Fiery Verify

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Contents

Fiery Verify 2.20

Fiery Verify displays the verification results of your color measurement against a color reference.

Results are calculated from the color reference, the sample measurement, and the tolerance set.

Fiery Verify allows you to edit tolerance sets for the purpose of comparison.

Fiery Verify supported measurement instruments

Fiery Verify requires a measurement instrument for functions that require measurement of printed output. Fiery Verify supports the measurement instruments listed below.

Supported measurement instruments

- The following measurement instruments are supported for the measure reference workflow and measure sample workflow:
  - EFI ES-6000
  - EFI ES-3000
  - EFI ES-2000
  - Barbieri Spectropad (with USB connection only)
  - Barbieri Spectro LFP
  - Barbieri Spectro LFP qb
  - Barbieri Spectro Swing
  - Canon iPRC10000VP Series Inline
  - Konica Minolta FD-9
  - Konica Minolta FD-5BT
  - Konica Minolta IQ-501
  - X-Rite i1iSis 2 XL
  - X-Rite i1iSis 2
  - X-Rite i1iSis XL
  - X-Rite i1iSis
  - X-Rite i1iO 3
  - X-Rite i1iO 2
  - X-Rite i1iO

  - X-Rite i1Pro 3
  - X-Rite i1Pro 2
  - X-Rite i1Pro
  - X-Rite i1Pro 3+
  - Xerox iGen Inline Spectrophotometer
  - Xerox Full Width Array
- The following measurement instruments are supported for the patch measurment workflow:
  - EFI ES-3000
  - EFI ES-2000
  - X-Rite i1Pro 3
  - X-Rite i1Pro 2
  - X-Rite i1Pro
  - X-Rite i1Pro 3+
  - Konica Minolta FD-5BT
  - Konica Minolta Myiro

For more information, see Measure a patch page to use as a reference on page 9, Measure a sample file on page 9, and Patch measurement on page 8.

Compare a sample against a color reference

Load sample and reference files to compare them using a tolerance set.

Note: Fiery Verify supports .icc, .txt, and .it8 file extensions.

Note: The sample and reference files must contain valid CGATS data.

1. Optional: Click **File** > **New comparison** to start a new comparison.
2. Click **Comparison** > **Load Reference**.

   Note: The G7 Grayscale tolerance set does not require a color reference file.
3. Select a file, and then click **Open**.
4. Click **Comparison** > **Load Sample**.
5. Select a file, and then click **Open**.
6. Select the appropriate **Tolerance set** for your color workflow.
7. Optional: Click **Report** to save a detailed report in PDF format.

   Note: The ΔE column will not display when a G7 Grayscale tolerance set or a G7 Targeted tolerance set is selected.

Create or edit a tolerance set in Fiery Verify

Create or edit a tolerance set to specify the criteria used for comparison by Fiery Verify.

Know the acceptable variation limits for your color workflow including:

- ΔE formula
- General ΔE limits
- Primary color ΔE limits
- Hue difference ΔH limits
- Tone value difference tolerance limits
- Chromaticness difference ΔCh limits
- NPDC ΔL limits
- Spot color ΔE limits

Note: Limits define the acceptable tolerance ranges that are calculated for each criterion.

1. Click **Edit** > **Tolerance Set Editor**.
2. Click  .
3. Select a **ΔE formula**.
4. Use the check boxes to select the **Tolerance criteria** you want.
5. Enter a **Limit** for each criteria selected.
6. Select either **Warn** or **Fail** to choose how each criterion will indicate when a measurement exceeds the limit you specify.
   - **Warn** is informative only and will still allow the comparison to pass.
   - **Fail** will cause the entire comparison to fail.
7. Click **Save**.

Save sample measurements

Save the measurement sample made as part of the verification process as a .it8 file.

Measurement samples are saved as .it8 files.

Save a measurement sample for use as a reference, or for comparison.

1. In Fiery Verify, click **Comparison** > **Save Sample**.
2. Navigate to the location where you want to save the report.
3. Type a file name, and click **Save**.

Save sample as reference

Save a measurement sample for use as a color reference in the verification preset editor.

1 In Fiery Verify, click **Comparison** > **Save Sample as Reference**.

2 Type a file name, and click **Save**.

Load reference

Load a reference file into Fiery Verify to compare it to a measurement sample.

Note: Fiery Verify supports .icc, .txt, and .it8 file extensions.

Note: The reference file must contain valid CGATS data.

1 In Fiery Verify, click **Comparison** > **Load Reference**.

2 Select a file, and then click **Open**.

Load sample

Load a sample file into Fiery Verify to compare it to a reference.

Note: Fiery Verify supports .icc, .txt, and .it8 file extensions.

Note: The sample file must contain valid CGATS data.

1 In Fiery Verify, click **Comparison** > **Load Sample**.

2 Select a file, and then click **Open**.

Patch measurement

You can compare newly measured color patches to printed color patches.

Make sure your supported handheld measurement instrument is connected to your computer.

1 To compare printed color patches, do one of the following:

- Click **File** > **New comparison**.
- Load measurements from a color reference file or a sample file.

2 Click **Comparison** > **Start patch measurement**.

3 Follow the on-screen calibration instructions to calibrate your measurement instrument.

4 Click **Measurement mode** to select your preferred measurement mode.

5 Click **Calibrate**.

6 Click a row in the **Reference** or **Sample** to place your color measurement.

7 Place the measurement instrument over the color patch you want to measure.

8 Scan the color patch with the measurement instrument.

Fiery Verify automatically compares the measured patch values to the values listed under the **Reference** or **Sample** columns and display the results.

9 Click **Stop measurement** after all patches have been measured.

Measure a patch page to use as a reference

You can measure a patch page to use as a color reference file in Fiery Verify.

A pre-printed patch page is required.

Note: Fiery Verify saves the measurement as an .it8 file.

1 In Fiery Verify, click **Comparison** > **Measure reference**.

Fiery Verify uses FieryMeasure to measure sample color patches.

2 Select your measurement instrument from the **Instrument** list.

Optionally, click **Settings** to set options for the measurement instrument.

3 Select the type of measurement, or to import a patch layout from a file, select **Import** and select the file.

4 Select the appropriate page layout for the measurement instrument.

5 Select the chart size from the **Chart size** list that corresponds to paper appropriate for your workflow and loaded in the printer.

6 Click **Measure**.

7 Follow the on-screen instructions to calibrate your measurement instrument.

8 Follow the on-screen instructions to measure the patch layout page.

Measure a sample file

You can measure a patch page to use as a sample file in Fiery Verify.

A pre-printed patch page is required.

Note: Fiery Verify saves the measurement as an .it8 file.

1 In Fiery Verify, click **Comparison** > **Measure sample**.

Fiery Verify uses FieryMeasure to measure sample color patches.

2 Select your measurement instrument from the **Instrument** list.

Optionally, click **Settings** to set options for the measurement instrument.

3 Select the type of measurement, or to import a patch layout from a file, select **Import** and select the file.

4 Select the appropriate page layout for the measurement instrument.

5 Select the chart size from the **Chart size** list that corresponds to paper appropriate for your workflow and loaded in the printer.

6 Click **Measure**.

7 Follow the on-screen instructions to calibrate your measurement instrument.

8 Follow the on-screen instructions to measure the patch layout page.

Save Report

Save the details of the verification comparison as a PDF file.

1 In Fiery Verify, do one of the following:

- Click **File** > **Export to PDF** > **Report**.
- Click  .

2 Navigate to the location where you want to save the report.

3 Click **Save**.

Note: The ΔE column will not display when a G7 Grayscale tolerance set or a G7 Grayscale Targeted tolerance set is selected.

Create a verification label

You can save the details of a verification comparison as a label in a PDF file.

1 Click the **Label** icon after completing a verification in Fiery Verify.

A label is created as a PDF file and opens in your default PDF viewer.

2 Print or save the PDF file.

Note: The G7 Grayscale tolerance set does not require a color reference file.