

How to edit curves in EagleRIP Flexo

Calibration curve on plate

For letterpress or flexo printing, after washing plate, suppose the smallest dot on plate is 0.4%, the smallest dot on job file is 3%, so now we need to make a curve as following:

- 1. Click Tool Box from Settings, double click Curve Manager;
- 2. Select Calibration from Curve Type options:

| 📕 EagleRIP | | | | | | - 🗆 × |
|---------------------------|--------------------|-----------------------|-------------|--------------------------|-------------|--------------|
| Action Property Prefere | nces Help | | | | | |
| 20 | 8 | | | | | EagleRIP Fle |
| Settings G | Tool Box | Help | | | | |
| Setup | | | Т | ool Setting | | |
| Template Manager | Options | Curve Manager | GTTT PPD | Spot Color Tool | Install ICC | |
| Device Manager | E Curve Mana | jer | | | | |
| | Curve Type Name | oration 💽 Device List | riff 💌 D | evice Name Resolution | | Color Mo |
| Input Manager | | | | | | |
| Tool Box | | | | | | |
| Print Jup Name, Dut Shape | | Add 🤇 | Edit | ReGalibration | C 🗶 Del | 🕜 Close |

- 3. Click Add button to create a new curve, input the curve name and select the 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. Then click OK to exit the setting.
- 4. You also can specify other control point to calibrate the plate.

FOUNder

| Calibration Help | | | | | | | |
|------------------|-----------------|--------------------|---------------|------------|---------------|---------------|----------------|
| | | J. | 0 |) | 70 | 64.8 | |
| Resolution | | | 1 3 | } | 80 | 75.2 | |
| 5080.0*5080.0 💌 | | ~ | 3 7 | .2 | 95 | 92.8 | |
| X 5,080 | | | 10 1 | 2.2 | 100 | 100 | |
| Y 5,080 | / | × | 15 1 | 5.6 | $\overline{}$ | | |
| . (| | | 20 1 | 9 | | | |
| | 8 8 B | | 30 2 | ?7 | | | |
| Misc | ş ^{or} | | 50 4 | 5.5 | $\overline{}$ | (| |
| Negative False 💌 | х | Y | | | | | |
| | Separation | Cyan | ~ | Cun | /e Name | 5080-150-0.4- | 3 |
| | Add) | C to Del | Copy |) C | Reset) | 🖆 Load | Load 3.0 Curve |
| | 🗹 All Curves U | se the Same Data 🗹 | Flexo Curve 💽 | Direct Ci | urve 🧯 | 🛃 Save As | 🕞 🧐 Test |
| Cancel | | | | | | | |

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

| RIP Setup | | | | × | | | |
|--|-----------------|---------------------|-----------------|---------------|--|--|--|
| Screen RIP Color Management Mark Misc Help | | | | | | | |
| Resolution 5080.0*5 | 080.0 | ~ | Color Mode | СМҮК 💌 КСМҮ 💌 | | | |
| X 5,080₽ Y 5,080₽ | | Pixel Bits | Halftone 💌 | | | | |
| Override frequency in job | | | Halftone Levels | 256 | | | |
| 🗹 Override angles ir | n job 🗹 Precisi | 😑 Zone Screen First | | | | | |
| Miracle Cell | | | | | | | |
| Miracle Cell | | | | | | | |
| Size(pixel) 0 D | ensity(%) 0 | End Value(%) 0 | Type Single | | | | |
| Dot Size | | | | | | | |
| Shadows dot size(um) | 0 Highlig | phts dot size(um) 🛛 | | | | | |
| 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 | | | |
| C CK Cancel | | | | | | | |

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FOUNder

Actual Press Curve for dot gain on press machine

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

| EagleRIP | | | | |
|----------------------------------|-------------------------------|--|---|--------------------------|
| Action Property Preferences Help | | | | |
| 🜌 🖻 🧕 📐 | | | | |
| Settings Queues | Tool Box Help | | | |
| Setup | E Curve Manager | | | |
| | Curve Type Press Curv | ve 💌 Device List TIFF 💌 Dev | vice Name 🗍 | |
| | Name | | Resolution | |
| | Plate_33.4% | 5 | 080.0x5080.0 | |
| Template Manager | Add | | | × |
| | Press Curve Help | | = 95% (97.9 = 98% (99.1 | ⊠ 100% 100 |
| Device Manager | | | 😑 80% 91.3 📄 85% 93.7 | 90% 95.9 |
| | Curve Name Press Dot Gain_40% | participation of the second se | 😑 65% (82.5 🛛 😑 70% (85.8 | = 75% 88.7 |
| | Resolution | / | 🗹 50% 70 🛛 😑 55% 74.7 | 60% (78.8 |
| | | | 😑 35% (52.5) 😑 40% (58.8) | = 45% 64.7 |
| Input Manager | Resolution 5080.0*5080.0 | | 📃 20% (31.3) 📒 25% (38.7) | = 30% (45.8 |
| | X (5,080 | | 😑 5% (7.9 📄 10% (15.9 | = 15% 23.7 |
| | Y 5,080€ | | 0% 0 🛛 🗖 1% 1.5 | 3% (4.7 |
| | | Separation Cyan | ~ | |
| Tool Box | | Reset | E Del 🛁 Save As | Cad 🗋 |
| | | 🗹 All Curves Use 1 | the Same Data | |
| End mile. 2010/12/07 10.33.10 | | 💽 🛫 OK 🔵 🥥 Can | cel | |

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

| RIP Setup | | | | | × | | | |
|--|-------------------------|-------------------------|-------------|-------|------------|--|--|--|
| Screen RIP Color Management Mark Misc Help | | | | | | | | |
| Resolution 5080.0*5 | 080.0 | v | Color Mode | CMY | KCMY 💌 | | | |
| × 5,080⊜ Y 5,080⊜ | | Pixel Bits | Halft | one 💌 | | | | |
| 🗹 Override frequenc | erride dot shape in job | Halftone Levels | 256 | | | | | |
| 🗹 Override angles in job 🛛 🕅 Precision Screening 🗧 Zone Screen First | | | | | | | | |
| 📃 Miracle Cell | | | | | | | | |
| -Miracle Cell- | | | | | | | | |
| | ensity(%) O | End Value(%) 0 | Type Single | ~ | | | | |
| Dot Size | | | | | | | | |
| Shadows dot size(um) | O Hig | phlights dot size(um) 🛛 | | | | | | |
| Separation Setup | | | | | | | | |
| Output | Separation | Dot Shape | Frequency | Ar | ngle | | | |
| | Cyan | FlexoRound 1 | 150.0 | | 2.5 | | | |
| | Magenta | FlexoRound 1 | 150.0 | | 2.5 | | | |
| | Yellow | FlexoRound 1 | 150.0 | 7. | | | | |
| | Black | FlexoRound 1 | 150.0 | 22 | 2.5 | | | |
| Spot Color | Custom | | | ~ | Edit Setup | | | |
| | | | | | | | | |
| Calibration Curve | Default | | | × | Preview | | | |
| Intended Press Curve | Default | | | ~ | Preview | | | |
| Actual Press Curve Press Dot Gain_40% | | | | • | Preview | | | |
| Cancel | | | | | | | | |

the end

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