TECH SUPPORT

How to Recalibrate

Color Tuner & Flex Pack

When to recalibrate

When the color output on a proofer drifts, it is time to recalibrate. Sometimes, this is a visual assessment, but more often than not, failed certification results is how you know when to recalibrate.

When this time has come, perform a nozzle check and any necessary cleanings to ensure it is not the printer hardware causing the color shift. Once you have ensured the printer hardware is functioning properly, follow one of the two steps outlined in the following sections.

How to use this document

Section 1 explains the standard recalibration procedure recommended for majority of users. This involves following a wizard based procedure that is very simple to follow.

Performing a standard calibration will lock the interface during the wizard so only the recalibration can be performed. No other settings or queues can be modified during this time. If the watched folders are setup to process jobs automatically to other printers, that function will continue to process.

Section 2 is only for advanced users. This method allows a user to recalibrate outside of the standard wizard. This involves many extra steps to setup but will not lock down the application interface during a recalibration. This is useful if individual job settings or queue settings need to be adjusted for other printers during the recalibration.

This process is only recommended if you absolutely must continue production on other printers during the down-time caused by a standard recalibration and you need to access individual job settings via the main interface. The process is slightly different depending on type of printer and spectroproofer, so make sure to follow the instructions appropriate for your workflow.
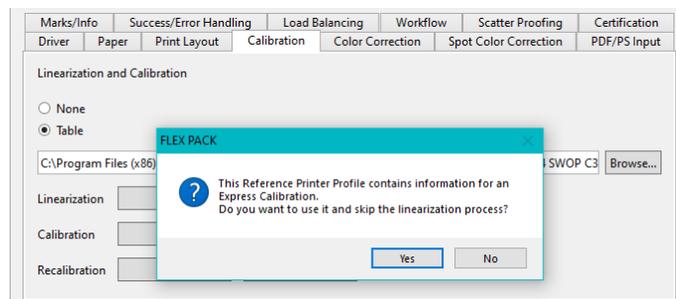
Section 1:

How to recalibrate through print queue wizard

1. Select the queue you need to recalibrate, go into the settings, and select the Calibration tab.

2. Click Start next to Recalibration.
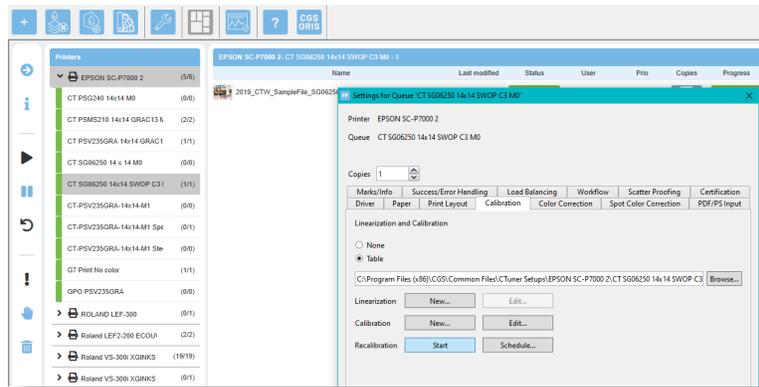
3. If prompted to use an Express Calibration, say Yes.

4. Click Next to begin the Wizard.

5. If using an Inline SpectroProofer, you will be prompted to select the Stop Criteria. Accept the defaults, then click Next.
If using an Offline SpectroProofer, you may be asked to confirm the Measurement Device proprerties. Do so, then click Next.

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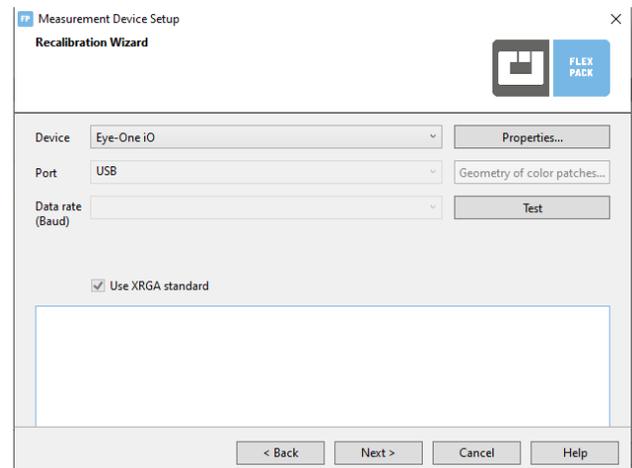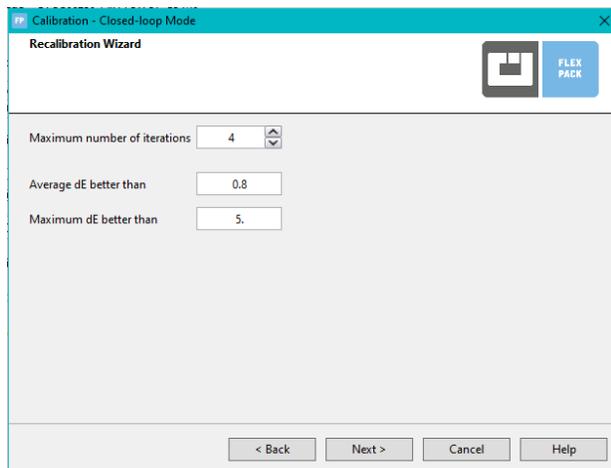
6. **If using an Inline SpectroProofer**, the system will print, measure, and optimize the results until the Stop Criteria is reached. Once complete, click **Finish** to complete the Recalibration Wizard.
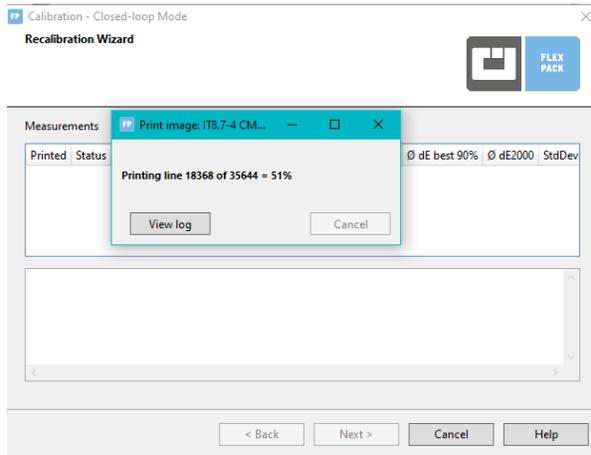
If using an Offline SpectroProofer, the system will print the chart. Then, enable "I want to measure the test chart…" and follow the on-screen prompts to measure and optimize the results. Once it reaches an acceptable tolerance, enable "I am satisfied with the results…" and click Finish to complete the Recalibration Wizard.
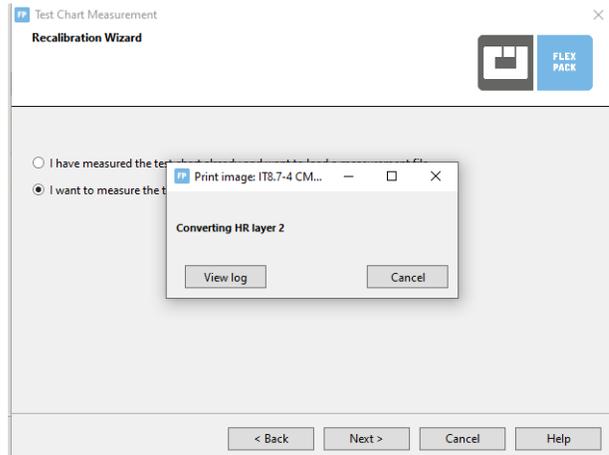
Your queue should now be recalibrated. If you still experience color shifts or failed certification, please call CGS Technical Support for additional guidance at 612-455-8900 or email help@cgsusa.com.

Section 2:

How to recalibrate outside of standard wizard

100 N 6th Street, Suite 242A, Minneapolis, MN 55403 | 612-455-8900 | www.cgsusa.com | support@cgsusa.com | Recalibration_v4   Page, 6

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Setting up the Shortcut

1. Select the queue you need to recalibrate, go into the settings, and select the Calibration tab.

2. Open File Explorer and browse to the path listed in the Calibration tab. Typical file location will look something like this:
C:\Program Files (x86)\CGS\Common Files\CTuner Setups\EPSON SC-P7000 2\CT PSV235GRA 14x14 GRAC13 M1\Pcf

3. Right-click on the file and select Create Shortcut. Move this shortcut to the desktop.

4. Right-click on the shortcut and click Rename. Change the name to match the Printer & Queue. If multiple queues share this calibration, name it appropriately.

5. Click OK.

Performing the Recalibration - inline spectroproofer

1. Double click the shortcut on the desktop to open the Calibration.

2. Click Discard measurements. Click OK to confirm.

3. Click Start. The system will print the test chart.
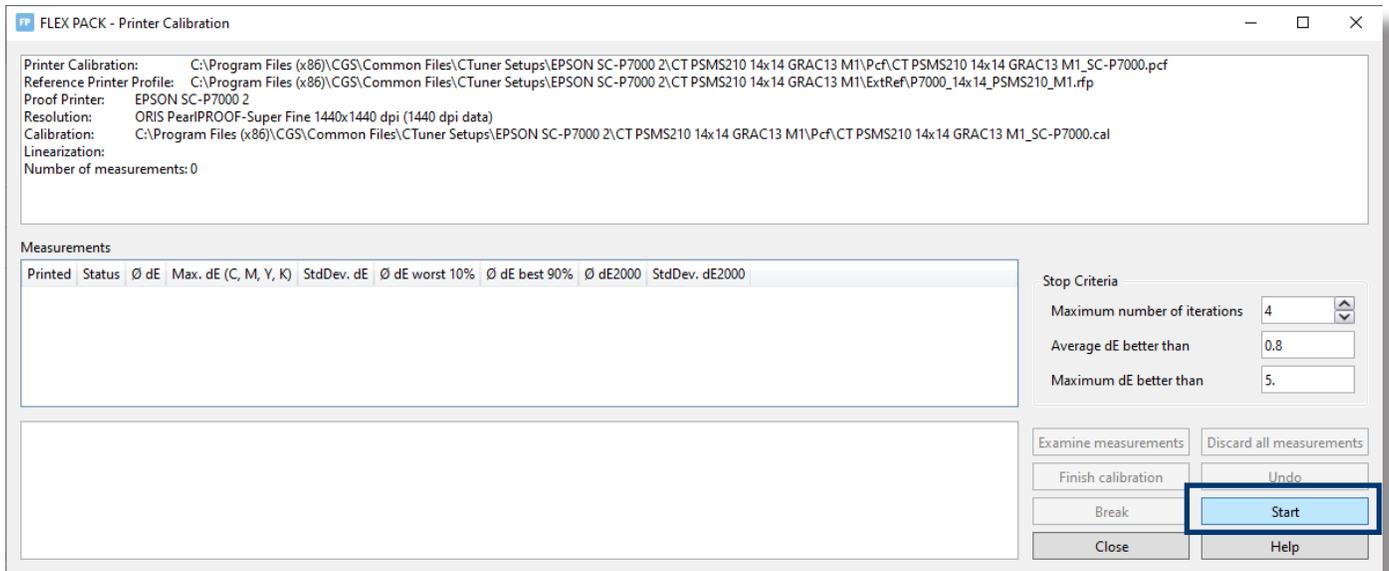
The system will automatically print, measure, and optimize the test chart. It will go through multiple iterations, if necessary, until it reaches the stop criteria. Once the stop criteria is reached, these windows will close automatically. This means your calibration is complete. To double check the results, double click on the desktop short-cut again to view the results.

Performing the Recalibration – offline spectroproofer

1. Double click the shortcut on the desktop to open the Calibration.
2. Click Discard all measurements. Click OK to confirm.
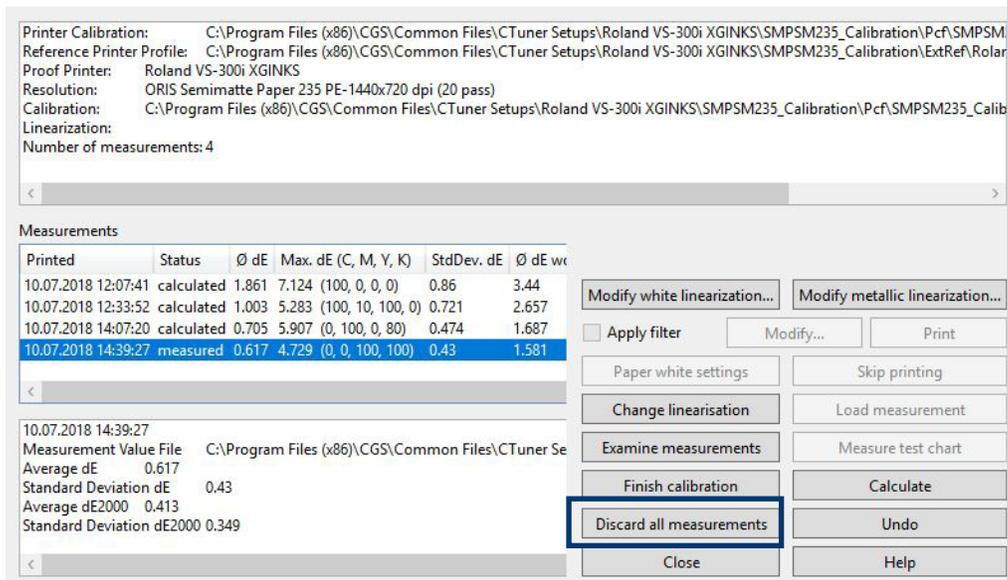
3. Click Print then retrieve the printed test chart from the device.

Printer Calibration: C:\Program Files (x86)\CGS\Common Files\CTuner Setups\Roland VS-300i XGINKS\SMPSM235_Calibration\Pcf\SMPSM
Reference Printer Profile: C:\Program Files (x86)\CGS\Common Files\CTuner Setups\Roland VS-300i XGINKS\SMPSM235_Calibration\ExtRef\Rolan
Proof Printer: Roland VS-300i XGINKS
Resolution: ORIS Semimatte Paper 235 PE-1440x720 dpi (20 pass)
Calibration: C:\Program Files (x86)\CGS\Common Files\CTuner Setups\Roland VS-300i XGINKS\SMPSM235_Calibration\Pcf\SMPSM235_Calib
Linearization:
Number of measurements: 0

4. Click Measure Test chart. Confirm the measurement device properties and reference file are configured properly.
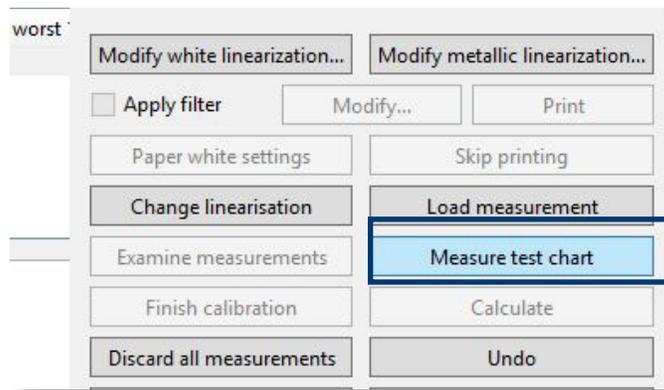
5. Follow the on-screen prompts to measure the test chart.

6. When measurement is complete, click Next.

7. Evaluate the results. The goal is to have an average dE of less than .8 and a Max dE of less than 5. If your results are not below those values, click Calculate to optimize the results. If they are low enough, skip to step 9.

8. Repeat steps 3 -7 to print, measure, and optimize the test chart until you reach the desired dE values.

9. Click Close to exit out of the calibration window. Your calibration is now complete.

If you still experience color shifts or failed certification, please call CGS Technical Support for additional guidance at 612-455-8900 or email help@cgsusa.com.