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# EagleRIP Offset 5

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Founder Group's IT sector is a leader in the information industry, providing comprehensive resolutions, including IT services, software, hardware, and data operation.

Beijing Founder Electronics Co., Ltd.

# Contents

- Key Features
- System Configuration
- Facts & Figures
- About EagleRIP

## Offset

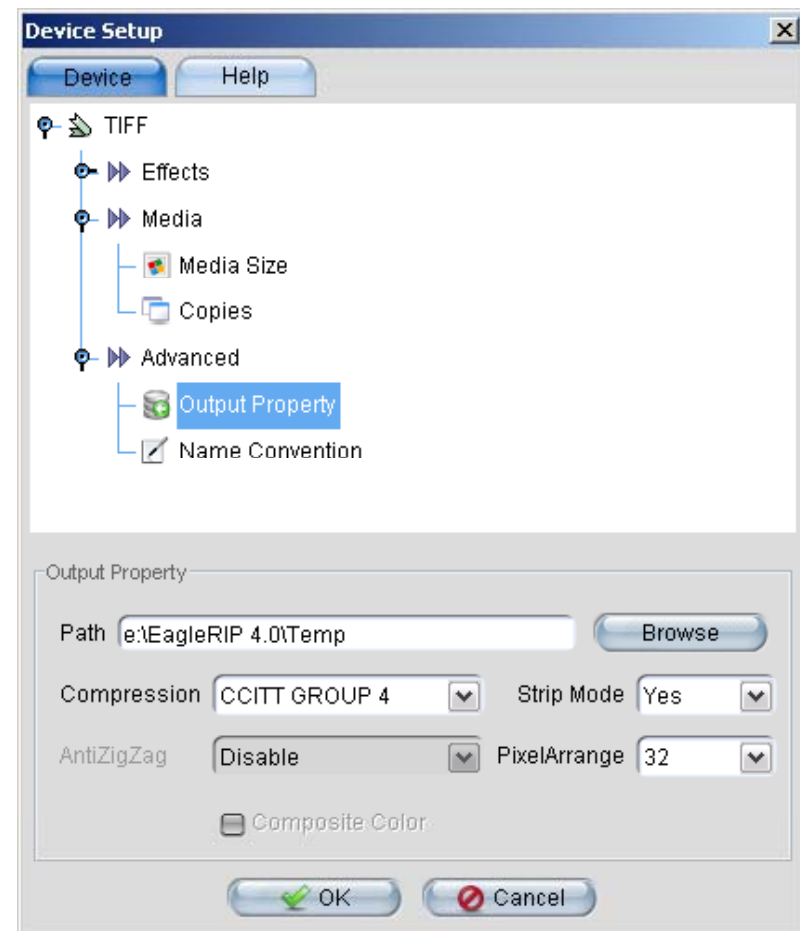
- PostScript 3 and PDF 1.7 RIP interpreter
- 1-bit/8-bit TIFF output
- Tiffflow plugin for 1-bit TIFF Post-RIP imposition
- workflow solution
- More than 10 offset printing dot shapes
  - EagleFAM (AM & FM hybrid screening)
  - EagleFM (2nd Order FM screening technology)
  - EagleAM-F (High frequency screening for newspaper)
  - EagleAGS (Gravure printing screening)

## Enhanced PDF interpretation

- Founder's latest RIP technology with the native PDF interpreter which interprets PDF file directly
- Support PDF 1.7 features including
  - transparency, embedded ICC Profiles, 128-bit encryption, JPEG2000 filter and more
- Improved compatibility of PDF file processing

## Tiff 1-bit output for ROOM solution

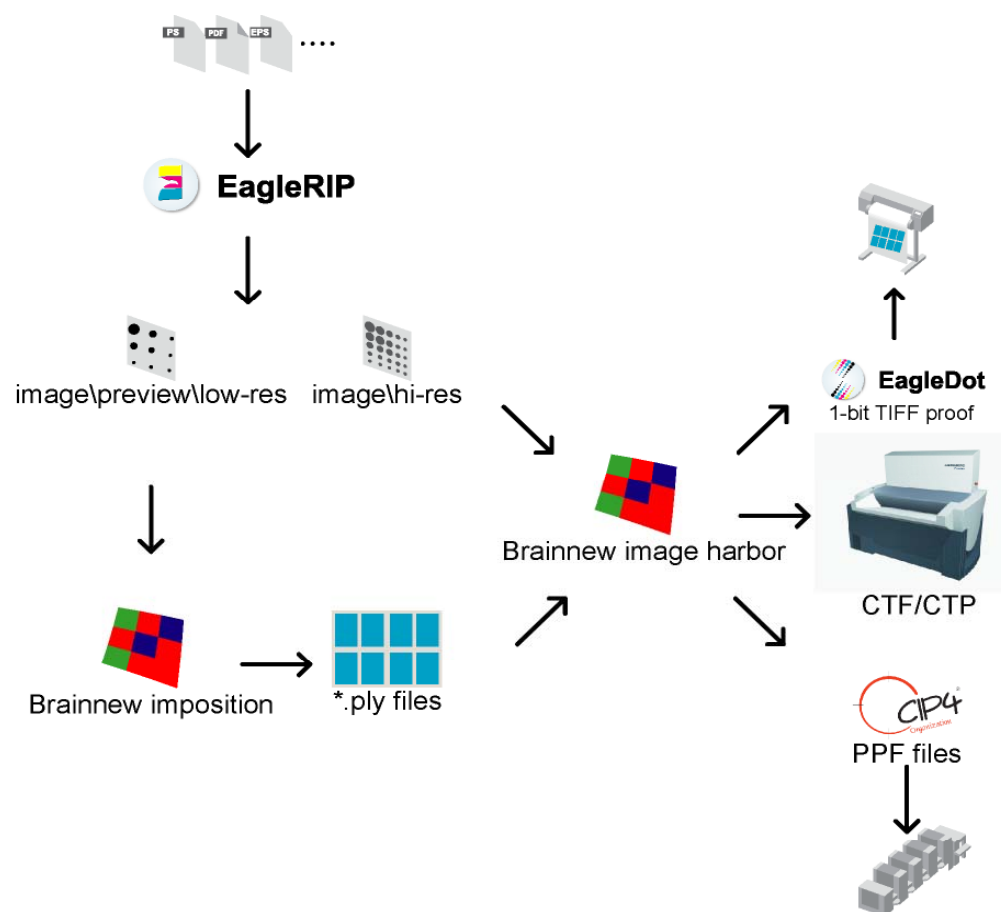
- EagleRIP provides standard 1-bit TIFF output which is accepted by most TIFF downloader software



# Key Feature

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## Tiffflow Plugin for 1 bit Tiff PostRIP imposition workflow



## EagleRIP screening samples (1)

- Offers 9 built-in dot shapes including Round, Ellipse, Rhomb, Diamond, Square, PureRound, SharpEllipse, Cross and Founder FM

Round (Euclidean Round)



Rhomb



Ellipse



## EagleRIP screening samples (2)

Diamond



Pure Round



Sharp Ellipse



Square





## EagleRIP screening samples (3)

Gravure



Founder FM (First Order)

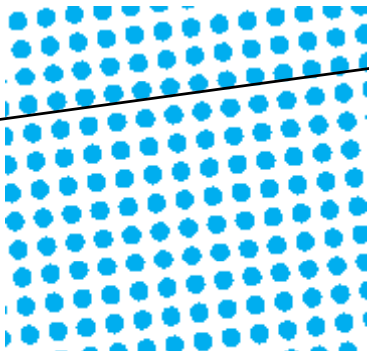


- The first 8 dot shapes are conventional Amplitude Modulated screen dot shape
- “Founder FM (First Order)” is Frequency Modulated dot shape

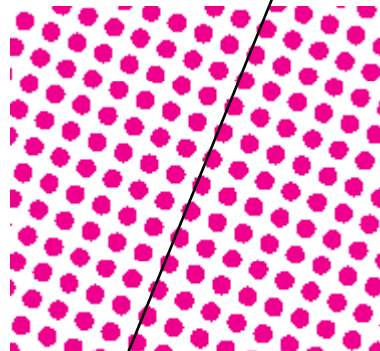
## Screening - EagleAM

- New screening angle (+/- 7.5)
  1. Irrational angle technology, completely solves the visual problem coming from rational angle technology
  2. Improves the rosette pattern created by overprinting multiple separations, gray level is exquisite and smooth
  3. Suitable for printing high frequency images on CTP (greater than 300LPI)

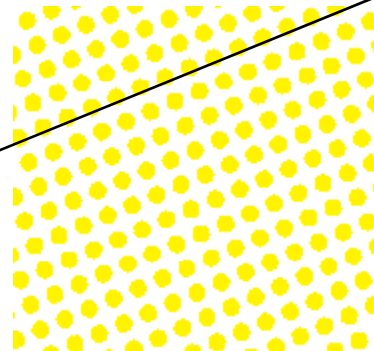
Cyan: 7.5



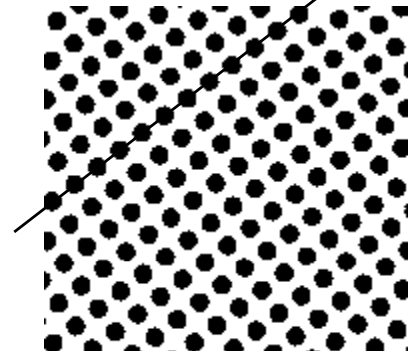
Magenta: 67.5



Yellow: 22.5



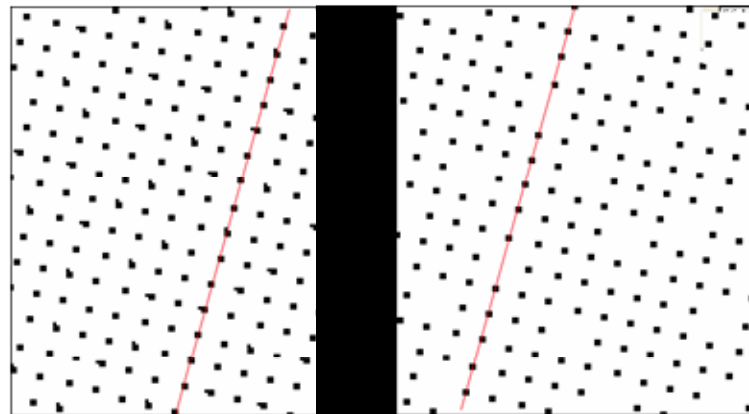
Black: 37.5



## Screening – EagleFAM add-on option (i)

- EagleFAM is AM and FM hybrid screening which is developed specifically for CTP production and represents a breakthrough in quality.
- Overcomes the weaknesses and exploit the strengths of both traditional AM and FM screening.
- EagleFAM employs Founder AM screening (7.5 degree offset) for midtones, easily achieving high quality with or above 340LPI even under low resolution without extra work on press.
- For highlights and shadows which are difficult to reproduced, EagleFAM adopts Founder FM screening, the dots align along existing Founder AM angles. This prevents FM dots from being noisy in some area and makes the dots look smooth and clean.

## Screening - EagleFAM add-on option (ii)



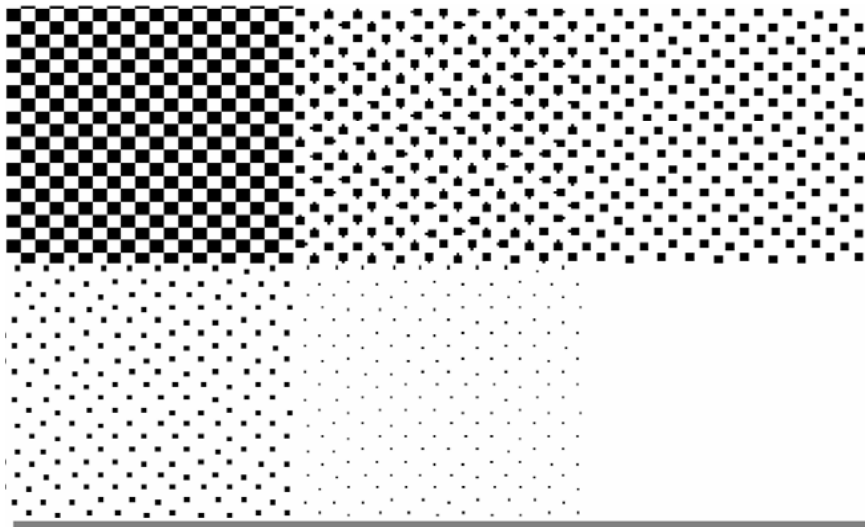
AM

FM

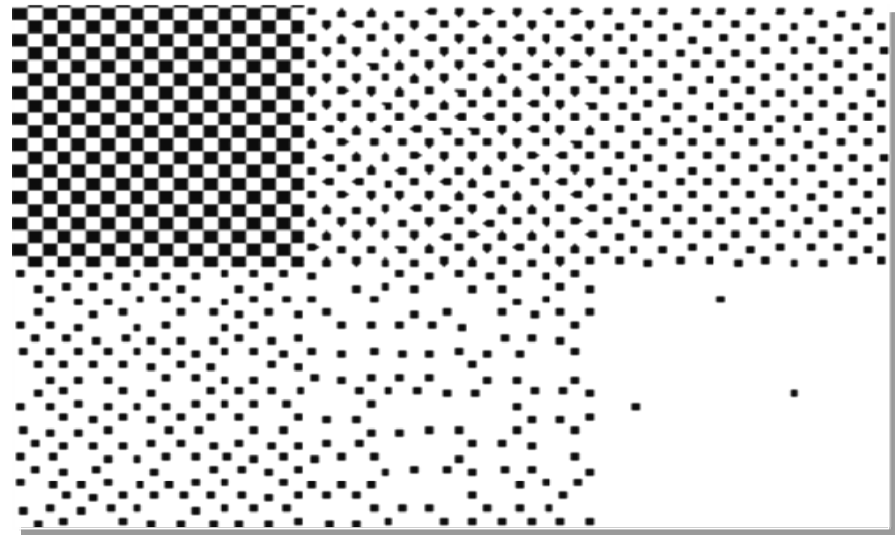
Although the FM dots at highlights or shadows appear to be random, the dots still align along the existing AM angles.

## Screening - EagleFAM add-on option (iii)

- Adjust the area of FM dots according to the smallest reproducible dot your press can deal with.
- When EagleFAM dot reaches the smallest and easiest printable dot for the press, the dots will not be smaller.



Founder AM



Founder EagleFAM

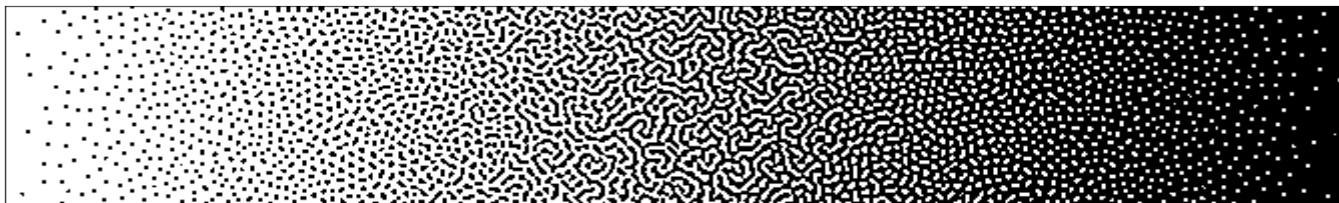
## Screening - EagleFM add-on option

- Base on green noise FM technology
- Second order FM technology
  - Uses variable dot size and variable spacing
  - Control the randomness of dots.

First order (Traditional FM screening)

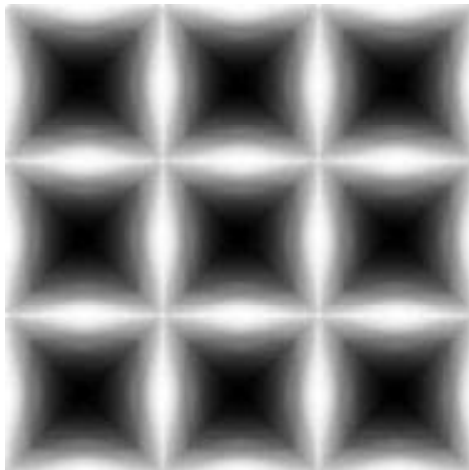


Second order (EagleFM screening)

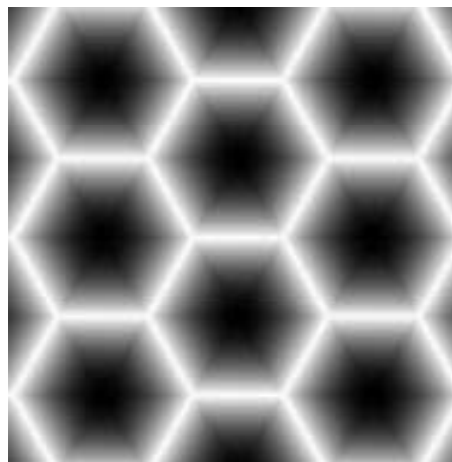


## Screening - EagleAGS add-on option (Accurate Gravure Screening)

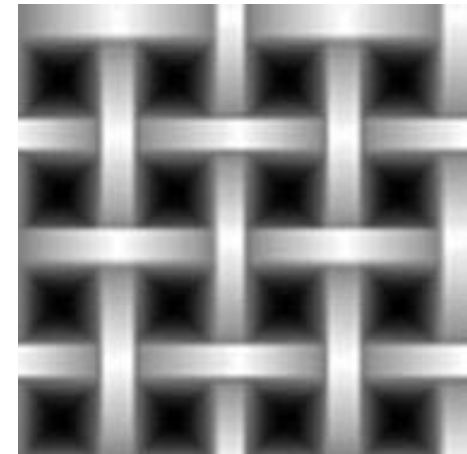
Pin Cushion



Hexagonal



T-Shape



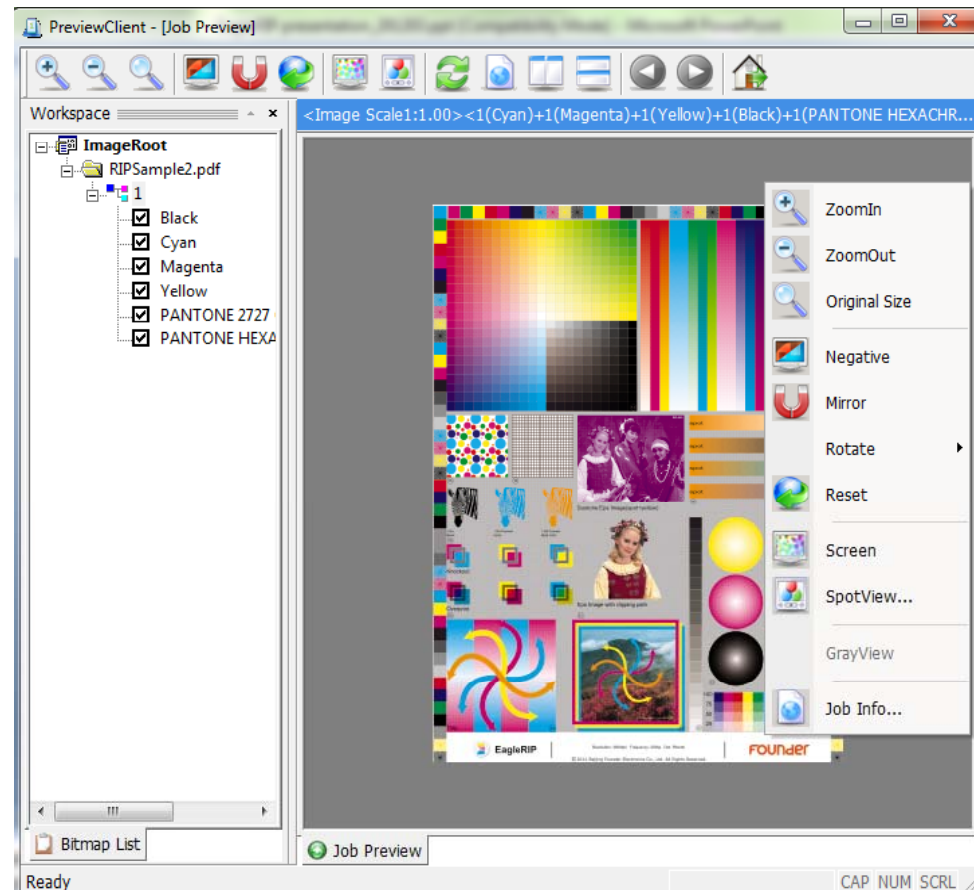


# Key Feature

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## Powerful preview

- EagleRIP redesigns the preview function and comes up with a revolutionized independent preview program
- User can preview the contents and effect for the output file on screen more conveniently
- User can open more than one preview windows





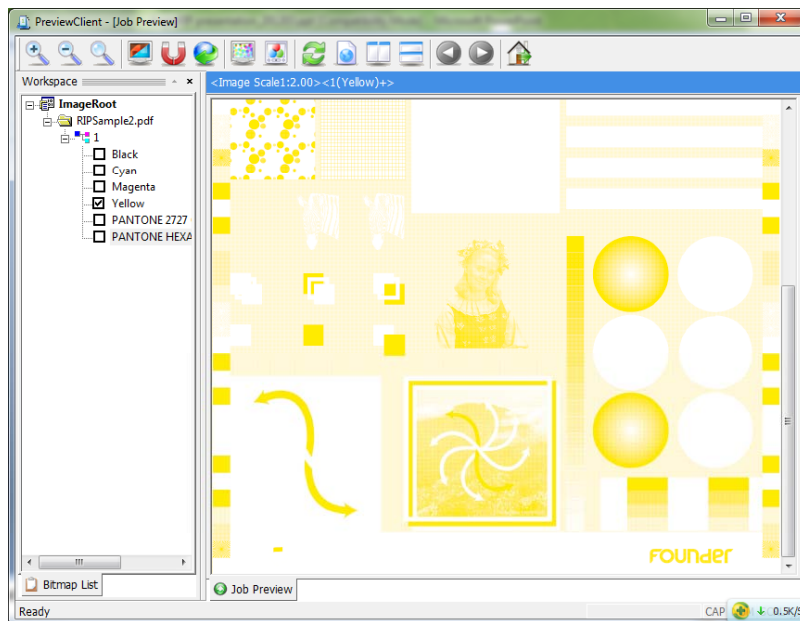
# Key Feature

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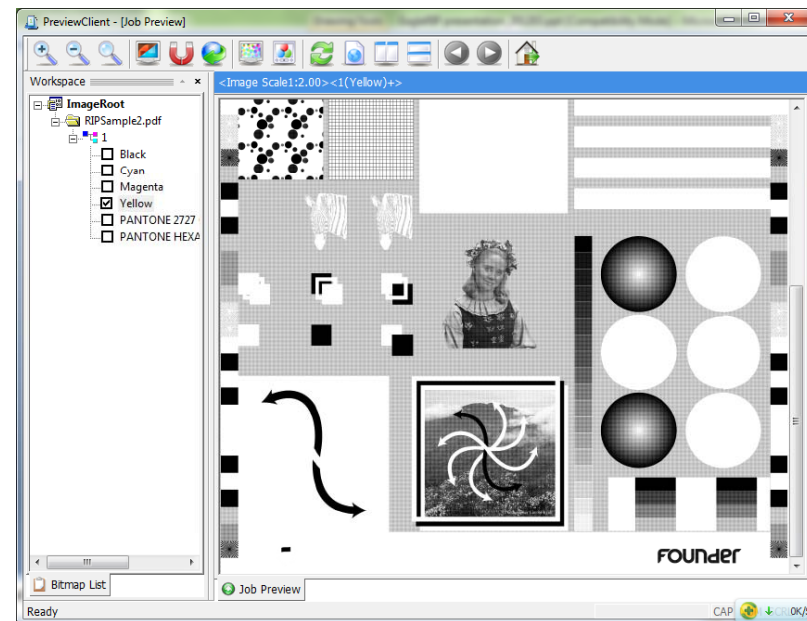
## Powerful preview

- User can view separations in their natural color to obtain a realistic impression of final output, or in black color to highlight the differences between similar separations.

Yellow color is weak



Preview Yellow separation with Black color

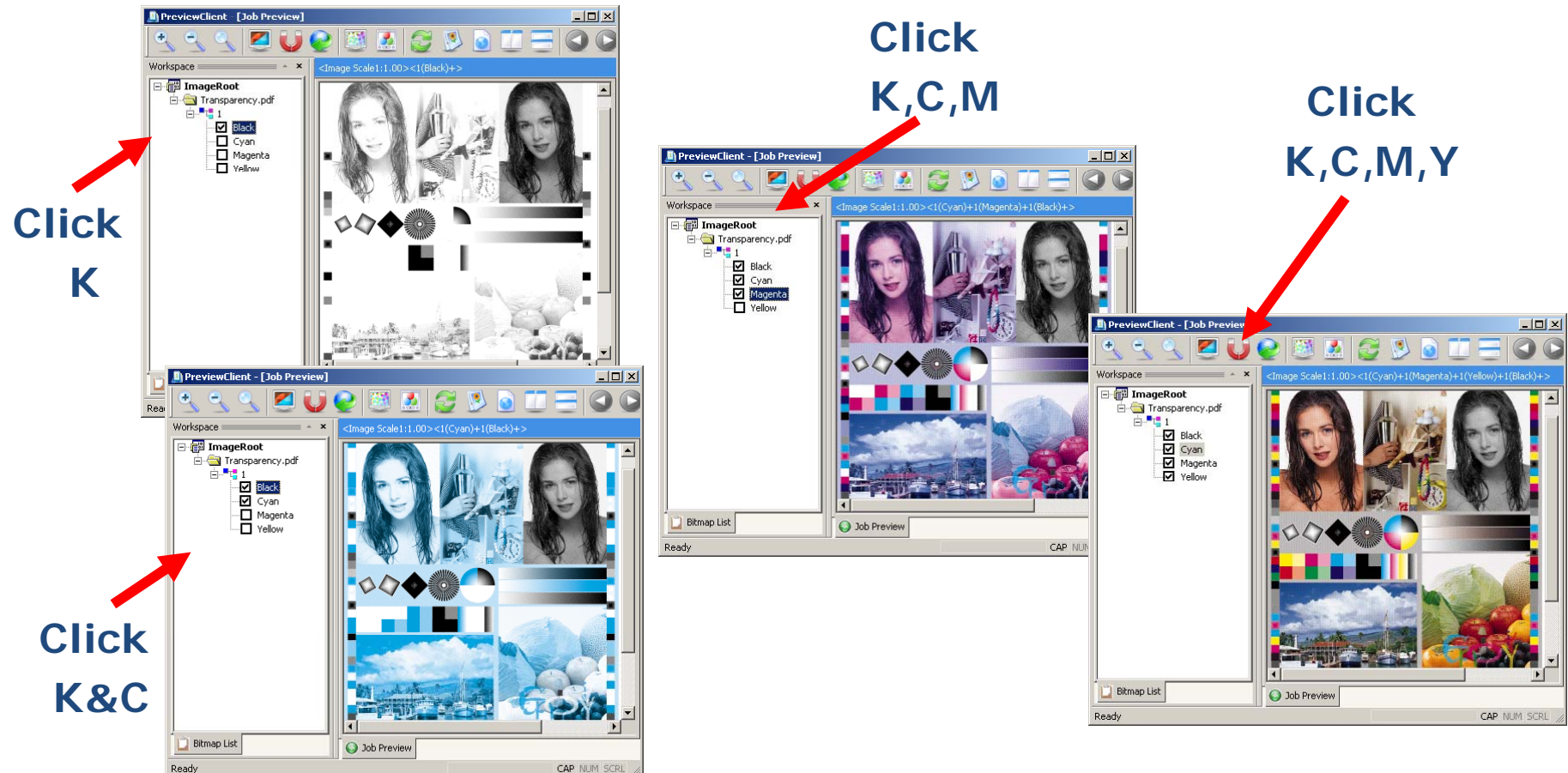


# Key Feature

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## Powerful preview

- Easy switch from separate to composite

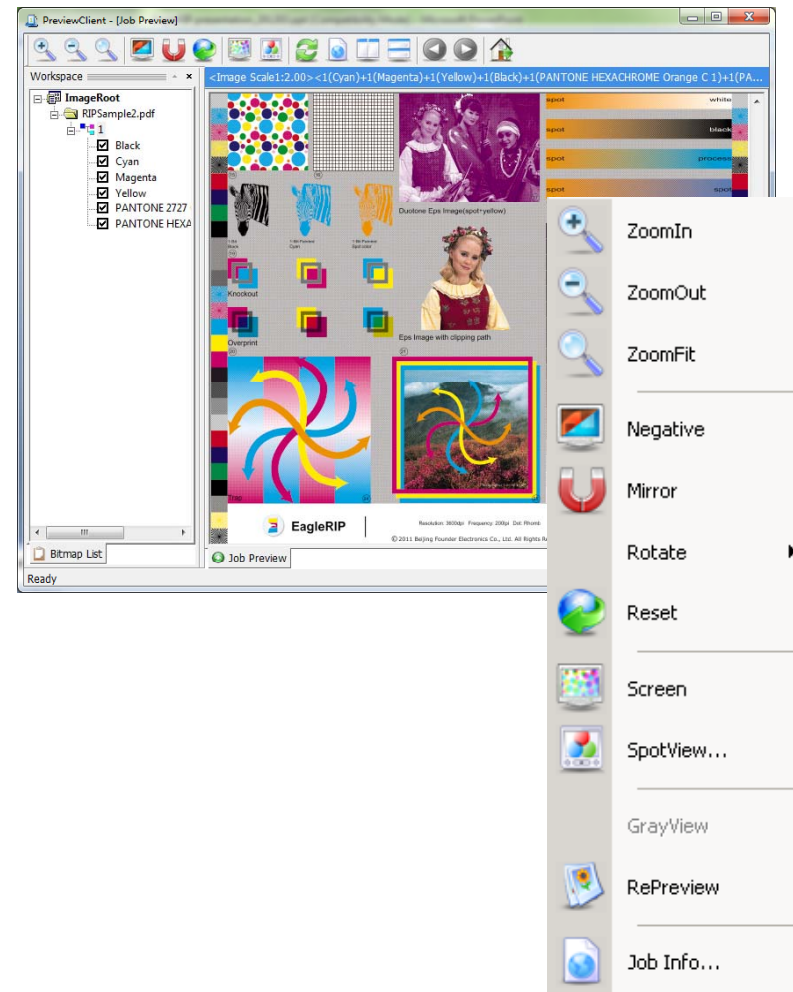


# Key Feature

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## Powerful preview

- Right click on the preview image
- Zoom Preview:
  - Zoom Out
  - Zoom In
  - Zoom Fit (fit the whole page)
- Negative and Mirror Preview
- Rotate Preview: rotating the page 90°, 180° and 270°
- Dot Preview: precise preview of bitmap dot

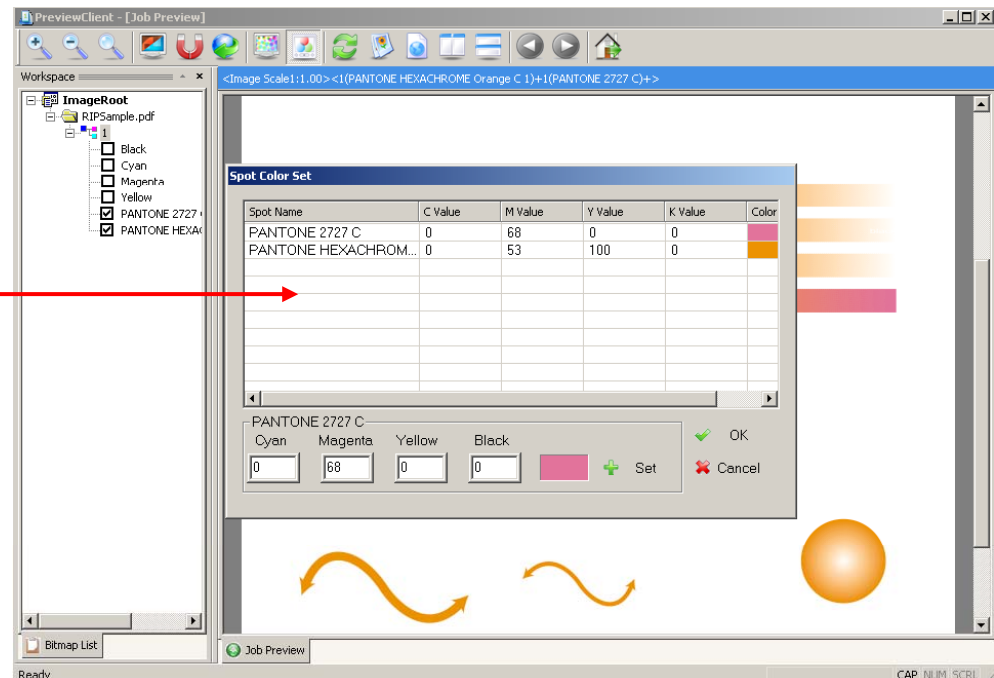


# Key Feature

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## Powerful preview

- Spot color
  - Preview the color effect of spot color
  - Simulate every spot color with process color.





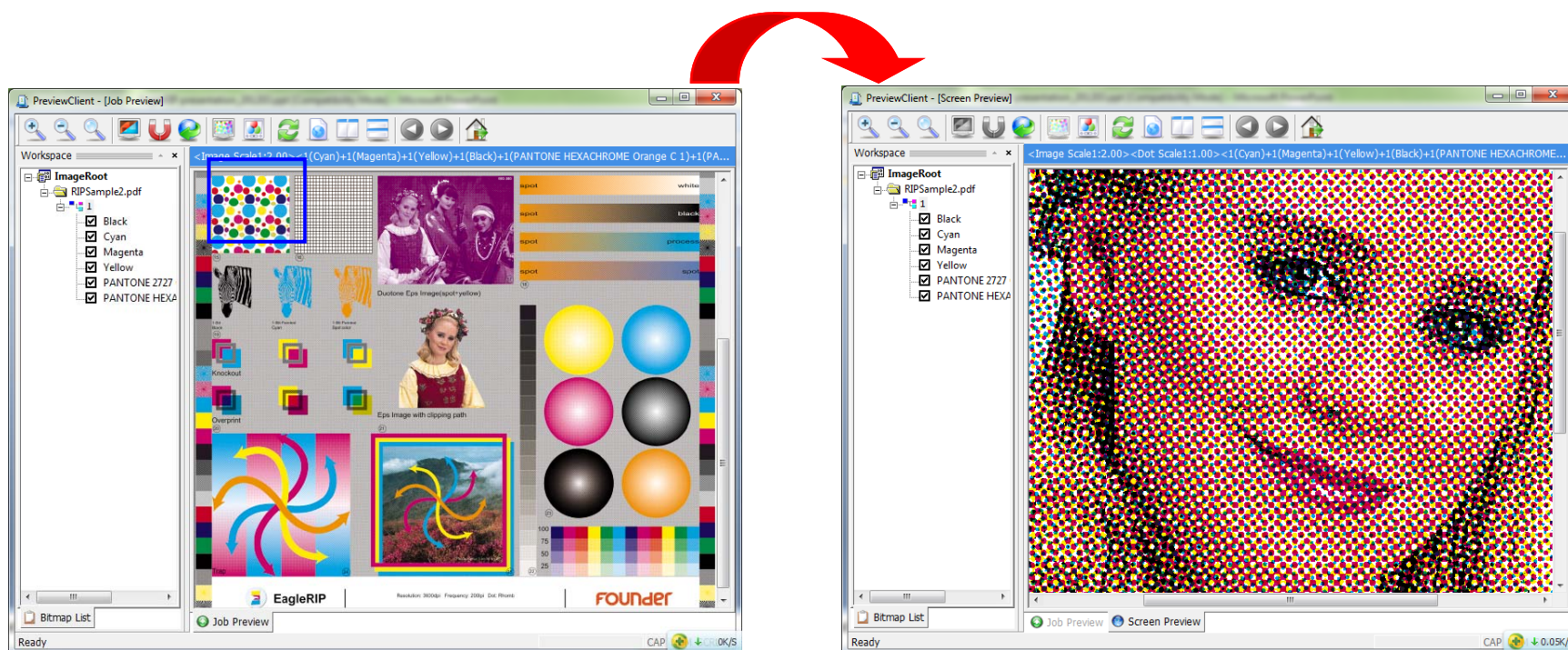
# Key Feature

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## Powerful preview

- Navigating preview

- Selectable area on the page under navigation mode to preview the dot

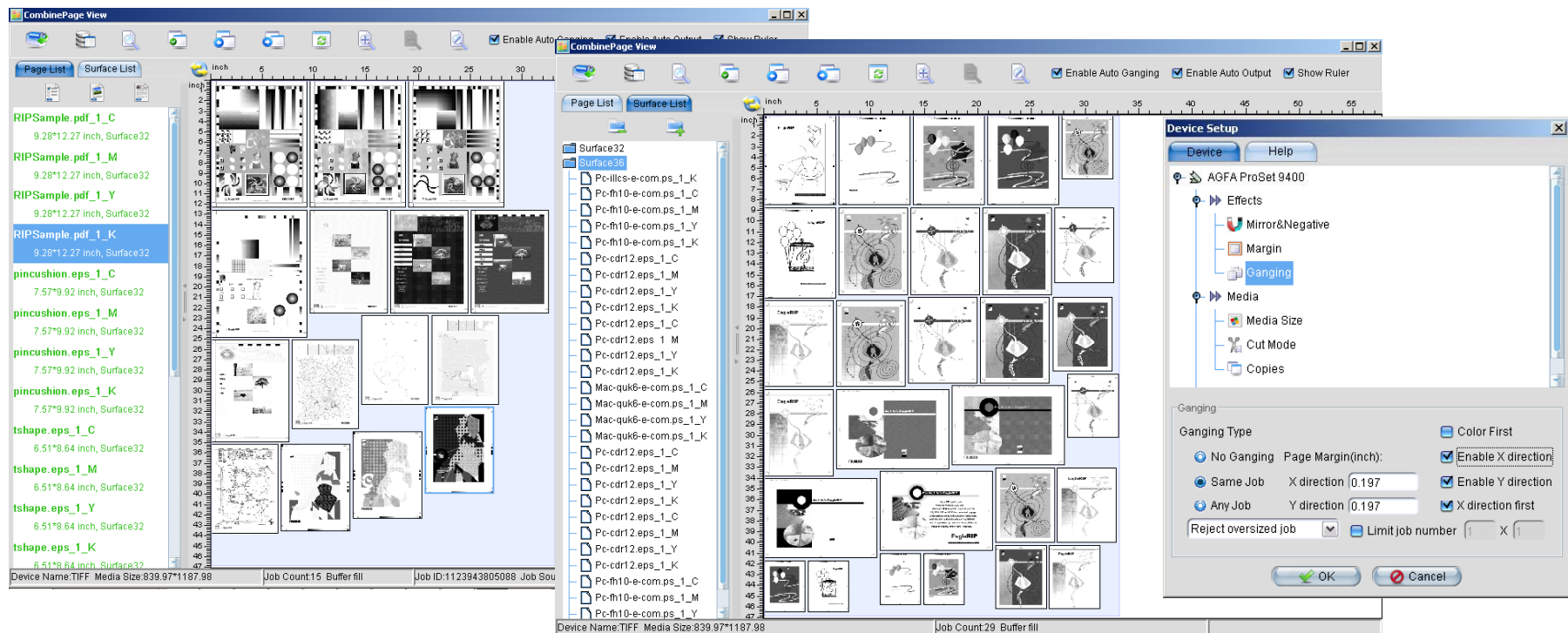


# Key Feature

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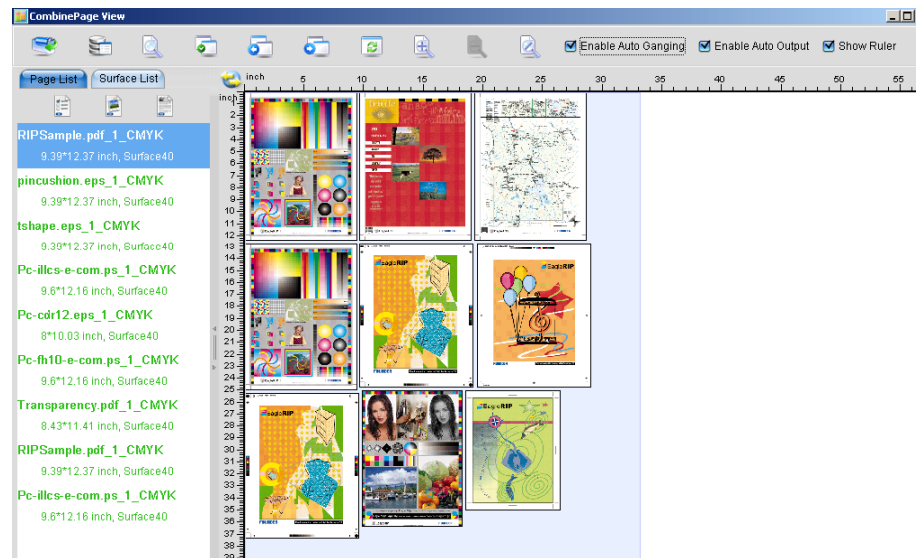
## Ganging and ganging preview –Automatic Ganging

- Automatic Ganging allows you to instruct EagleRIP to automatically compose pages onto the output media in a way that makes the most efficient use of the media.



## Ganging and ganging preview –Automatic Ganging

- Color First function: Only the subsequent separations of the same file can be composed in the same position on the surface; different file separations can't be composed in the same position. The relative positions of the different separations belonging to the same file is the same.

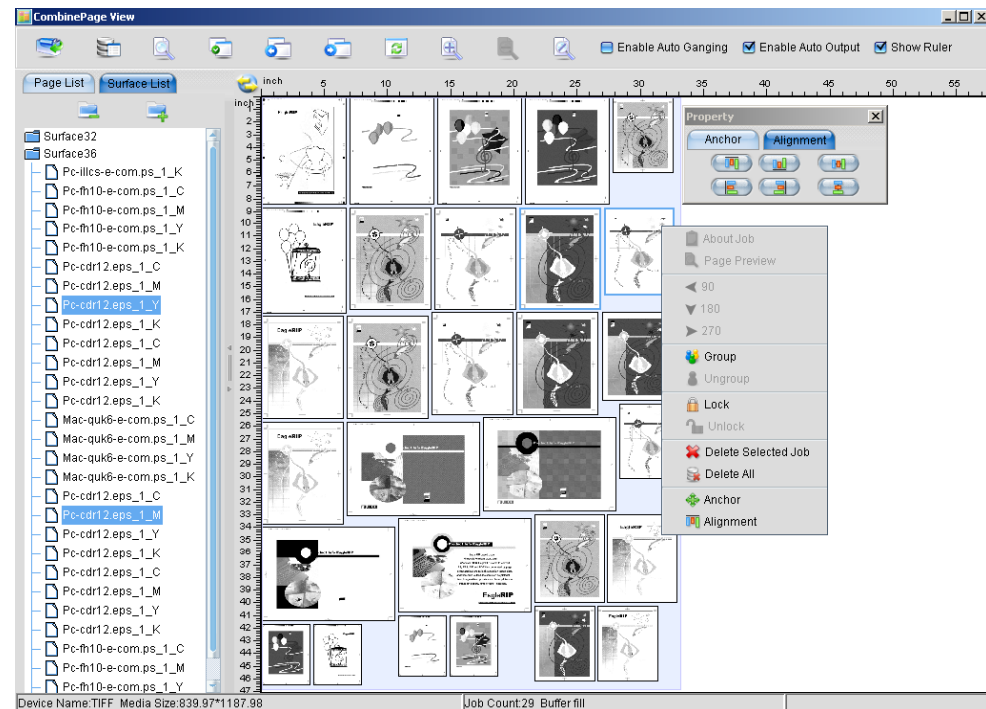


# Key Feature

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## Ganging and ganging preview –Manual Ganging

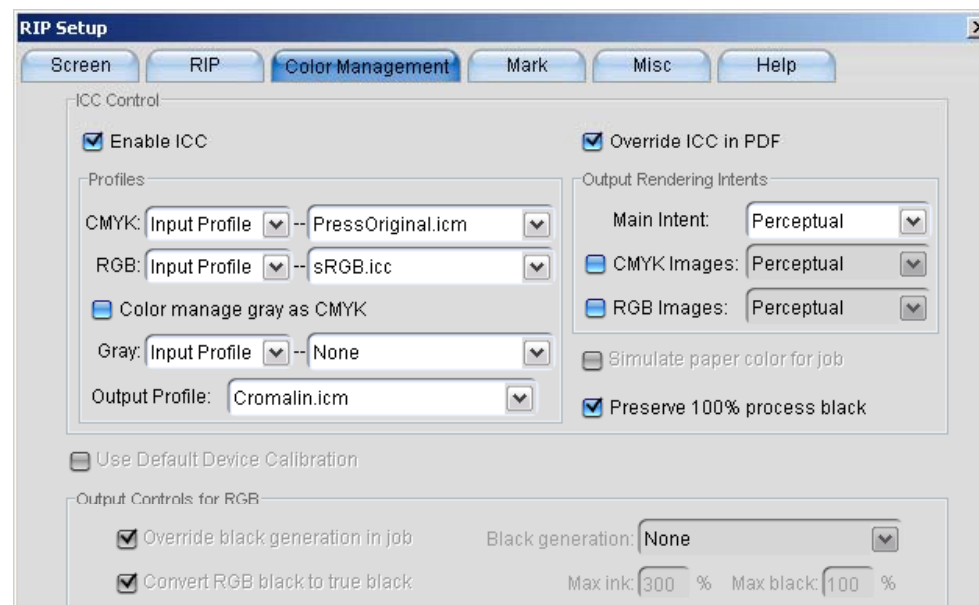
- Manual ganging is provided as a supplement to the automatic ganging, making ganging function more flexible and effective.
- Create a new surface, edit an existing surface, or manually combine pages into a surface.
- Step & Repeat
- Crop a page bitmap
- Overlap page bitmap





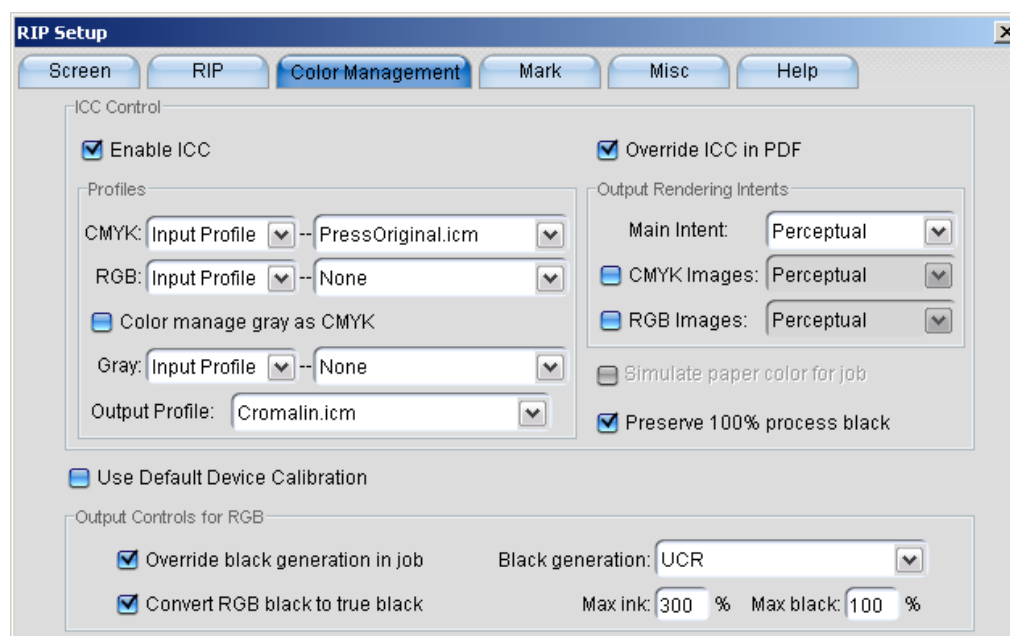
## Color Management -Enable ICC

- Enables user to specify the ICC Profile and the Rendering intent.
- Provides user with the choice to use or ignore the embedded ICC Profile in Job.



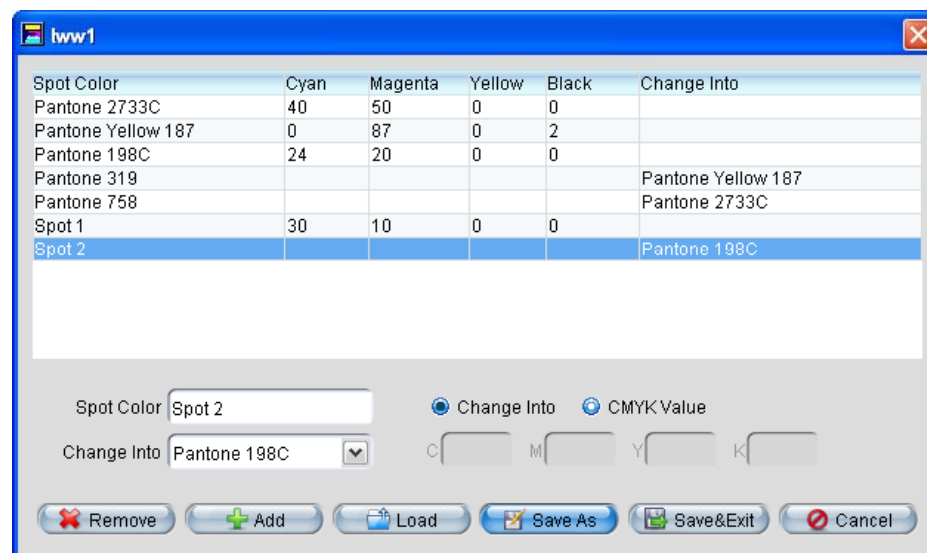
## Color Management -Control of RGB Conversion

- Use RGB ICC Profile to control the RGB conversion.
- Or specify how to convert RGB to CMYK by user.



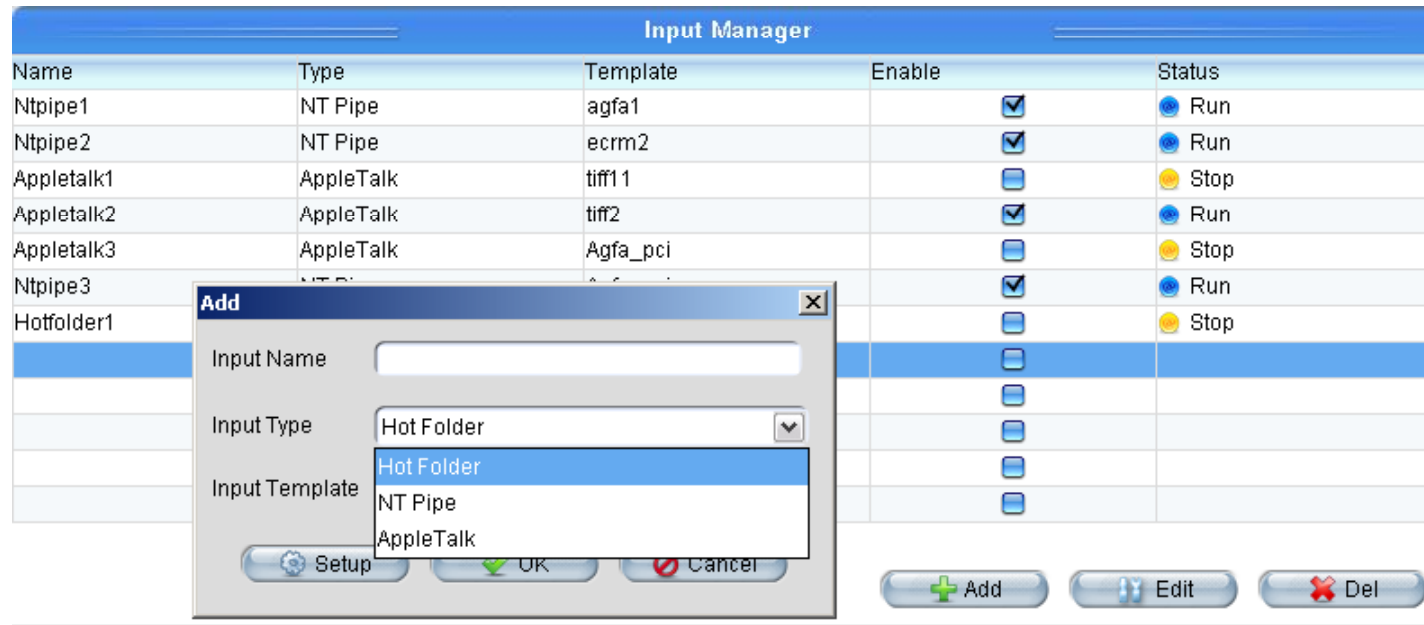
## Color Management -Spot color tools

- Combines two or more spot colors into one spot color.
- Removes specified spot colors.
- Provides Spot Color Table. User can choose to convert spot color either by using the color defined in spot color table or in a job.



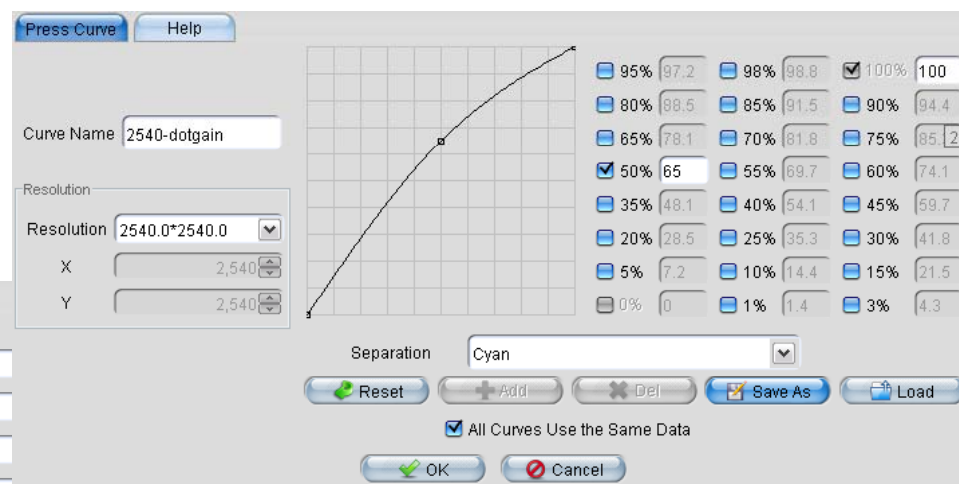
## Flexible network printing

- Hot Folder
- NT Pipe
- Apple Talk



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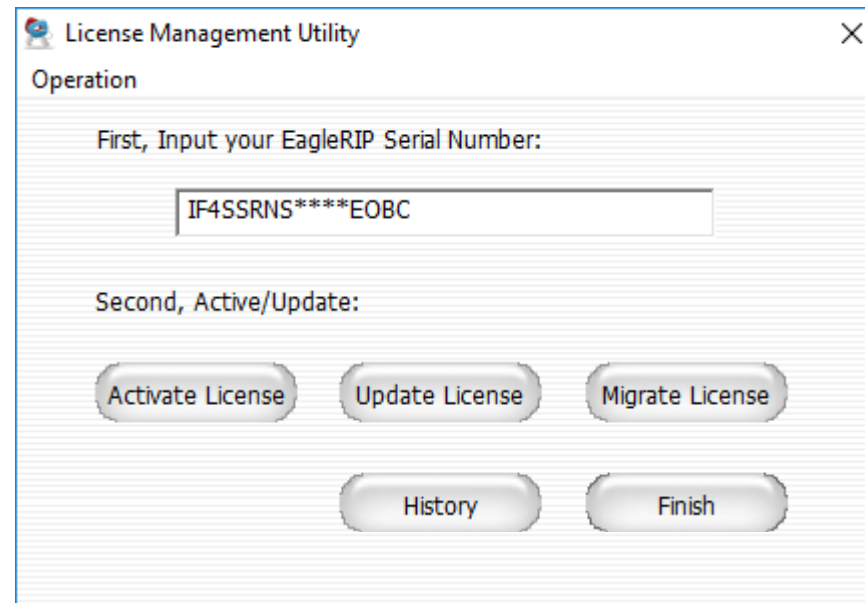
- Calibration curve  
Support to **recalibrate** an existing calibration curve.
- Dot gain curve



## Cloud licensing authorization

### Benefits:

- Safety
- Save cost
- Flexible & Effective
- Easy to use



## Recommended system configurations

- CPU: Intel i7
- RAM: 4GB or above
- HDD: 200GB free space
- OS: Windows 7/8/10, Windows Server 2012

## **Compatible with major software packages**

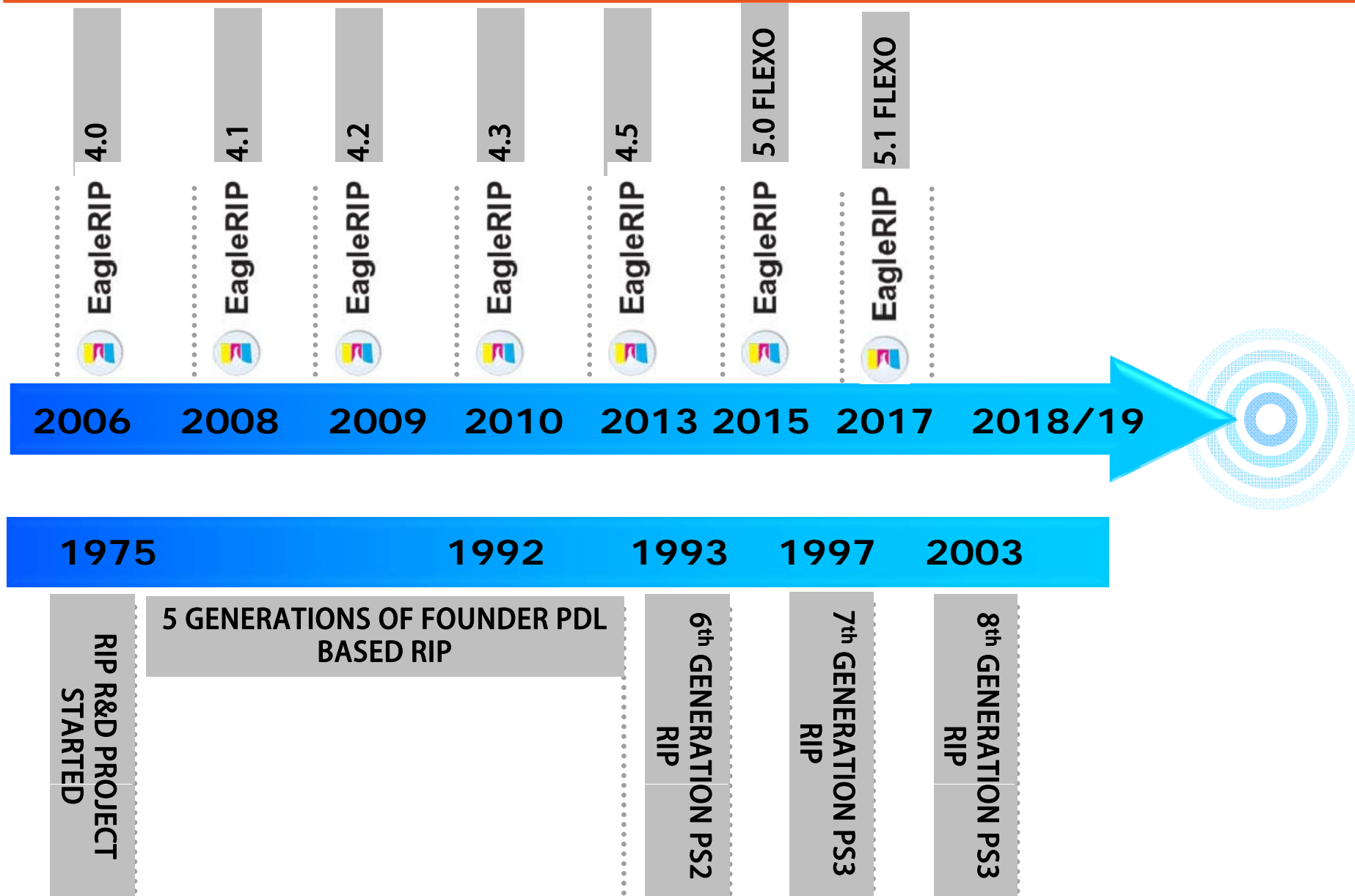
- Adobe CSx/CCx (Illustrator, Indesign, PageMaker, Photoshop etc.)
- Corel CorelDraw
- Macromedia Freehand
- Microsoft Office Suite
- QuarkXpress
- Others...



- Impressive price/performance
- 25,000+ installations globally
- Proven technology and reliable performance
- Cross-platform kernel : PC, Mac, Linux & UNIX
- Simplified localization
- SDK (Software Developer's Kit) available for OEM developers

# About EagleRIP

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[www.foundereagle.com](http://www.foundereagle.com)

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# Thanks



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