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EagleRIP Offset 5

www.foundereagle.com

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.

FOUNder SE

Contents

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

Offset

- PostScript 3 and PDF 1.7 RIP interpreter
- 1-bit/8-bit TIFF output
- Tifflow 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

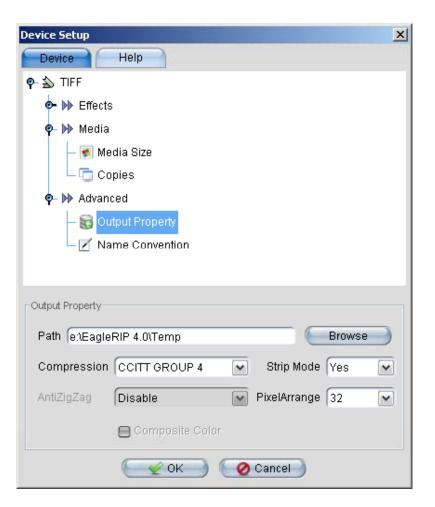
- Founder's latest RIP technology with the native PDF interpreter which interprets PDF file directly
- Support PDF 1.7 features including

 transparency, embedded ICC Profiles, 128-bit encryption, JPEG2000 filter and more
- Improved compatibility of PDF file processing

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Tiff 1-bit output for ROOM solution

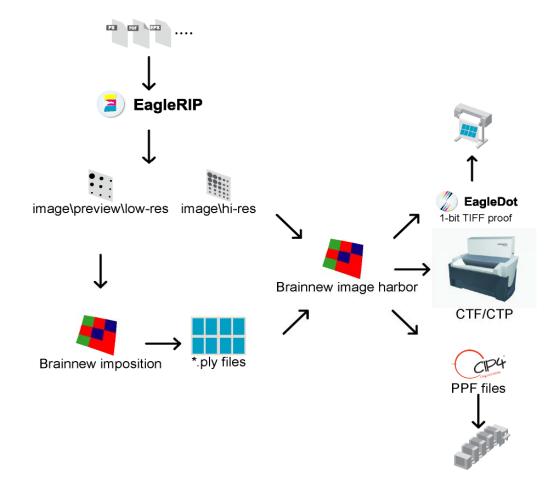
 EagleRIP provides standard 1-bit TIFF output which is accepted by most TIFF downloader software







Tifflow Plugin for 1 bit Tiff PostRIP imposition workflow



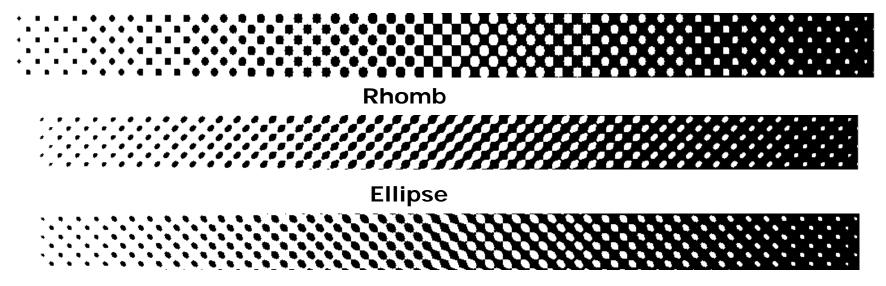




EagleRIP screening samples (1)

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

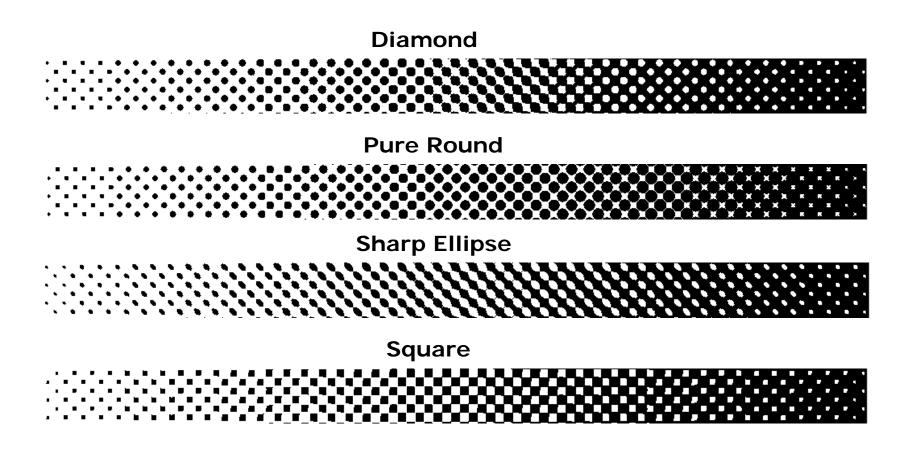
Round (Euclidean Round)







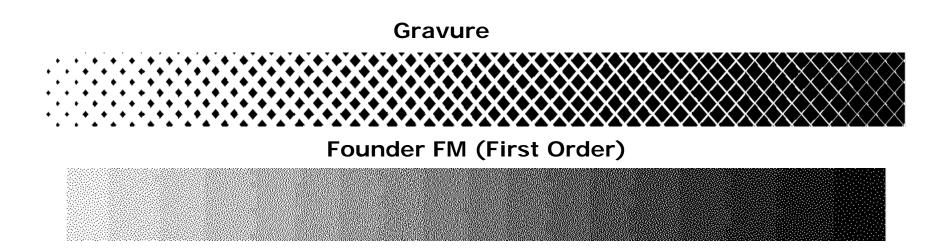
EagleRIP screening samples (2)







EagleRIP screening samples (3)

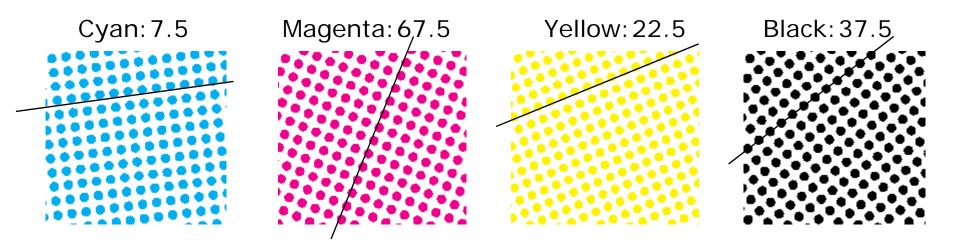


- The first 8 dot shapes are conventional Amplitude Modulated screen dot shape
- "Founder FM (First Order)" is Frequency Modulated dot shape

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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)



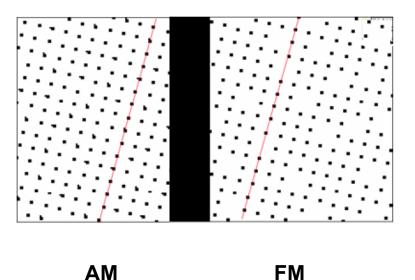
Screening – EagleFAM add-on option (i)

- 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.





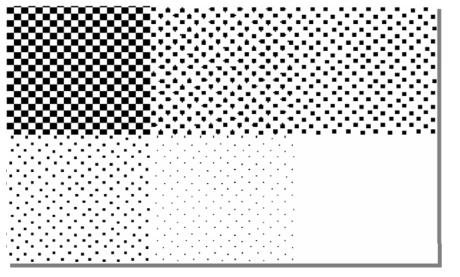
Screening - EagleFAM add-on option (ii)



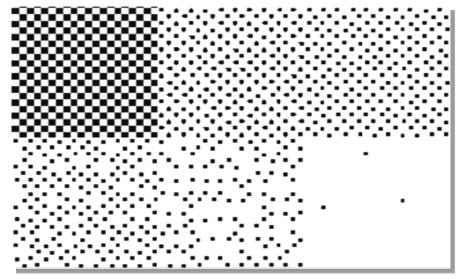
Although the FM dots at highlights or shadows appear to be random, the dots still align along the existing AM angles.

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

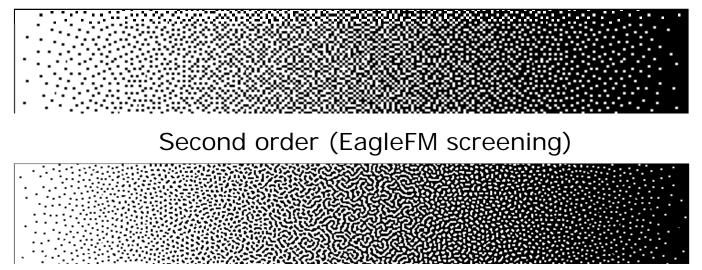


Screening - EagleFM add-on option

- Base on green noise FM technology
- Second order FM technology

 -Uses variable dot size and variable spacing
 -Control the randomicity of dots.

First order (Traditional FM screening)





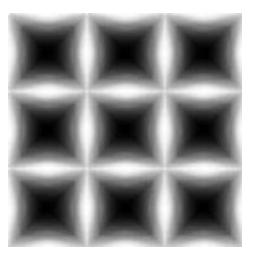
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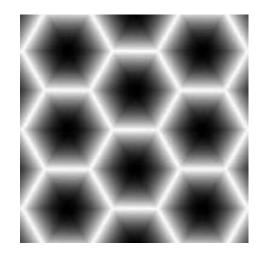
Screening - EagleAGS add-on option (Accurate Gravure Screening)

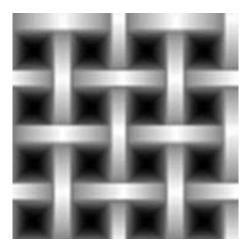
Pin Cushion

Hexagonal

T-Shape



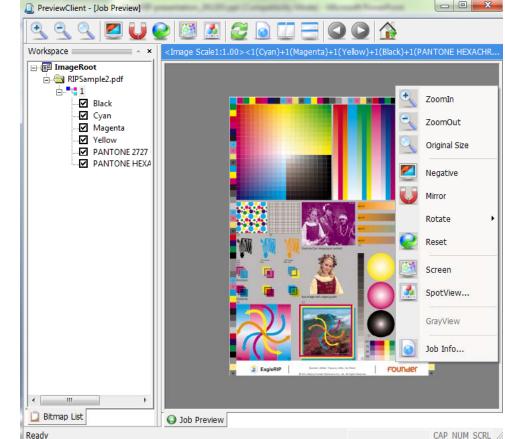




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Powerful preview

- 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



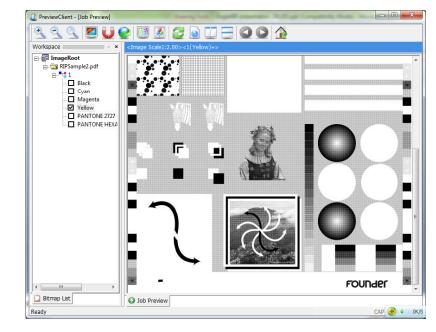


Powerful preview

 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.

PreviewClient - [Job Preview] - O -> + - Q 2 0 0 0 1 3 Workspace 🖃 🚰 ImageRoot RIPSample2.pdf ė.**•**•**1** --- Black --- Cyan Yellow PANTONE 2727 PANTONE HEXA 📋 Bitmap List O Job Preview CAP 🚷 🕹 0.5K/S Ready

Yellow color is weak



Preview Yellow separation with Black color



Powerful preview

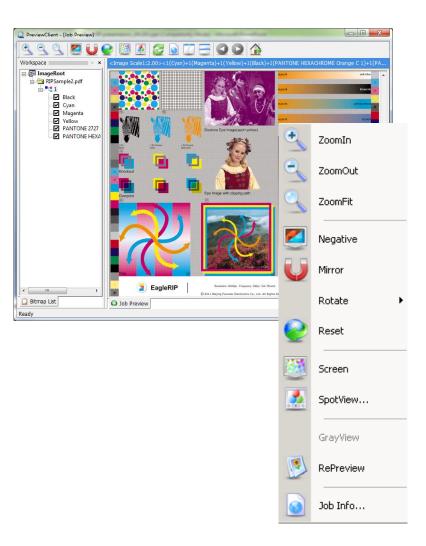
• Easy switch from separate to composite



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Powerful preview

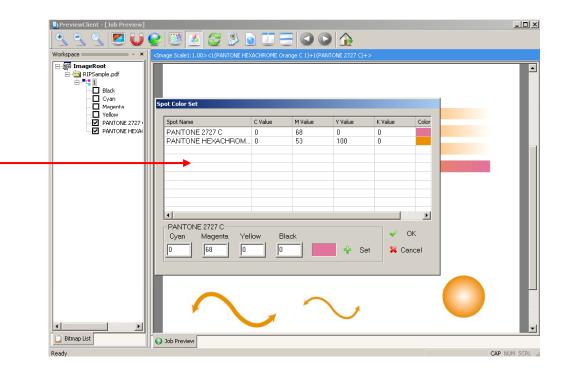
- Right click on the preview image
- Zoom Preview:
 - Zoom Out
 - ≻ Zoom In
 - > Zoom Fit (fit the whole page)
- Negative and Mirror Preview
- Rotate Preview: rotating the page 90°, 180° and 270°
- Dot Preview: precise preview of bitmap dot



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Powerful preview

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



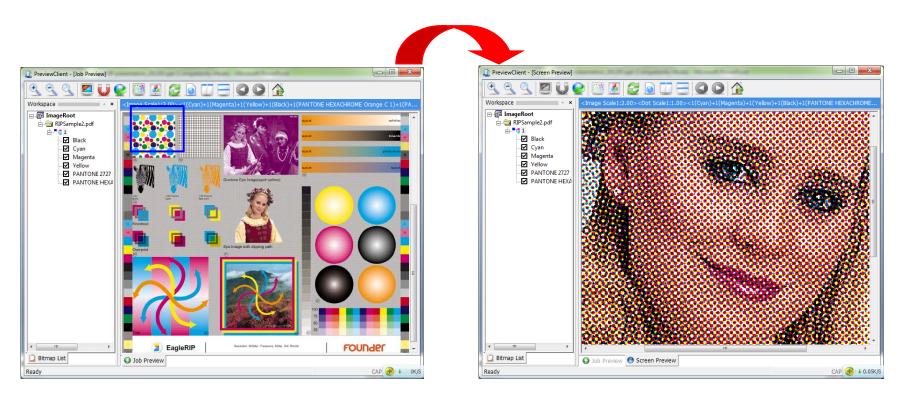




Powerful preview

Navigating preview

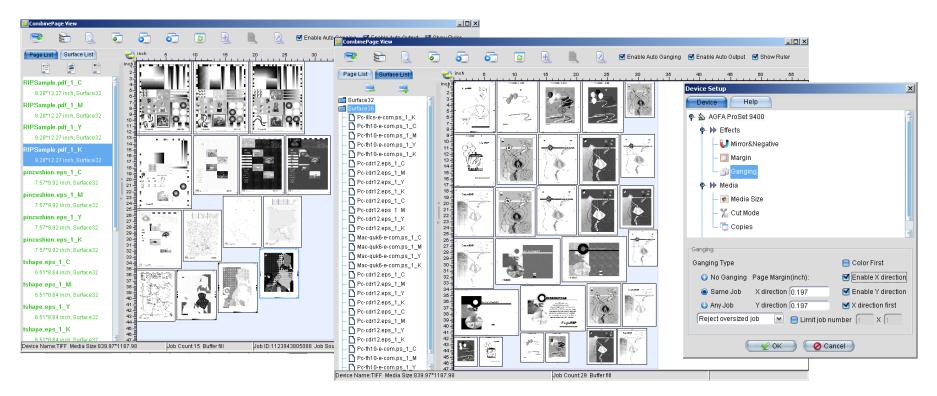
Selectable area on the page under navigation mode to preview the dot





Ganging and ganging preview –Automatic Ganging

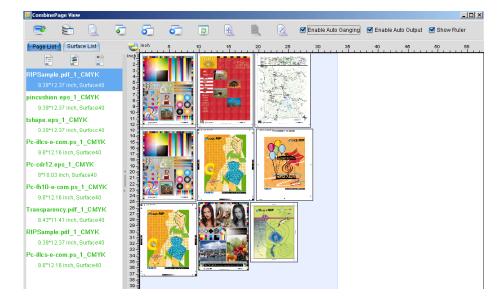
 Automatic Ganging allows you to instruct EagleRIP to automatically compose pages onto the output media in a way that makes the most efficient use of the media.





Ganging and ganging preview –Automatic Ganging

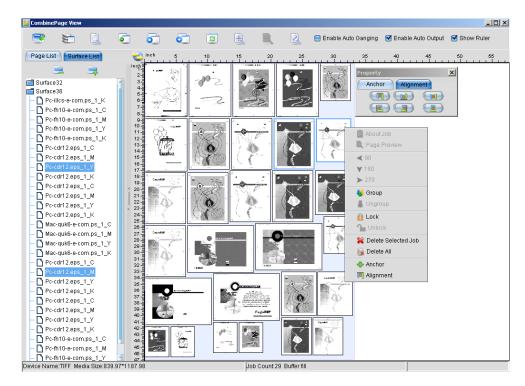
 Color First function: Only the subsequent separations of the same file can be composed in the same position on the surface; different file separations can't be composed in the same position. The relative positions of the different separations belonging to the same file is the same.





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.

Setup	
Screen RIP Color Management Mark	Misc Help
ICC Control	
🗹 Enable ICC	Soverride ICC in PDF
Profiles	Output Rendering Intents
CMYK: Input Profile 💽 PressOriginal.icm 💽	Main Intent: Perceptual 💌
RGB: Input Profile 💌 SRGB.icc	CMYK Images: Perceptual
😑 Color manage gray as CMYK	😑 RGB Images: Perceptual 💽
Gray: Input Profile 💽 None	Bimulate paper color for job
Output Profile: Cromalin.icm	✓ Preserve 100% process black
Use Default Device Calibration	
Output Controls for RGB	
Override black generation in job Black g	generation: None
Convert RGB black to true black	Max ink: 300 % Max black: 100 %





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.

RIP Setup	×
Screen RIP Color Management Mark	Misc Help
ICC Control	
🗹 Enable ICC	🗹 Override ICC in PDF
Profiles	Output Rendering Intents
CMYK: Input Profile 💌 PressOriginal.icm 💽	Main Intent: Perceptual 💌
RGB: Input Profile 💌 None	😑 CMYK Images: Perceptual 🛛 💌
😑 Color manage gray as CMYK	😑 RGB Images: 🛛 Perceptual 🛛 💌
Gray: Input Profile 💌 None 💌	🕒 Simulate paper color for job
Output Profile: Cromalin.icm	☑ Preserve 100% process black
Use Default Device Calibration	
Output Controls for RGB	
☑ Override black generation in job Black ge	neration: UCR
🗹 Convert RGB black to true black	Max ink: 300 % Max black: 100 %





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.

Spot color set	UD				Spot Color Pantone 2733C	Cyan 40	Magenta 50	Yellow O	Black O	Change Into	
					Pantone Yellow 187	0	87	0	2		_
-Spot color setup					Pantone 198C	24	20	0	0	D 1 1/1 103	
Separation	Dot Shape	Frequency	Angle	Output	Pantone 319 Pantone 758		10			Pantone Yellow 187 Pantone 2733C	
Default Spot	Round	175.0	15.0	CMYK	Spot 1	30	10	0	0	Deuteurs 4000	_
Pantone 117	Round	175.0	15.0	Remove	Spot 2					Pantone 198C	
Pantone 356	Round	175.0	15.0	Separation							
Spot color nam	e Pantone 356	6			Spot Color Spot 2		= 0	Change Ir	nto 🔘 C	MYK Value	
Add (Cancel)				Change Into Pantone 198C C M Y K Remove Add C Load Save As C Save & Cancel						3	



Flexible network printing

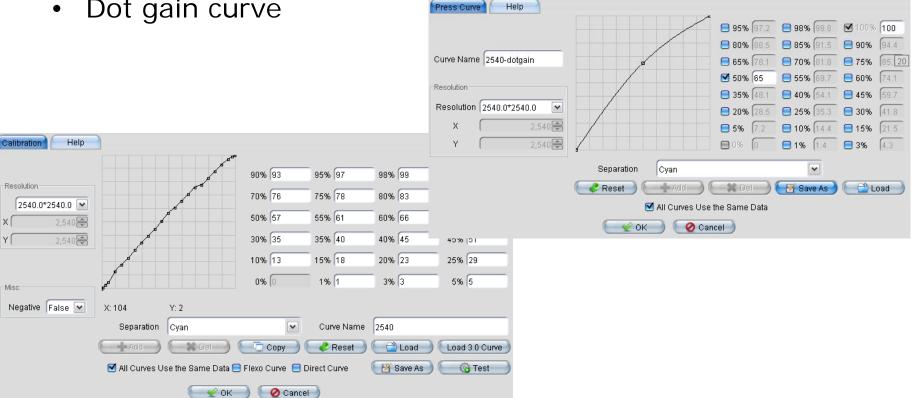
- Hot Folder
- NT Pipe
- Apple Talk

			Input Mar	ager				
Name	Туре		Template		Enable	Status		
Ntpipe1	NT P	ipe	agfa1		✓	🥑 Run		
Ntpipe2 NT Pij		ipe	e ecrm2		✓	🥑 Run	🥶 Run	
Appletalk1 Appletalk1		Talk tiff11				🥑 Stop	🥶 Stop	
Appletalk2 Ap		eTalk	tiff2			🥶 Run	🥶 Run	
Appletalk3 Apple		Talk	Agfa_pci			🥑 Stop		
Ntpipe3	Add			×		💌 Run		
Hotfolder1	Auu					🥑 Stop		
	Input Name				8			
	Input Type	Hot Folder		~				
		Hot Folder						
	Input Templati	NT Pipe						
	🥥 Seti	AppleTalk	JK 🛛 🛛 🖉 Cance		Add 🖉	🔢 Edit	🛛 🕌 Del	

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Calibration Tools

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







Cloud licensing authorization

Benefits:

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

😤 License Management Ut	ility		\times				
Operation							
First, Input your EagleRIP Serial Number:							
IF4SSRNS**	**EOBC						
Second, Active/Update:							
Activate License	Update License	Migrate License					
	History	(Finish)					





Recommended system configurations

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

Compatible



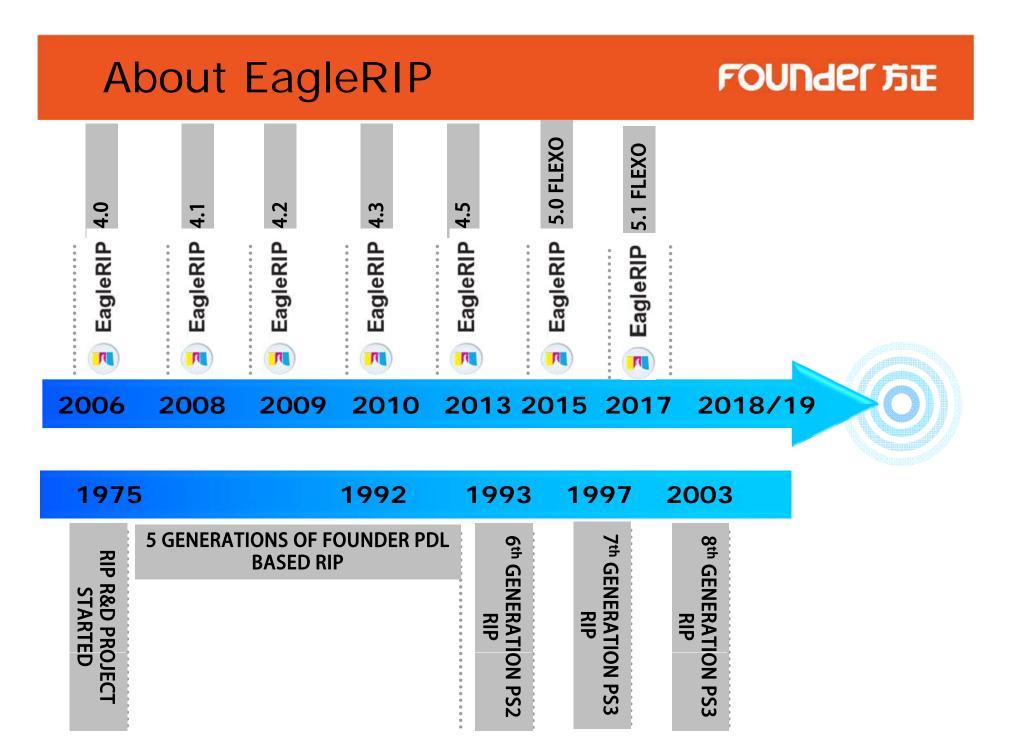
Compatible with major software packages

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

Facts and Figures



- 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



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Beijing Founder Electronics Co., Ltd.

Thanks

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