

Kimosetter 525 RIP Installation Guide

1. Installation

1.1 Installation of Kimosetter RIP

Before you begin the installation, plug the encryption dongle provided with the Kimosetter RIP software kit into the USB port of your computer, and connect the Kimosetter 525 while the power is off.

Then insert the Kimosetter RIP installation CD into the CD-ROM, follow the steps below to perform:

1.1.1 The installer runs automatically. The window shown as in the following figure appears. Click **Setup** to start.



Figure 1-1

1.1.2 If the installer does not run automatically, you can run it manually by double-clicking on the file **setup.exe** in the **Installation** folder on the CD. The Welcome window appears as shown in Figure 1-2.

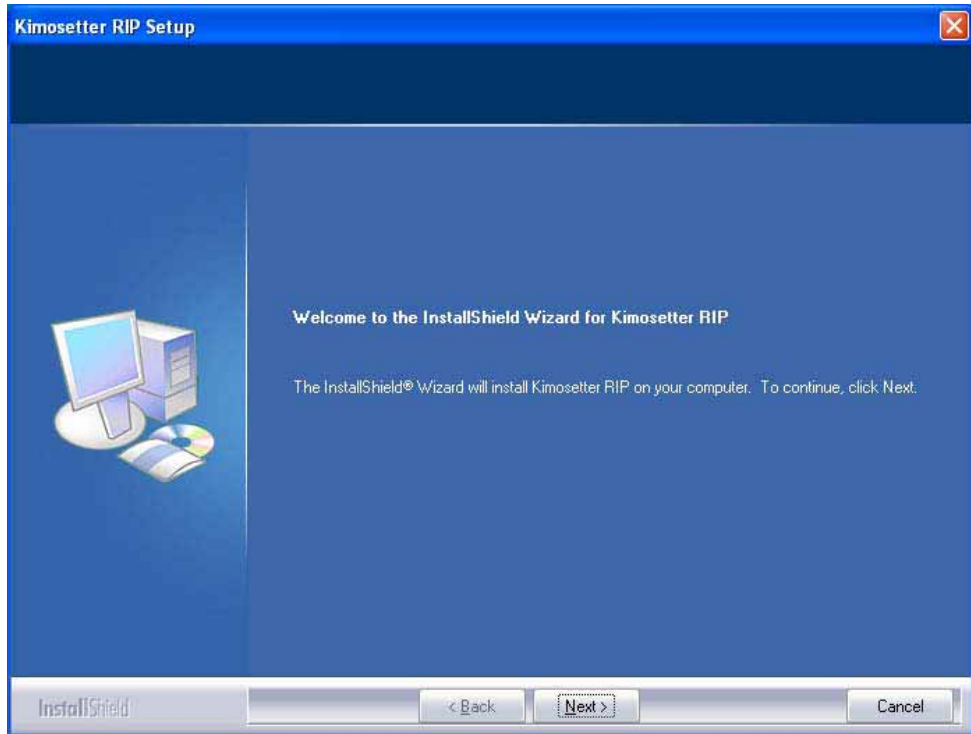


Figure 1-2

1.1.3 Click **Next** to continue. The **License Agreement** window appears. If you accept all the terms of the agreement, click **Yes** to continue. Otherwise, click **Back** to return to the previous window, or click **No** to exit installation.

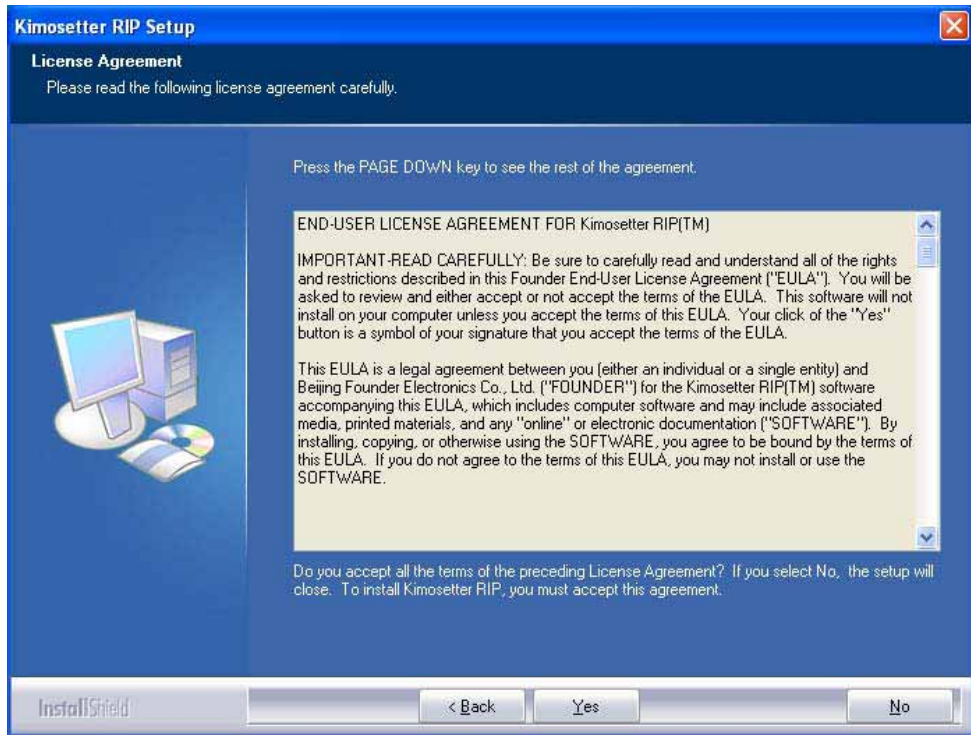


Figure 1-3

1.1.4 If you click **Yes**, the next window prompts you to specify the destination drive and folder where you want to install the Kimosetter RIP application. The installer provides you with a default destination location. **It is recommended that don't change the default destination.**

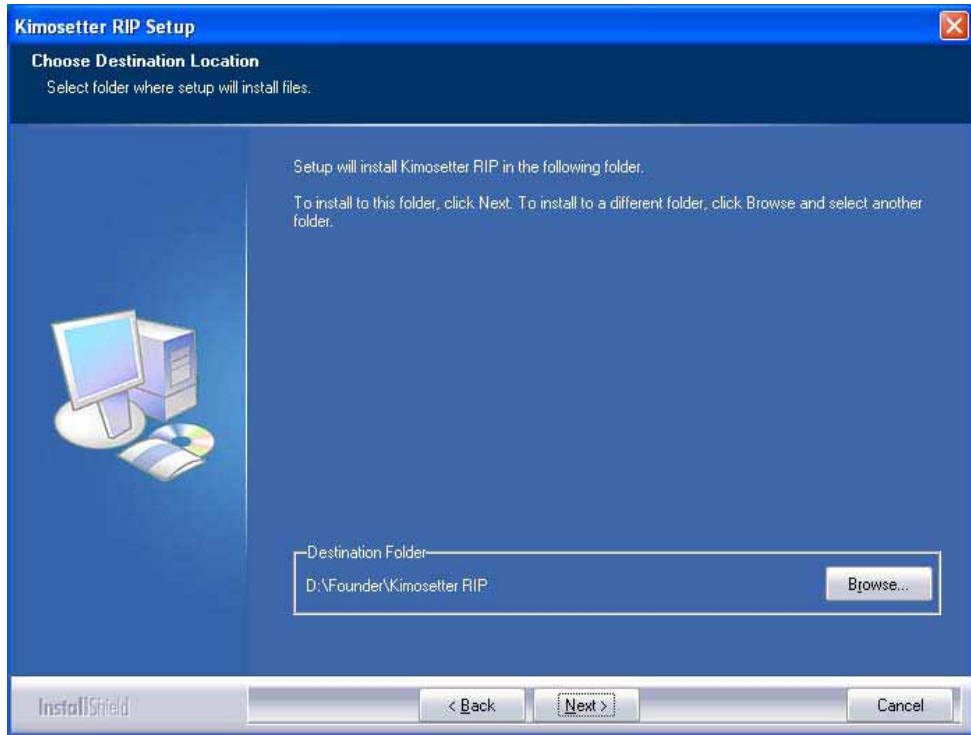


Figure 1-4

1.1.5 Click **Next** when the destination drive and folder has been selected. The **Select Program Folder** window (shown in Figure1-5) appears. You can use the default folder, or you may enter a name in the **Program Folder** box, or you may click on an existing name in the **Existing Folders** box. And click **Next**.

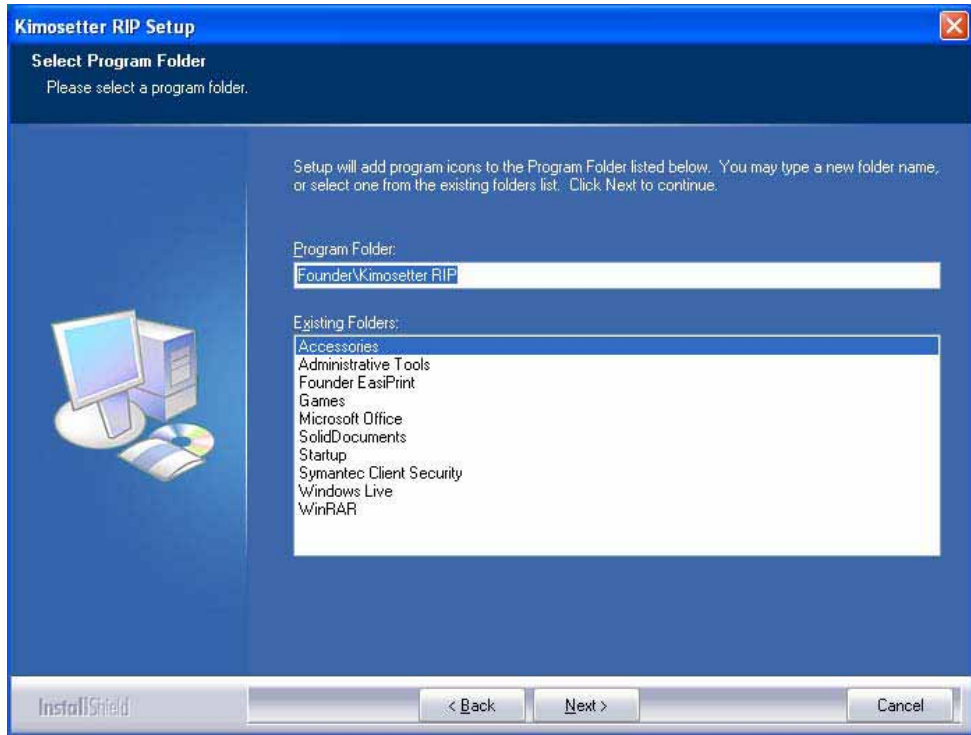


Figure 1-5

1.1.6 The **Install Device Driver** window appears. Check the **Kimosetter 525** box and click **Next**.

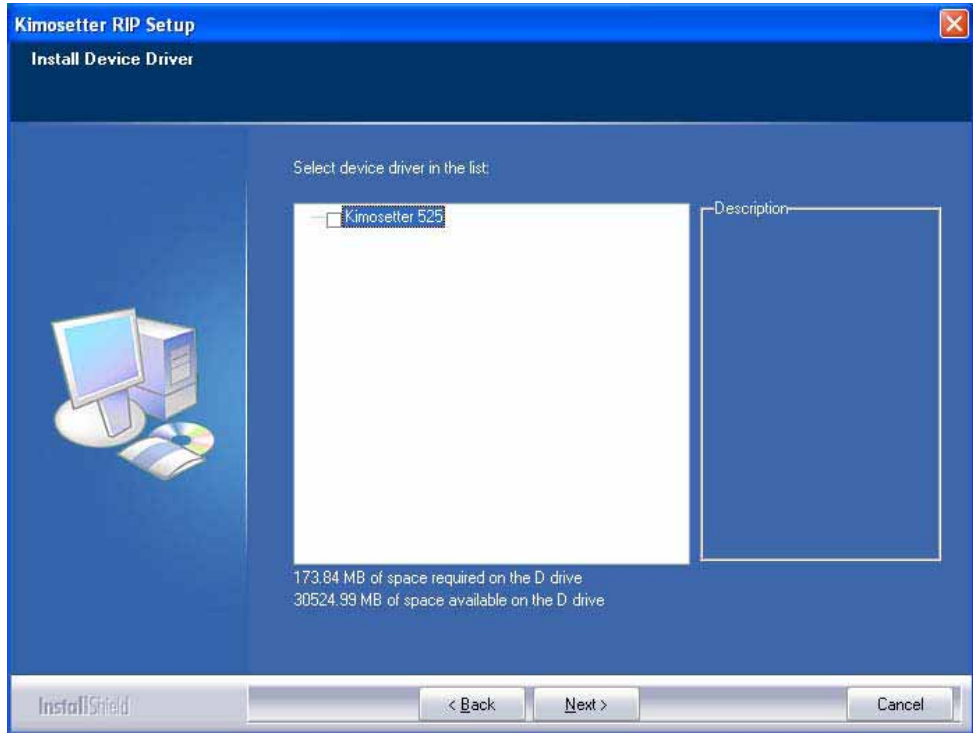


Figure 1-6

1.1.7 The progress window will show the progress of the installation.

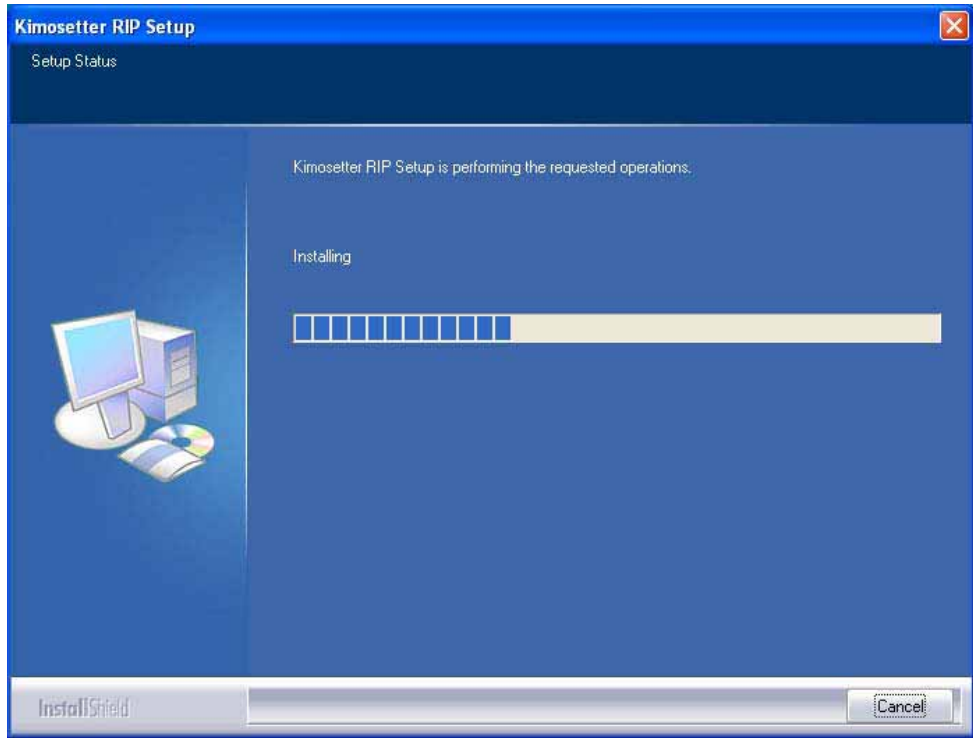


Figure 1-7

1.1.8 When the progress bar reaches 100%, the installer will display successively the opened readme.txt file and the program folder window, see the following two figures. The procedures are different depending on RIP version. It may start to install upgrade program.

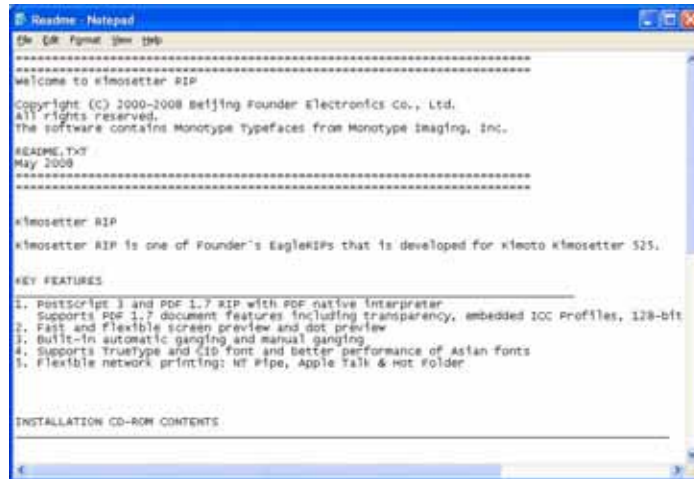


Figure 1-8

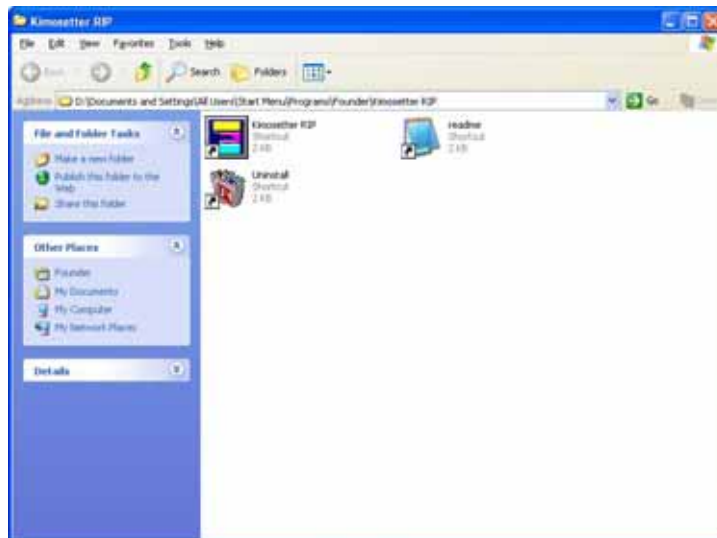


Figure 1-9

1.1.9 Close them, and the **InstallShield Wizard Complete** window appears.

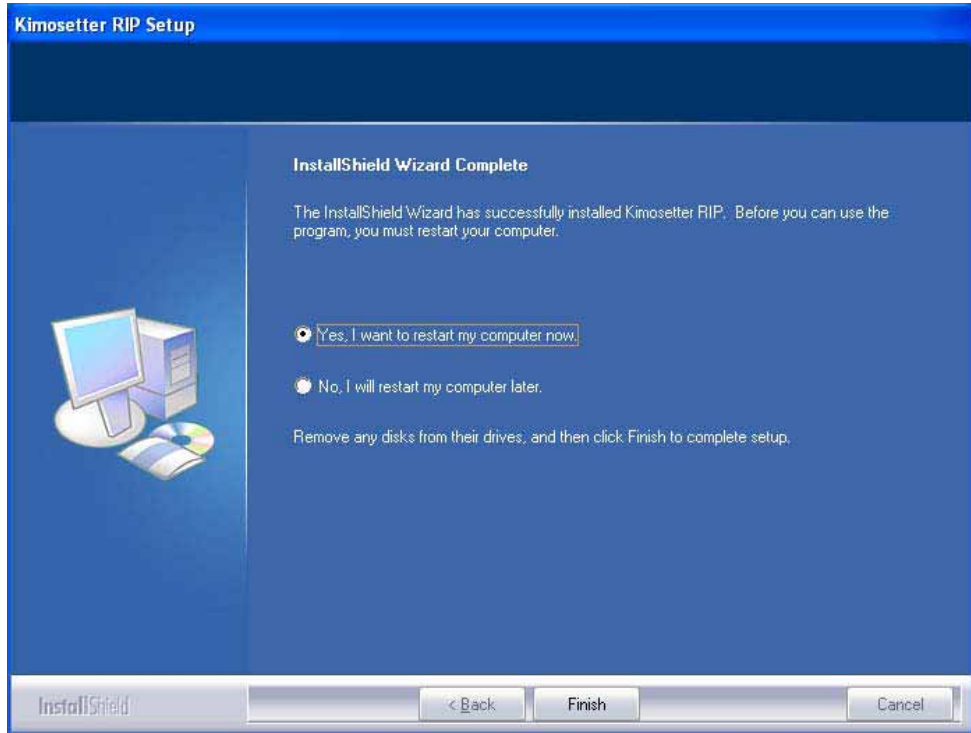



Figure 1-9

1.1.10 Please determine whether to restart your computer right now or not. And then click Finish to complete the installation.

Note: Before you can use the program, you must restart your computer.

When the installation is successfully completed, a shortcut icon of Kimosetter RIP  will be displayed on desktop.

1.2 Installation of USB driver

Turn on the Kimosetter 525 if it is ready. After initialization is finished, please execute CD-ROM\Drivers\FKmtg\DriverInst.exe to install the USB driver.

1.3 Installation of prepared files

Before starting the Kimosetter RIP, calibration curves, standard press curves and prepared template files should be copied manually.

1.3.1 Copy **CD-ROM\curve** folder to **C:\Founder\Kimosetter RIP\Config\FKmtG** to install the calibration curves for each screen rulings.

If you already have a **curve** folder under **FKmtG** folder, copy all files under **CD-ROM\curve** to the existing **curve** folder.

1.3.2 Copy **CD-ROM\Dotgain** folder to **C:\Founder\Kimosetter RIP\Config\FKmtG** to install the standard press curves.

If you have already a **Dotgain** folder under **FKmtG** folder, copy all files under **Dotgain** folder to the existing **Dotgain** folder.

1.3.3 Copy **CD-ROM\inch\template** folder for inch, or **CD-ROM\metric\template** folder for metric to **C:\Founder\Kimosetter RIP\Config\FKmtG** to install the prepared templates.

If you have already a **template** folder under **FKmtG** folder, copy all files under inch or metric **template** folder to the existing **template** folder.

2. Template management

Start up Kimosetter RIP and click the template manager icon from settings tab. If you have successfully installed the template files, you can find the several prepared templates.

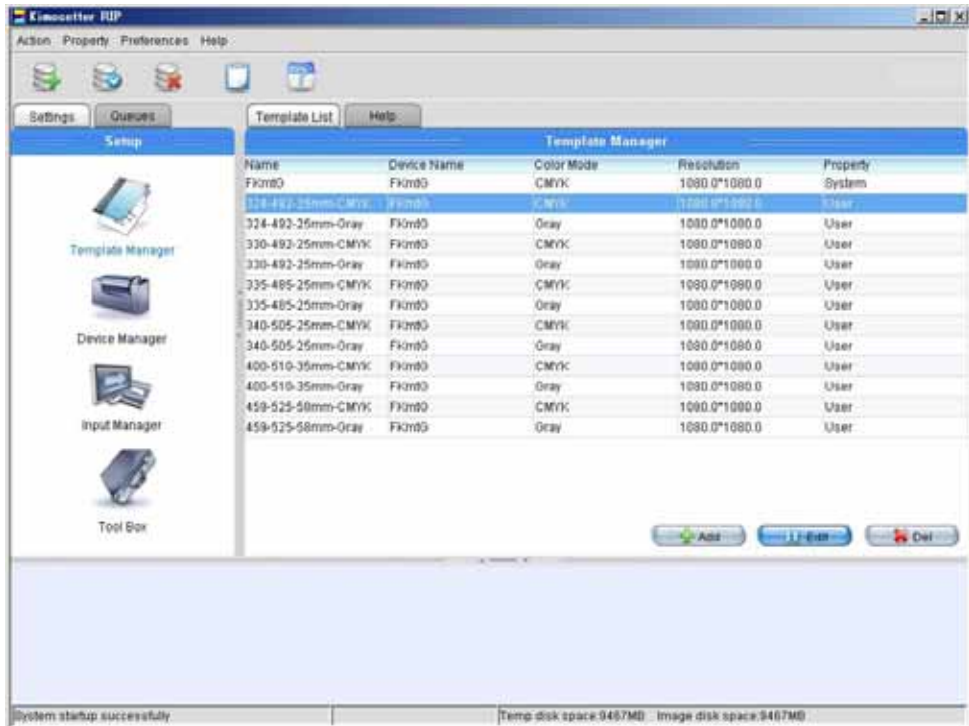


Figure 2-1

2.1 Prepared templates

Prepared template names represent the following parameters.

[plate width]-[plate length]-[distance from leading edge]-[color mode]

The other major options of these templates have been set as below;

[RIP setup]-[Screen]

Halftone levels: 1024

Screen dot shape: Round

Screen frequency: 100 lpi

Enable spot color: **unchecked, spot color will be automatically separated into process colors.**

Calibration curve: 100L-CMYK/100L-Gray

Actual Press curve: Ze-standard

[RIP setup]-[RIP]

Image quality: Fine

Shading quality: Best

Rotation: None

[Device setup]-[Advanced]

Quality: Normal

NOTE: The calibration curve for 100L and standard press curve are applied to all prepared templates. If you change the screen frequency or color mode of these templates, please don't forget to change to the appropriate calibration curve as well.

Please refer Kimosetter RIP User Guide to get more details and other parameters.

2.2 Creating user template

When creating a new template, you need to first select a base template in the template list, and click the Add button. The set of options of the selected template will be entirely copied to the new template. So it is recommended that you first select a prepared template to create a new template.

2.3 Curve management

When creating a new template or changing the color mode and screen frequency, please apply the appropriate curve following the steps below.

A calibration curve for each screen frequency and color mode is provided. When this curve is applied, output density on the plate will be linear. Please remember to select a suitable calibration curve for each frequency, or an unexpected density will be output.

2.2.1 Create a new template or open existing template, select a color mode from color mode list box. In this case Gray is selected as an example.

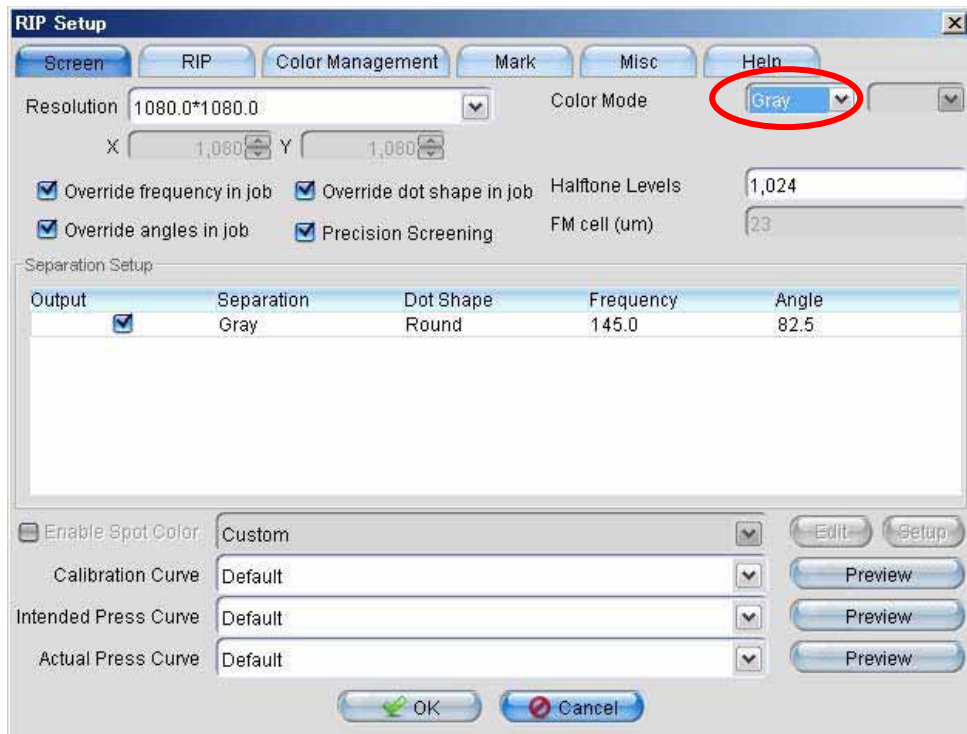


Figure 2-2

2.2.2 Select a Screen frequency from separation setup box. In this case 145L is selected.

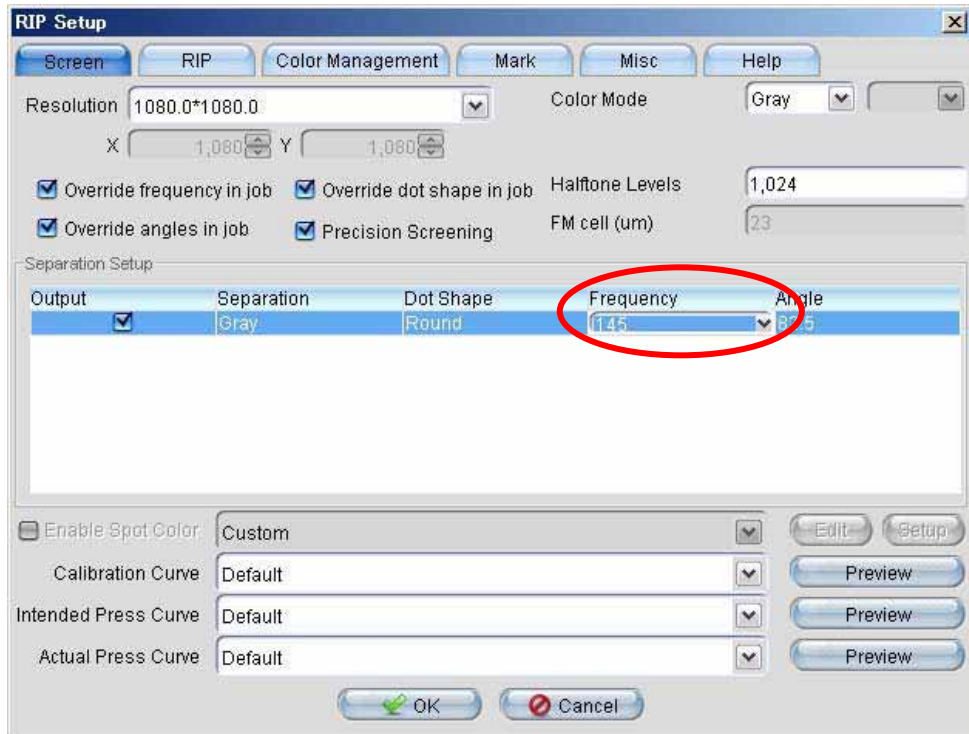


Figure 2-3

2.2.3 Select a calibration curve suitable for screen frequency from calibration curve list box. In this case 145L-Gray should be selected. The calibration curves can be used with all print heads and don't need to be revised if a new print head is fitted.

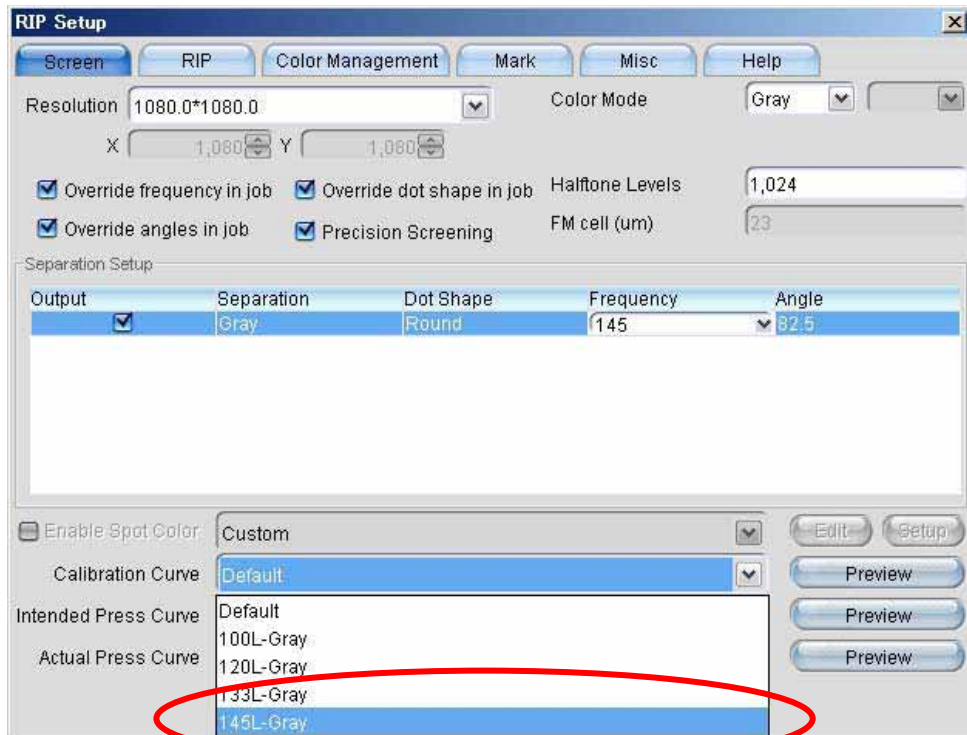


Figure 2-4

2.2.4 Select a Standard press curve from the Actual press curve list box. In this case Ze-standard should be selected. A Standard press curve is common for all screen frequencies.

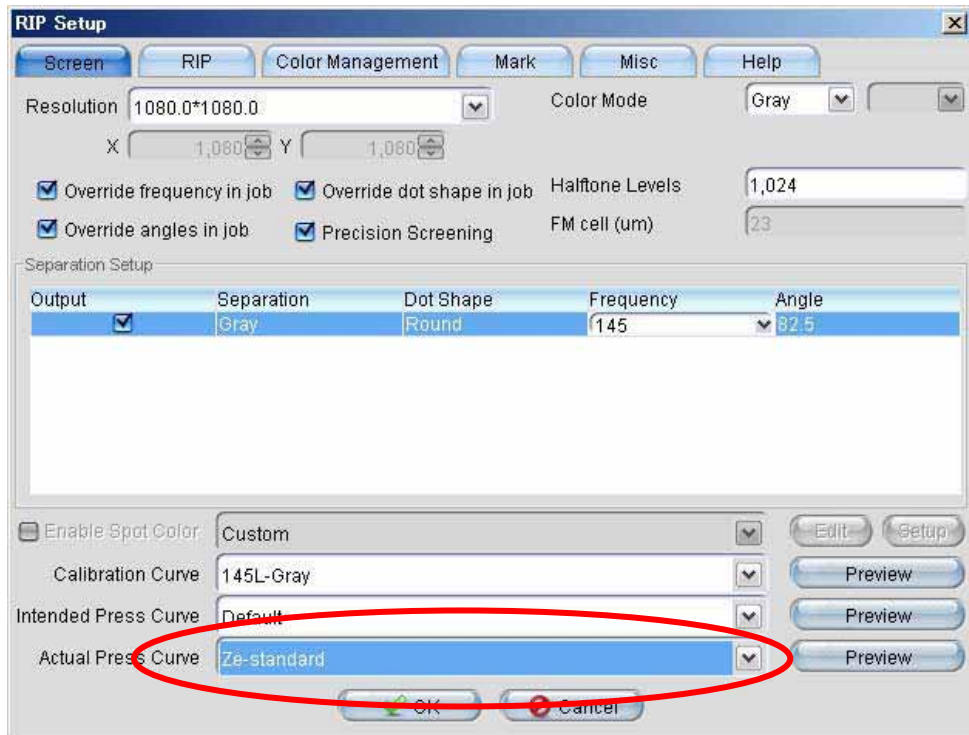


Figure 2-5

2.2.5 Click OK to save the RIP setup settings. This combination of the Calibration Curve and the Standard Press Curve supplied by Kimoto is expected to provide suitable results in most cases.

2.2.7 Due to the differing press conditions, the printers may want the above results slightly lighter or darker. For this purpose, variations of the Standard Press Curve have been supplied. They are:

- a. Ze-standard-lighter
- b. Ze-standard-darker

3. How to create custom press curves

If the supplied Standard press curves and calibration curves described above do not provide the result you expected, then you will need to create a set of 2 press curves for your press; an **Actual** Press Curve and an **Intended** Press Curve.

To create these curves you need a reflection densitometer as a measuring device.

3.1 Creating an Actual Press Curve for Your Press

Once the calibration curve is selected the "Press Curve" for your press, in a particular condition, can be produced. It is important to note that the curve will relate to the condition of the press, the inks, the paper, the printing densities and all other variables in the press room. Once you have standardised your printing environment then the production of a press curve for your press will help produce the best printed results.

3.1.1 Produce a test plate using the calibration curve for your Kimosetter 525 and print the plate using your standard printing conditions.

3.1.2 Read the dot values of the printed copy and enter them into a press curve that has been appropriately named. The result will look something like the image below. Measurements vary depending on paper quality. In this case a Coated paper is used.

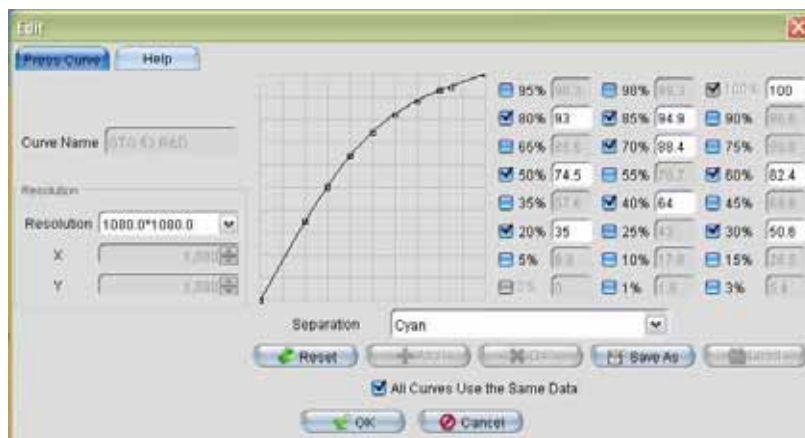


Figure 3-1



Figure 3-2

3.2 Creating an “Intended” press curve to match the standard dot gain curve or the dot gain curve of your old system

The Intended press curve is a target dot gain curve. You can create a dot gain curve by entering the dot gain values that are generally accepted in the printing industry, or you can measure the dot gain of your old (or current) system to match your particular press conditions.

3.2.1 Intended press curve as a standardized dot gain curve

3.2.1.1 Open the curve manager and add a new press curve. In the vales of 40% and 80% respectively enter 55% and 90%. The standard dot gain for **Coated** paper is 15 % +/- 3% for 40% and 10% +/- 2% for 80%.

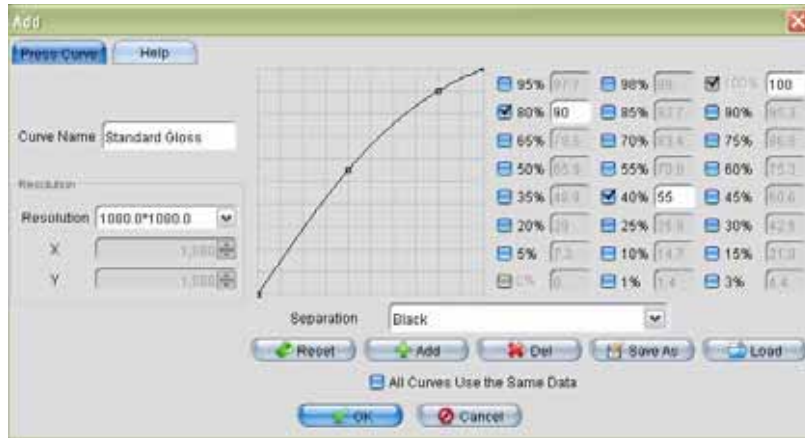


Figure 3-3

3.2.1.2 The curve can be saved and then used in a RIP set up as an "Intended Press Curve" along with the calibration curve and the "Actual Press Curve", as in the example below.



Figure 3-4

3.2.1.3 Using this combination of curves when you print a test file you should measure the desired standard dot values in the corresponding sample areas.

3.3 Intended press curve to match the dot gain curve of your old system

Often when printers replace their plate making equipment they wish to match their old equipment output for repeat work. They may use this setting for only some jobs, as it may not be as pleasing as the new CtP system for most jobs. To match your old system, please follow the steps below:

3.3.1 Produce your test job using your old plate making equipment and print the job using your normal pressroom conditions that you wish to match. Use the same paper as you used when creating Actual Press Curve. In this case, coated paper.

3.3.2 Measure the result in the 40% and 80% patches and enter these into a new press curve.

3.3.3 Save the press curve with an appropriate name and then you may use this curve as the "Intended Press Curve" for jobs that you wish to match to earlier printing tasks. The RIP set up will look like the example below.



Figure 3-5



4/38 Dacre Street
Mitchell ACT 2911
Australia

Ph +61 2 6242 4427
Fax +61 2 6242 5986
www.grafkalinks.com.au