the program

Manual Operation

First Running

When you double click DotBatch icon on the desktop or select Start > Program files > Corel Systems > DotBatch, you'll see the main window of DotBatch program as below.



In MANUAL OPERATION, the check button of SPOOL MODE should be deactivated. If SPOOL MODE is ON, that means "Automatic Operation", not "Manual Operation".

All features are exactly same with the Stand-Alone program, VisualDot. However, this DotBatch program does not support Soft Dot-proof Analysis tools.


The difference of DotBatch is that it supports "automatic" server features like Hot-Folder Monitoring, Automatic composition of 1 bit TIFF files, conversion and creation of composit or separate output files like Dot-proof file and Preview file with faster speed. Furthermore, DotBatch supports "Multiple" Hot-folder environment with different settings like input location, output location, file format, resolution, spot color settings, compression format and etc. for each Hot-folder job.

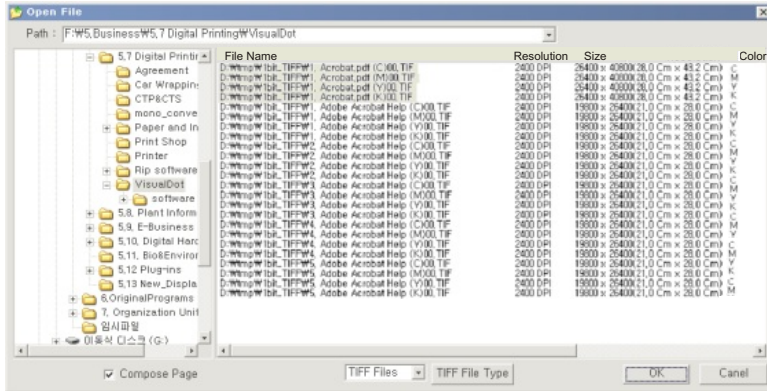
These functions will be very useful for every prepress and color proofing workflow.

Operation

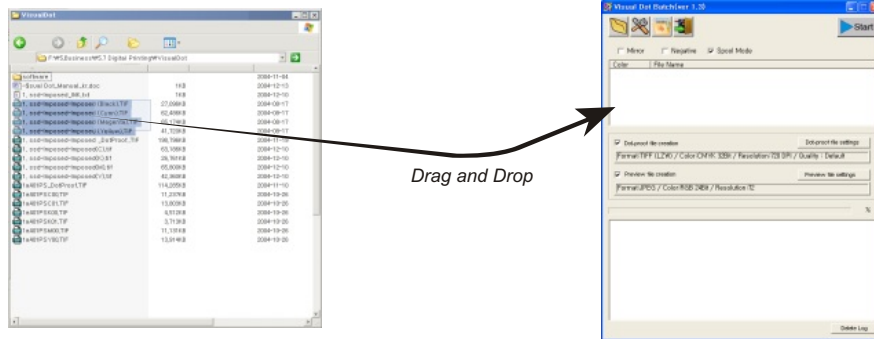
Manual Operation

File loading

First of all, it is required to open processed 1 bit TIFF files from CTP / CTF PS rip software. Click 'File' menu in the menu bar and select 'Open' menu to see 'file open dialog window' as below. Also you can click 'File Open' icon on the tool bar to execute File Browser dialog window. 



Or user can drag and drop 1 BIT separated TIFF files from any location into the program main GUI easily.

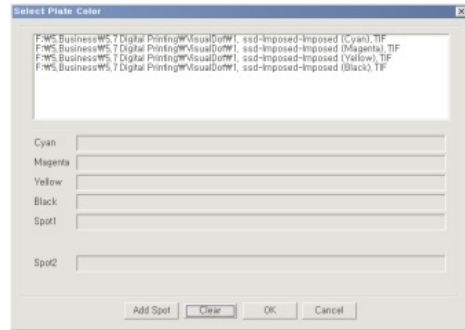
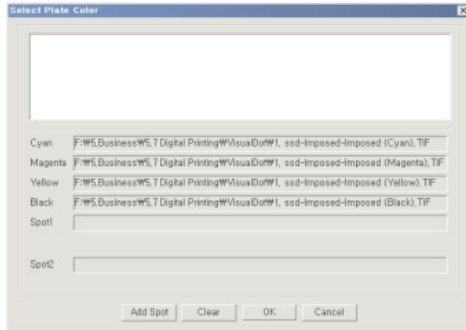


All separated files should be loaded at the same time. So, please be cautious to open multiple TIFF files at a time with multiple selection by mouse dragging or Shift+mouseclick method.

Operation

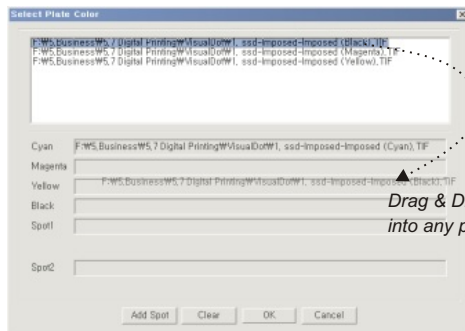
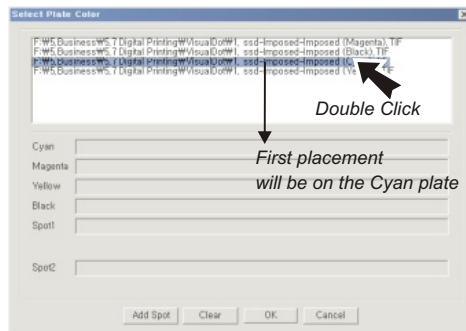
Manual Operation

When you select multiple files and press 'OK' button on the File Browser dialog window or when you drag and drop multiple files into the Main GUI of the program, below plate selection dialog window will appear.



If 'naming rules' of TIFF file are defined in the 'TIFF type' library, each of TIFF files will be placed into the each color plate like the left image. If 'naming rule' is not defined or file name is not matched with the existing naming rules, you need to place the each TIFF file into the each color plate manually. Also, you need to press 'Clear' button when you's like to place the wrongly placed TIFF file again.

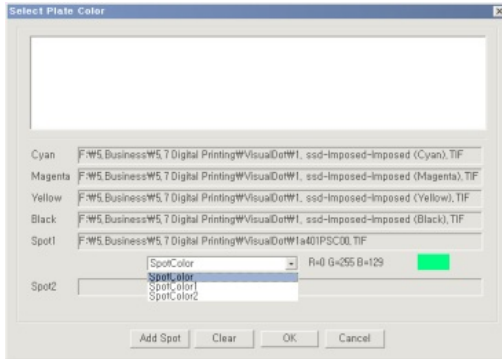
TIFF files can be manually placed by 'Sequential double-clicking' or 'Mouse drag&drop'. When you double click any of the loaded TIFF files in the white square, ready for place placing, each will be placed into color plates sequentially in order of C, M, Y, K, Spot1 and Spot2. Also you can drag and drop each TIFF file into each color plate section in a gray box.



Operation

Manual Operation

When you place any TIFF file into the Spot color plate, you need to define the Spot color exactly. When placing on Spot Color plate section, you'll see below changed dialog window.



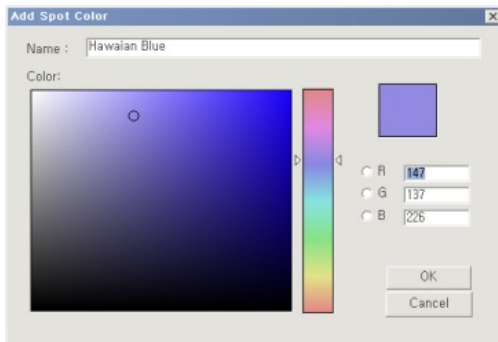
Name	R	G	B
PANTONE Yellow	247	224	23
PANTONE Yellow 012	247	217	23
PANTONE Orange 021	237	110	0
PANTONE Warm Red	245	64	41
PANTONE Red 032	237	46	56
PANTONE Rubine Red	207	3	92
PANTONE Rhodamine Red	230	0	148
PANTONE Purple	186	31	181
PANTONE Violet	102	0	161
PANTONE Blue 072	41	5	161
PANTONE Reflex Blue	23	23	150
PANTONE Process Blue	0	140	204

Panton Index for your Spot Colors is available in the list of spot colors.

If there are pre-defined Spot Colors, you'll see the list in the pull-down menu. Spot colors can be managed in the 'Setting' menu. (See details in 'Preference Setting' part of 'Setting and Others' section in this chapter on page 33.)

If there's no pre-defined Spot Colors for the current specific TIFF file, you can easily add the specific Spot Color here by clicking 'Add Spot' button.

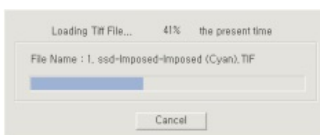
Below 'Add Spot Color' window will appear when pressing 'Add Spot' button.



You can define the color by mouse clicking on the color palette. You can type the exact value of R, G, B in the text box to define the Spot Color too. Type the current Spot Color name and Press 'OK' button to confirm additional Spot Color.

After placing all TIFF files into the right color plate sections, press 'OK' button.

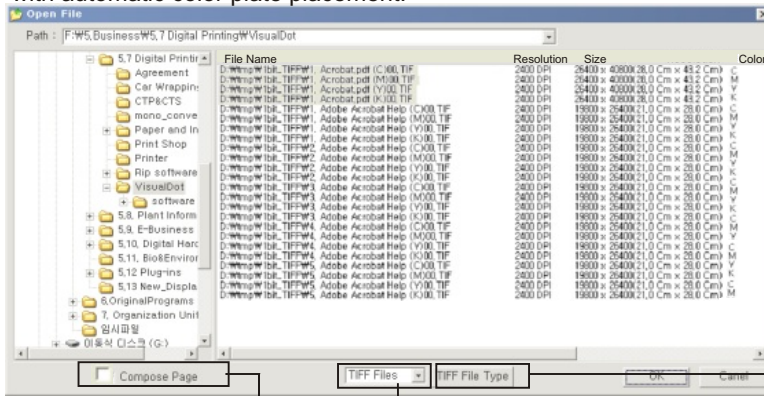
The program will load and combine the selected multiple TIFF files with color separation information.



Operation

Manual Operation

There's much more convenient way of multiple file loading.
 By defining naming rules of your own for your TIFF files, you can load TIFF files set at once, with automatic color plate placement.



TIFF JOB NAME is internal information of the file stored during the creation of the file from Rip. In this case, spot color name is also stored. If the name of spot color is identical with that of the library, DotBatch can do automatic processing.

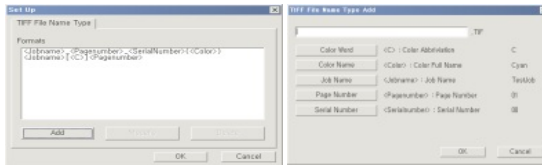
(2) TIFF file naming rule for combining files

(3) File selection in combined set

(1) Sorting Type selection of files



(1) For sorting of files, the list can be sorted by "TIFF JOB name", "TIFF FILE name" or "RAS files". With selection of TIFF JOB name, files will be sorted by internal job name with color information. With selection of TIFF FILE name, files will be sorted by physical file name and it is required to build a customized naming rules to import each separate file as a composite at once.



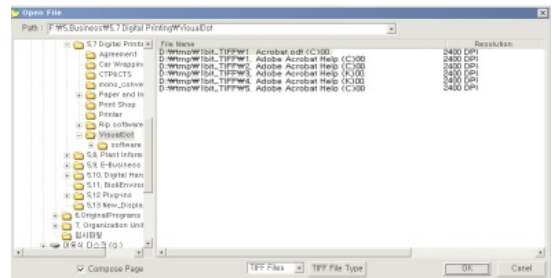
For example, TestJob(K)-01.Tif file is following the naming rule of "<Jobname><C>-<Page number>".

(2) To add and edit your own naming rules for importing TIFF files, press 'TIFF File Type...' button in the File Browser dialog window. You'll see below left window for defining naming rules. To add or modify a specific naming rule, you can adjust parameters in the below right window.

To define a naming rule of TIFF FILE NAME for Spot color plates, it is recommended to use <Color> rather than <C>.

(3) If each color separated files are named by rules registered in 'TIFF file type' setting, you can easily select combined set of files by activating 'Compose page' option.

The original list of TIFF files will be simplified into the right window where sets of TIFF files will appear by combining TIFF files with the defined naming rules. Select a single set of TIFF files and press 'OK' to load the TIFF file set. Placing into the each color plate will be done automatically.

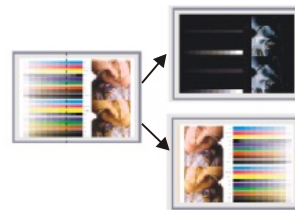
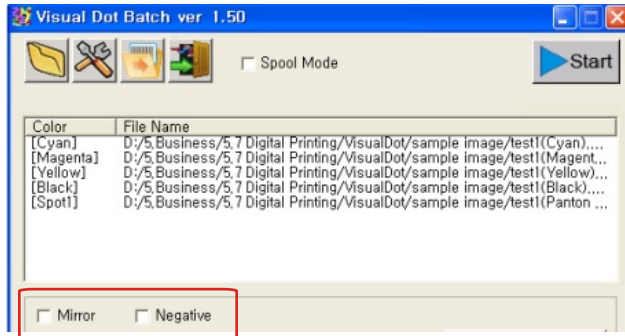


Operation

Manual Operation

File Format Conversion

After loading and merging the 1 BIT TIFF files, you can convert the original files into negative or Mirrored files by checking the option checkbox.



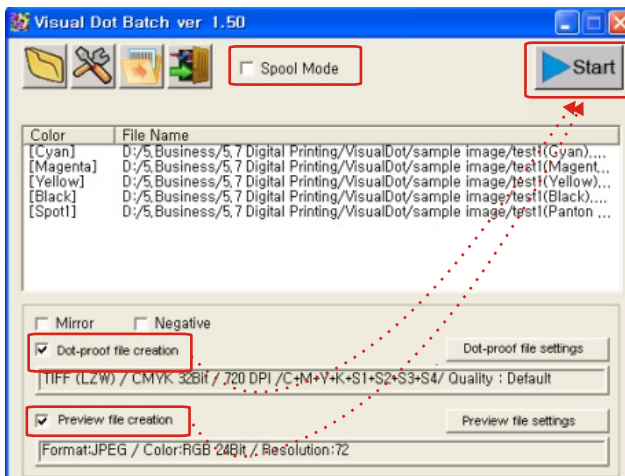
Creation of Dot-proof file and Preview Image file

The program supports creation of small sized 'Preview image' for transferring it to designers or customers for reference. For this, just check "On" of 'Preview file Creation' checkbox and press "START" button.

For creation of Dot-proof file, you can do exactly same process, just click "On" of "Dot-proof file Creation" check box and press "START" button.

Be cautious that for this Manual Conversion Process, you need to check "OFF" of "Spool Mode" check box when pressing "START" button.

Before creation of those files, you're required to check and modify current settings of file creation, by clicking "Dot-proof file settings" button and "Preview file settings" button.



Operation

Manual Operation

In the below windows, user can adjust settings for Dot-proof file creation and Preview file creation. You can setup resolution of Preview image at whatever value you prefer, same with or lower than 300 DPI in JPEG, PDF, TIFF or BMP format.

For Dot-proofing image, it supports 32 bit composite TIFF format, 8 bit separate TIFF format, composite PDF format and composite PS format in resolution of 300, 360, 600 and 720 DPI.

You're recommended to use 600 DPI for HP and Canon proofers and 720 for Epson proofers.

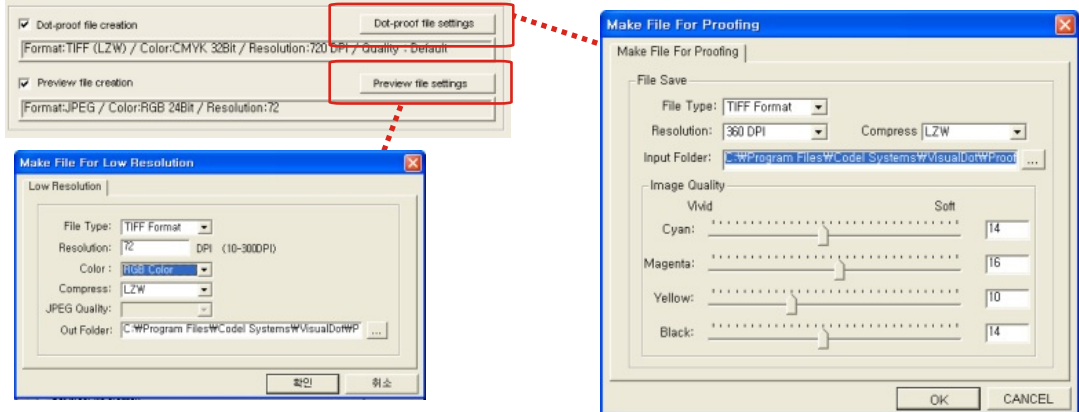


Image quality can be also adjusted in the slide bar controller. With moving the slide to the left, screen dots will be generated more clearly for each color.

Too vivid (or sharp) Dots can cause unexpected Moire effect on the proof output. You're advised to calibrate the environment of Dot-proofing first to get the maximum sharpness of the output before dot-proofing.

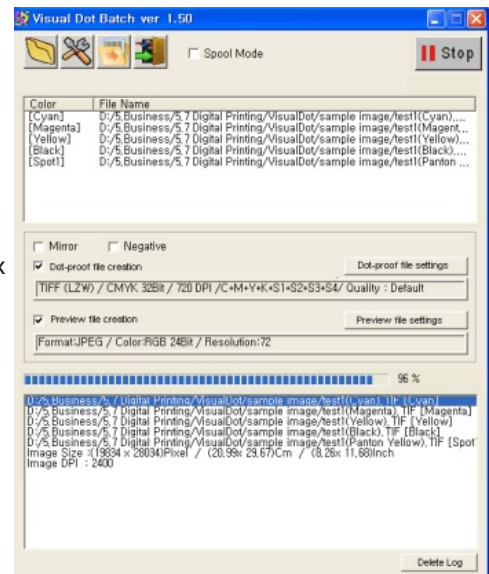
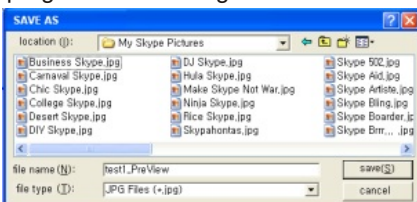
(* See VisualDot Manual)

You can define the location of output files like preview image and dot-proof image in advance.

This output folder setting is only for manual operation, not automatic operation where output folder locations are specified in each Hot-folder setting.

If the defined location cannot found or the same name of file exists in the folder, you'll see "Save As" dialog box when you create Dot-proof image and Preview image.

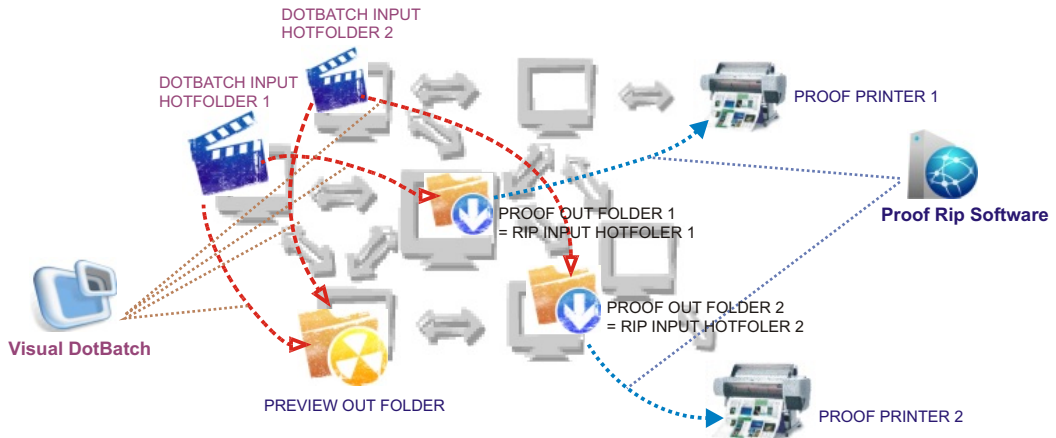
By pushing "START" button, you'll see file creation progress bar with log information.



Operation

Automatic operation

Automatic Operation



With using Visual DotBatch, you can configure any kind of automatic process, from PS Rip's 1 bit TIFF generation to final dot-proof print out. DotBatch's multiple queues management enables each different settings and output folder locations for the maximum of freedom in your workflow.

For example, you can create "32BIT TIFF_CMYKOrGr_720DPI_Epson" or "8BIT SEP TIFF_CMYK_600DPI_HP5500" hot folder with prepared settings.

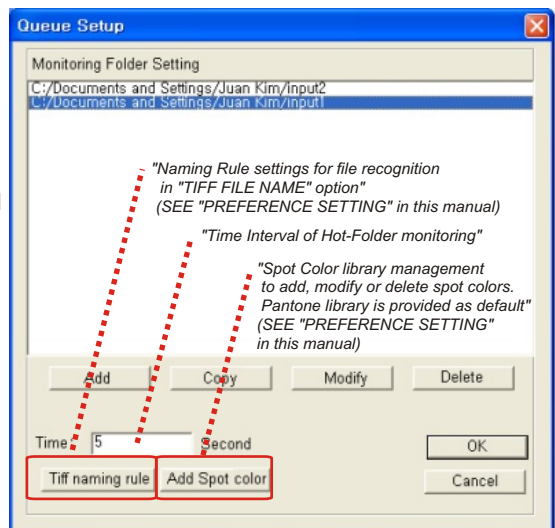
Any input 1 bit TIFF files will be automatically converted into Dot-proof image and saved in a certain location previously defined by Dot-batch. The Dot-proof image also can be read and printed with pre-defined settings if you use 'Input Queue' option or 'Hot-Folder' option in your proof Rip.

Spool Option Settings

For Automatic operation, you need to setup "Spool Option" in advance. When you click 'Spool Setup' button, you'll see dialog window for Queue Setup.

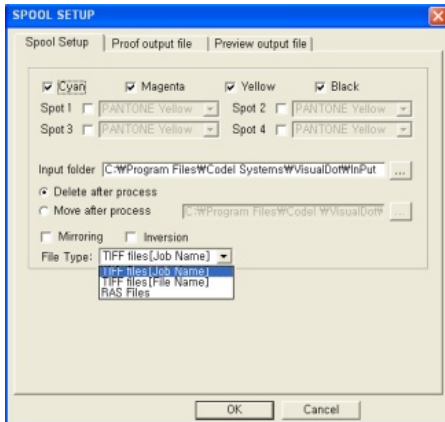
Multiple Queues can be created, copied, modified and deleted here and each queue requires definition of below parameters;

- Colors including Spot Colors
- Input Queue Hot-Folder Location
- Input File Treatment after processing
- Mirroring and Inversion setting
- File Type for automatic recognition
- File format, resolution, compression type, quality (sharpness) settings for proof output
- Output folder location for proof and preview
- File format, resolution, color type, compression type, quality setting for preview image output



Operation

Automatic operation

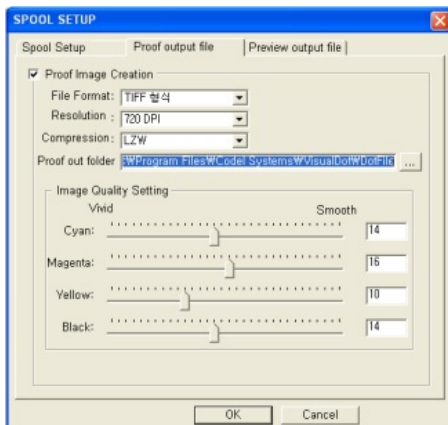


If you create new Hot-Folder (Queue), the left dialog box will appear. The first Tab describes options for "1 BIT TIFF File Input".

First of all, you need to select each separate color to composite them into a proof output. If you're using SPOT colors, currently DotBatch supports up to 4 Spot colors. The spot color should be defined in the spot color library in advance.

And the exact location of input queue Hot-Folder should be defined. And you need to select if you'll delete the input images after processing or restore them in the same or different location. You also can use mirroring or inversion option for this automatic process.

"File Type" is very important for the exact recognition of 1 bit separated TIFF files as a single composite set. If you'd like to use internal job name which is an information of the image like jobname, color, resolution, size and etc during being created by the PS Rip. If you're using this option for Spot color 1 bit TIFF, the exact name of spot color in the internal job name should be defined in the spot color library in advance. If you'd like to use physical file name to recognize input images for each color, the recognition will follow the "naming rule" which is defined and customized in advance. For example, if you're using <Jobname>(<C>) for the naming rule, the recognizable 1 bit TIFF files can be TEST1(C).TIFF, TEST1(M).TIFF and etc. In this case, spot color is hard to be recognized. If you're using spot colors, you need to use <Jobname>-<Color> or similar. The recognizable 1 bit TIFF files can be TEST2-Cyan.TIFF, TEST2-Magenta.TIFF, TEST2-Black.TIFF, TEST2-Spot1.TIFF, TEST2-Pantone Yellow.TIFF and etc. The name of Spot color should be listed in the library already.



The second Tab describes options for "Dot-proof File output". First of all, you need to select if you'll create Dot-proof file or not by checking the check box. If your selection in 'ON', you need to setup parameters for Dot-proof image creation.

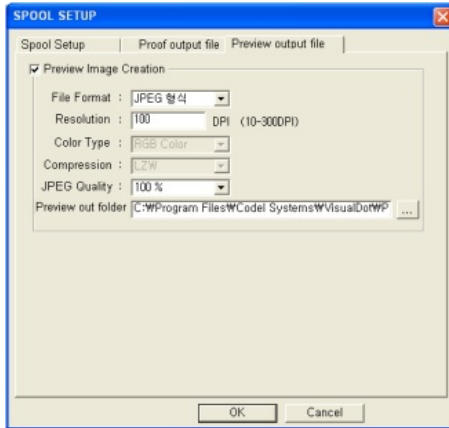
Proof image file format can be selected between 32 bit composite TIFF, 8 bit separate TIFF, PDF and PS formats. Resolution can be determined between 300, 360, 600 and 720 DPI. Compression type can be None, Packbit or LZW. Image quality can be also adjusted in the slide bar controller. With moving the slide to the left, screen dots will be generated more clearly for each color screen.

You're advised to calibrate the environment of Dot-proofing first to get the sharpest dots in the output before proofing.

* SEE VISUALDOT MANUAL TO LEARN ABOUT CALIBRATION

Operation

Automatic operation



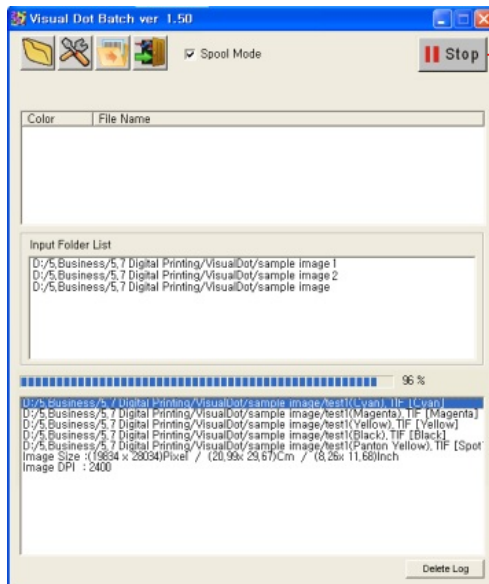
The third Tab describes options for "Preview image file output". First of all, you need to select if you'll create preview image file or not by checking the check box. If your selection in 'ON', you need to setup parameters for preview image creation.

And the exact location of Preview output folder should be defined.

Preview image file format can be selected between 32 bit TIFF, JPEG, BMP and PDF formats. Resolution can be determined as any preferred number from 10 DPI to 300 DPI. For TIFF format, compression type can be None, Packbit or LZW. JPEG quality can be also adjusted from 70% to 100%.

Running Automatic Module

After setup of one or more Hot-Folder(s), you're ready for automatic operation with Visual DotBatch. To activate the Automatic module, you need to check "Spool Mode" checkbox On and push "START" button. The program will monitor every new imported TIFF files and convert them into Preview or Dot-proof files. Created files will be stored in the specified folders.



During the activation of Spool mode, Start button will be changed into Pause button.

You can push "Stop" button to stop the automatic Spool Mode.

When there are new 1 bit TIFF files with recognizable names in any of monitored Hot-Folder, Output processing will be done automatically and leaves log information of the results.

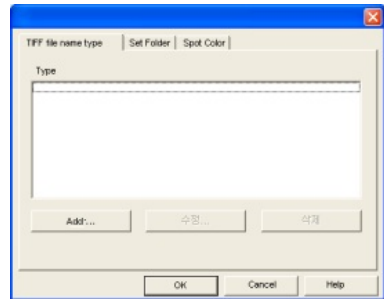
Setting and Others

Preference Setting

With pressing 'preference setting' icon in the tool bar, you can access to the 'Preference setting' dialog window. 'Preference setting' dialog window contains 3 tabs each of which allows user's setup of parameters.

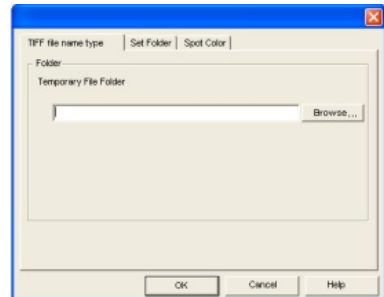
(1) Tiff File Name Type Tab

For convenience in multiple file loading, you can define naming rules of your own for your TIFF files. With the defined file name types (naming rules), you can load TIFF files set at once, with automatic color plate placement. You can create, modify and delete naming rules here as you see on the right image. Creation or edition of Tiff file naming rule is explained previously in this manual.



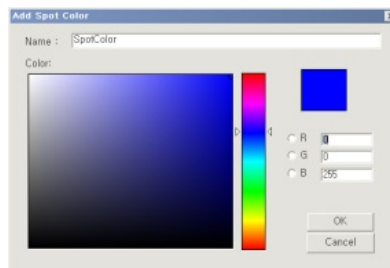
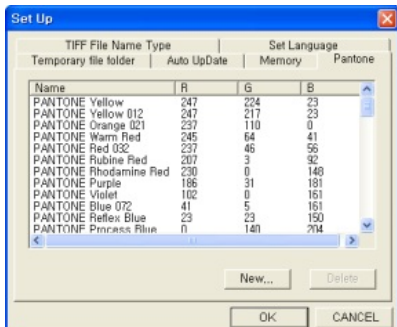
(2) Set Folder Tab

Folder location as a working place of VisualDot can be defined here. Default value is, "C:\Code\systems\VisualDot\Temp".



(3) Spot Color Tab

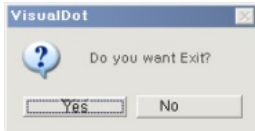
Spot color information can be managed in this tab. When any of your 1 BIT TIFF images are using Spot Color, you need to define the RGB value of the Spot Color here in advance. Adjust the color bar in the middle of the 'Add Spot color' palette window to point preferred color with the mouse. Or you can type the value of R, G or B to change the gamut of palette. If you know exact value of RGB for a specific Spot Color, you can type the value immediately. Type the Spot Color name and press 'OK' for your confirmation. The Spot Color Library contains standard Pantone color index as default for your convenience.



Quit the program



You can terminate the program with pressing 'Exit' icon in the tool bar, or clicking 'File' menu and selecting 'Quit' menu, or pressing X button in the top-right edge of the main GUI.



Press 'Yes' button in the confirmation dialog window to terminate the program like below image.

INFORMATION



- Upgrade and Customer support
- Contact Us

Information

Upgrade and Customer support

Program Update will be automatically done via Internet for the legally authorized users when you select 'Automatic Update' option in the Setting window.

Please contact your dealer or shop you purchased the Rip software package from.

Or you can contact Valloy Inc. directly for further support.

Contact Us

Please contact us to the below contact information.

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