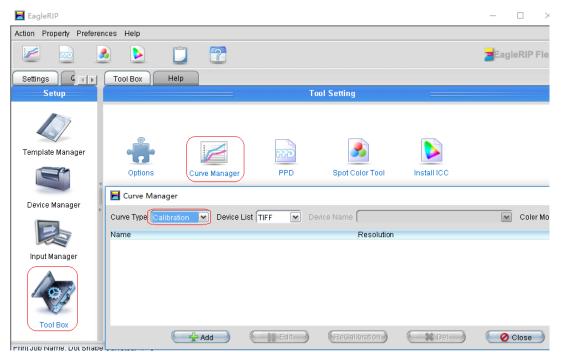


## How to edit curves in EagleRIP Flexo

For letterpress printing, sometimes customer only needs compensation on the smallest dots, such as increasing 0.4% to 3%, the curve edition is as following:

Select Calibration from Curve Type options:



Click Add button to create a new curve, input the curve name and select the right resolution; check the boxes of All Curves Use the Same Data and Flexo Curve; input 0.4 on left blank area, and 3 after it, press Enter to save the group of data.

Edit								×
Calibration Help								
			0	0	$\bigcap$	(	$\bigcap$	$\overline{}$
Resolution			0.4	3	$\bigcap$		$\bigcap$	$\overline{}$
			100	100	$\bigcap$		(	
5080.0*5080.0 ▼ X 5,080€				$\overline{}$			(	
Y 5,080			$\left( \begin{array}{c} \\ \end{array} \right)$		$\bigcap$			
T 5,080			$\overline{}$					
			$\overline{}$					
Misc			$\overline{}$		$\overline{}$			
Negative False 💌	X: 87.0	Y: 99.5						
	Separation	Cyan		💌 Cu	rve Name	5080-150-0	.4-3	
	Add 🔶	C 💥 Del 🔵	🗖 Сору		Reset	Load		1 3.0 Curve
	🗹 All Curves Use the Same Data 🗹 Flexo Curve 🗹 Direct Curve 🛛 🔡 Save As 🕽 🦳 🚳 Test							👌 Test 🌙
Cancel								

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And then use this curve while processing jobs by selecting it from Calibration Curve options, as following:

RIP Setup				×
Screen	Color Ma	nagement Mark	Misc	Help
Resolution 5080.0*5	080.0		Color Mode	СМҮК 💌 КСМҮ 💌
X 5	,080决 Y	5,080	Pixel Bits	Halftone 💌
✓ Override frequence		erride dot shape in job	Halftone Levels	256
_			Zone Screen First	
🗹 Override angles ir	n Jobi 🗹 Pre	cision Screening		
📃 Miracle Cell				
Miracle Cell				
Size(pixel) 0 D	ensity(%) O	End Value(%) 0	Type Single	*
Dot Size				
Shadows dot size(um)	0 Hig	phlights dot size(um) 0		
Separation Setup				
Output	Separation	Dot Shape	Frequency	Angle
	Cyan	FlexoRound 1	150.0	82.5
	Magenta	FlexoRound 1	150.0	52.5
	Yellow	FlexoRound 1	150.0	7.5
	Black	FlexoRound 1	150.0	22.5
Spot Color	Custom			Edit Setup
Calibration Curve	5080-150-0.4-3			Preview
Intended Press Curve	Default			Preview
Actual Press Curve	Default			Preview
	(	😪 ок 🔪 💽	Cancel	

For flexo printing or letterpress which needs plate calibration curve, please make the curve as following steps:

1. Select Press Curve from Curve Type options on Curve Manager:

Action Property Preferences Help			
📈 🔤 🗕 📐			
Settings Queues	Tool Box Help		
Setup		Tool Setting	
Template Manager	Options Curve Manager FPD	Spot Color Tool Install ICC	
	E Curve Manager		×
During Manager			
Device Manager	Curve Type Press Curve V Device List TIFF		
25	Name	Resolution	
Input Manager			
Tool Box			
TOOLBOX	Add Call Edit	(Recalibration)	Olose
Dot Frequency: 150 Dot Angle: 82.5 52.5 7.5 22.5 Page Size: 210.08 * 138.56 mm Med	lia Size: 1981.2 * 1981.2 mm		
System startup successfully		Temp disk space:195733M	B Image disk space:195733MB

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Click Add button to create a new curve. If the dots on plate were shrank while the plate was washed in machine, such as 50% became into 40%, so the dot size was shrank by (50-40) /50 = 20%. In order to keep 50% dot on plate, the size of 50% before washed should be 50/(1-20%)=62.5%

and now we input 62.5 on the blank area of 50% as following:

Add				×				
Press Curve Help								
		95% 96.8	98% 98.7	<b>⊠</b> 100% <b>100</b>				
		80% 87.1	85% 90.4	90% 93.7				
Curve Name 5080_PlateC_50-40	E	<b>65%</b> 75.9	<b>= 70%</b> (79.9	<b>= 75%</b> 83.5				
		☑ 50% 62.5	<b>55%</b> 67.3	60% 71.8				
Resolution		<b>= 35%</b> 45.9	<b>= 40%</b> 51.8	<b>= 45%</b> 57.3				
Resolution 5080.0*5080.0		20% 27.1	25% 33.5	30% (39.9				
X 5,080		<b>= 5%</b> 6.8	<b>= 10%</b> 13.7	<b>= 15%</b> 20.4				
Y 5,080		0% 0	<b>= 1%</b> 1.3	<b>3%</b> (4.1				
Separation Cyan								
😪 Reset 🛛 🛑 Add 🖉 🧮 Dei 🖉 Save As 🖉 🖆 Load								
☑ All Curves Use the Same Data								
Cancel								

3. Then select this curve in Intended Press Curve options while processing jobs, as following:

RIP Setup							×
Screen RIP	Color Mana	gement Mark	Mis	:c   +	lelp		
Resolution 5080.0*5	080.0		Color Mod	e	СМУК	KC	MY 💌
X 5	,080 🕀 Y 🦲	5,080	Pixel Bits		Halfto	ne	~
🗹 Override frequenc	y in job 🗹 Overri	de dot shape in job 📕	Halftone L	evels	256		
🗹 Override angles ir	n job 🗹 Precis	sion Screening	📃 Zone S	Creen First			
🗹 Miracle Cell							
Miracle Cell			_		_		
Size(pixel) 3 D	ensity(%) 10	End Value(%) 80	Туре	Gradient	~		
Dot Size			_				
Shadows dot size(um)	U Highli	ghts dot size(um) 0					
Separation Setup							
Output	Separation	Dot Shape		Frequency		Angle	
	Cyan	FlexoRound Balar		150.0		67.5	
	Magenta	FlexoRound Balar		150.0		37.5	
	Yellow	FlexoRound Balar		150.0		82.5	
	Black	FlexoRound Balar	nce 2	150.0		7.5	
Spot Color	Custom					Edit	Setup
Calibration Curve	Default					Previe	
ntended Press Curve	5080_PlateC_50-4	10				Previe	W
Actual Press Curve	Default				<b>~</b> (	Previe	w )
		🖌 OK 🕘 🌔 🖉	Cancel				

For dot gain while printing on press machine, if 50% on plate and its result on printing material is 70% after printing, so input 70 on the blank area of 50%, as following:

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EagleRIP				
Action Property Preferences Help				
Settings Queues	Tool Box Help			
Setup	📕 Curve Manager			
	Curve Type Press Cur	/e 🔽 Device List TIFF 💌	Device Name	
	Name		Resolution	
	Plate_33.4%		5080.0x5080.0	
Template Manager	Add			×
	Press Curve Help		95% 97.9	<b>3% (</b> 99.1 🗹 100% <b>100</b>
Device Manager	Curve Name Press Dot Gain_40%	~		5% 93.7 😑 90% 95.9 0% 85.8 😑 75% 88.7
	Resolution			5% 74.7 <b>= 60%</b> 78.8 D% 58.8 <b>= 45%</b> 64.7
Input Manager	Resolution 5080.0*5080.0			5% 38.7 📃 30% 45.8
	X 5,080 🕀		5% 7.9 目 1	0% 15.9 😑 15% 23.7
	Y 5,080		0% 0 🗐 1	% 1.5 📑 3% 4.7
AT .		Separation Cyan		
Tool Box		Reset Add	) 🗲 🗱 Del 🛁 ) 💽	Save As ) ( 2 Load )
		All Curves U	Ise the Same Data	
		🦳 🖉 ок —) [ 🙋 о	Dantel	
End mile, 2010/12/07 10.33.10				

And then select this dot gain curve from Actual Press Curve options:

RIP Setup						>	<
Screen RIP	Color Man	agement Mark	Misc	Help			
Resolution 5080.0*5	080.0	~	Color Mode	CMY	< 💌 (	KCMY	-
X 5	,080 🖨 Y 🦳	5,080	Pixel Bits	Halft	one	[	~
🗹 Override frequenc	ay in job 🗹 Over	ride dot shape in job	Halftone Levels	256			_
🗹 Override angles i	n job 🗹 Prec	ision Screening	📃 Zone Screen Firs	t			
😑 Miracle Cell							
Miracle Cell	_			_			
Size(pixel) 0 D	ensity(%) 0	End Value(%) 🛛	Type Single	~			
Dot Size							
Shadows dot size(um)	0 High	lights dot size(um) (0					
Separation Setup							
Output	Separation	Dot Shape	Frequency	Ar	ngle		
	Cyan	FlexoRound 1	150.0	82	2.5		
	Magenta	FlexoRound 1	150.0	52	2.5		
	Yellow	FlexoRound 1	150.0	7.	5		
	Black	FlexoRound 1	150.0	22	2.5		
							_
Spot Color	Custom			~	Edit	Setup	)
Calibration Curve	Default			•	Pre	view	)
Intended Press Curve	Default			~	Pre	view	)
Actual Press Curve	Press Dot Gain_4	10%		~	Pre	view	3
	6	🖌 ок 🔵 💽	👌 Cancel 🌖				

the end

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